
1.0 INTRODUCTION

WS Atkins were commissioned by Warrington Borough Council on behalf of a group of authorities and organisations to investigate and report on the feasibility of restoring the St Helens Canal to navigation throughout its length from Spike Island, Widnes to the various feeder branches in St Helens.

The Feasibility Study Report is contained within six volumes:

Volume 1	Main Technical Report
Volume 2	Technical Appendix - Structures
Volume 3	Technical Appendix - Geotechnics
Volume 4	Technical Appendix - Planning and Ecology
Volume 5	Technical Appendix - Restoration Proposals Drawings
Volume 6	Executive Summary

This volume, Technical Appendix - Structures, presents the following information:

- Inspection Reports on all structures along the line of the canal, within Halton and Warrington Boroughs only
- Report on a survey of the canal banks along the full length of the canal (all Boroughs)
- Repair schedules for all structures along the length of the canal which do not inhibit navigation and which would remain after restoration (all Boroughs)
- Description of proposals for the replacement/reconstruction of existing structures which would inhibit navigation, with estimated construction costs (all Boroughs)
- Maintenance regimes and estimated maintenance costs for all structures, existing and proposed, along the length of the canal (all Boroughs)
- Summary of all statutory and non-statutory services crossing or in close proximity to the canal route (all Boroughs)

-
- Description of proposals for the diversion of services where they would inhibit navigation of the canal, with estimated construction costs (all Boroughs)
 - Summary of all the existing structures crossing the canal identifying ownership, whether the structure would impede navigation and, where required, the proposed replacement

All structures have been allocated a reference number in accordance with the system contained in the "Guide to the Sankey Canal Towpath" published by the Sankey Canal Restoration Society. The location of all main structures is indicated on the 1:10,000 scale plans appended to this document with chainages based on zero chainage at Widnes.

The term "canal authority" has been used as meaning the owner or other organisation with responsibility for the maintenance of the canal and its associated structures.