

## APPENDIX 1

# Summary Table of Structures

Structure Name	Chainage (m)	Structure Ref	Navigation Impeded?	Owner	Proposal
Temporary Bridge	24,390	A7A	Yes	St Helens Renaissance	N/A
Liverpool - Wigan Railway Embankment	24,530	A7	Yes	Railtrack	Replace with new reinforced box culvert
Weir in Canal	24,275	A10	Yes	Pilkingtons	Demolish to allow navigation
Hardshaw Brook Culvert and Canal Overflow	24,130	A13	No	Canal	Structure to be maintained by canal authority
Railway Embankment	23,930	A16	Yes	Railtrack	Replace with new reinforced box culvert
Parr Street Dual Carriageway	23,800	A19	Yes	Highway Authority	Provide new reinforced concrete box culvert
Corporation Street Bridge	23,580	B1	No	Highway Authority	Structure to be maintained by highway authority
Technology Campus Access	23,220	B11	Yes	Highway Authority	Provide new reinforced concrete box culvert
Ravenhead Glass Access	22,825	B17	Yes	Ravenhead Glass	Provide new reinforced concrete box culvert
New Double Lock	22,750	B19	No	Canal	Structure to be maintained by canal authority
Pipe Bridge	22,660	B19A	No	BOC Pipes	Structure to be maintained by BOC pipes
Gerrards Bridge Branch Liverpool-Wigan Railway Bridge	GB-350	B23	No	Railtrack	Structure to be maintained by Railtrack
Steel Footbridge	22,580	B26A	Yes	St Helens MBC	Modify existing structure by raising abutments whilst containing superstructure
Merton Bank Road Bridge	22,425	B26	Yes	Highway Authority	Replace with new reinforced concrete box culvert
Canal Overflow	21,472	C4	Yes	Canal/NRA	Structure to be maintained by NRA.
Park Road Lock					New Lock

Structure Name	Chainage (m)	Structure Ref	Navigation Impeded?	Owner	Proposal
Park Road					New reinforced concrete box culvert
Boardmans Lane					New reinforced concrete box culvert
Old Double Lock/New Junction Lock	20,695	C11	Yes	Canal	New lock to be constructed next to existing which will be retained as an historical feature
Double Lock Footbridge	20,700	C12	No	Canal	Structure to be maintained by canal authority
Black Brook Branch Steel Footbridge	BB-80	C13	Yes	St Helens MBC	Branch to be maintained as feeder canal. Maintain
A58 Blackbrook Bridge	BB-500	C14	Yes	Highway Authority	Maintain
Concrete Pipe Bridge (disused)	20,395	D7	Yes	Not known	Demolish to allow navigation
Former Black Brook Culvert (disused)			No	Canal/St Helens MBC	Replace/refurbish
Sankey Brook/Canal Footbridge	19,995	D15	Yes	St Helens MBC	Demolish to allow navigation
Engine Lock	19,795	D18	Yes	Canal	Existing lock is infilled and will be rebuilt
A572 Penkford Bridge	17,675	E12	Yes (marginally)	Highway Authority	Structure to be maintained by highway authority
Overhead Pipework	17,670	E14	Yes	North West Water	Utilities to be diverted to allow navigation
Overflow Weir to Sankey Brook	17,655	E15	No	Canal	Structure to be maintained by canal authority
Newton Common Lock	17,225	F4	Yes	Canal	Existing lock is infilled and will be rebuilt
Sankey Viaduct	16,875	F5	No	Railtrack	Structures to be maintained by Railtrack
Bradley Lock	16,375	G1	No	Canal	Lock to be maintained by canal authority

Structure Name	Chainage (m)	Structure Ref	Navigation Impeded?	Owner	Proposal
Bradley Swing Bridge	16,075	G3	Yes	Canal	Replace with new swing bridge
Hey Lock	15,185	G10	Yes	Canal	Existing lock is infilled and will be rebuilt
Newton Brook Crossing	14,635	G17	Yes	NRA	Replace with new reinforced concrete box culvert
Alder Lane Bridge	14,115	H5	No	Highway Authority	Structure to be maintained by Highway Authority
Winwick Lock	12,950	H12	Yes	Canal	Existing lock is infilled and will be rebuilt
Hulme Lock	12,645	J3	Yes	Canal	Lock to be rebuilt in new location south of Sankey Brook
Footbridge A	11,875	J12	No	Warrington BC	New canal alignment no longer passes under this existing structure
Cromwell Avenue Bridge	11,815	J13	No	Highway Authority	New canal alignment no longer passes under this existing structure
Footbridge B	11,715	J15	No	Warrington BC	New canal alignment no longer passes under this existing structure
Footbridge C	11,165	J16	No	Warrington BC	New canal alignment no longer passes under this existing structure
Footbridge over Sluice	10,575	K1	No	Canal	Structure to be maintained by Canal Authority
Canal Overflow	10,465	K3	No	Canal	Structure to be maintained by Canal Authority
Bewsey Lock	10,460	K4	No	Canal	Existing lock to be maintained by canal authority
Bewsey Lock Footbridge	10,460	K4A	Yes	Canal	Demolish existing bridge and provide new footbridge south of lock

Structure Name	Chainage (m)	Structure Ref	Navigation Impeded?	Owner	Proposal
Bewsey Footbridge	10,280	K6A	Yes	Warrington BC	Demolish existing bridge to allow navigation
Bewsey Swing Bridge	10,275	K6	Yes	Warrington BC	Replace with new swing bridge
Seven Arches Railway Viaduct	9,805	K10	No	Railtrack	Structures to be maintained by Railtrack
High level Footbridge	9,555	K11	No	Warrington BC	Structure to be maintained by Warrington BC
Sankey Way Culvert	8,855	K13	Yes	Highway Authority	Replace with new reinforced concrete box culvert
Sankey Valley Footbridge	8,605	K15	No	Warrington BC	Structure to be maintained by Warrington BC
Liverpool Road Bridge	8,155	L1	Yes	Highway Authority	Replace with new swing bridge
Disused Swing Bridge	8,140	L2	Yes	Canal	Remove and re-use as new superstructure at Bradley Swing Bridge
Warrington-Widnes Railway Bridge	8,035	L3	Yes	Railtrack	Replace with new reinforced concrete box culvert
Service Bridge	8,040	L3A	Yes	Not known	Divert utilities to allow navigation
Sankey Lock	7,965	L5	-	Canal	Existing lock no longer in use
Sankey Brook Overflow	7,955	L6	No	Canal	Structure to be maintained by canal authority
Mayers Swing Bridge	7,775	L7	Yes	Canal	Replace with new lift bridge
Whittle Brook Culvert	6,975	L8	No	Canal/Warrington BC	Culvert to be maintained by owner
Penketh Bridge	6,355	L9	Yes	Canal	Existing left bridge to be modified and maintained by canal authority
Penketh Brook Culvert			No	Canal/Warrington BC	Maintained by owner

Summary Table of Structures Sheet 4 of 5

Structure Name	Chainage (m)	Structure Ref	Navigation Impeded?	Owner	Proposal
Fiddlers Ferry Swing Bridge	5,835	L11	Yes	Highway Authority	Replace with new swing bridge
Swing Footbridge	5,620	L18	No	Canal	Structure to be maintained by canal authority
Ferry Lock	5,485	L22A	No	Canal	Structure to be maintained by canal authority
Ferry Lock Swing Bridge	5,480	L22	No	Canal	Structure to be maintained by canal authority
Marsh House Bridge	5,310	L24	Yes	Highway Authority	Replace with new swing bridge
Powergen Causeway	4,760	M2	Yes	Powergen	Divert slurry pipes and demolish causeway
Powergen Lagoon Bridge	3,880	M8	No	Powergen	Structure to be maintained by Powergen
Concrete Wall	3,580	M9	Yes	Powergen	Demolish wall to allow navigation
Johnsons Lane Culvert	3,100	M12	Yes	Halton BC	Replace with inverted syphon structure
Canal Overflow	2,230	M17	No	Canal	Structure to be maintained by canal authority
Carter House Swing Bridge	1,770	M18	Yes	Canal	Replace with new steel lift bridge
Bowers Brook Culvert	1,050	N1	No	Halton BC	Culvert to be maintained by owner
Spike Island Bridge	600	N2	Yes	Canal	Replace with new steel lift bridge
Widnes Lock	0	N3	No	Canal	Existing lock maintained by canal authority

## **APPENDIX 2**

# **Structures Location Plans**