

APPENDIX E1

**Detailed Costs for Construction of New Canal Link and
Restoration of Grantham Canal (A52 at Gamston to
Cotgrave)**

INTENTIONALLY BLANK

Option 1b (incorporating Sub-Option 1d) and Sub-Option 1c using former colliery water supply main

Notional cost is **£20,367,894**

NEW CANAL WORKS

Item Reference	Item description	Start chainage	End chainage	quantity	Rate	Extension
NEW CANAL CUT AND MAJOR STRUCTURES						
C1	New channel from existing canal to new Lock D	0	59	59	£800	£47,200
C1 eo sc	extra over for shallow cutting (tow path 500mm to 1500mm below existing ground level)	0	16	16	£95	£1,520
C1 eo le	extra over for low embankment (tow path 500mm to 1500mm above existing ground level)	21	42	21	-£35	-£735
C1 eo me	extra over for moderate embankment (tow path 1500mm to 2500mm above existing ground level)	42	59	17	-£25	-£425
C1 lining	Butyl canal lining and geotextiles	0	59	59	£150	£8,850
NL-D 2.2	New broad beam Lock D nominal depth 2.2 n/a	n/a		1	£600,000	£600,000
NL-D 2.2 eo me	extra over for moderate embankment (tow path 1500mm to 2500mm above existing ground level)	59	97	38	-£25	-£950
C2	New channel from new Lock D to new Lock C	97	690	593	£800	£474,400
C2 eo me	extra over for moderate embankment (tow path 1500mm to 2500mm above existing ground level)	97	101	4	-£25	-£100
C2 eo le	extra over for low embankment (tow path 500mm to 1500mm above existing ground level)	101	105	4	-£35	-£140
C2 eo le	extra over for low embankment (tow path 500mm to 1500mm above existing ground level)	138	203	65	-£35	-£2,275
C2 eo me	extra over for moderate embankment (tow path 1500mm to 2500mm above existing ground level)	203	236	33	-£25	-£825
C2 eo le	extra over for low embankment (tow path 500mm to 1500mm above existing ground level)	236	304	68	-£35	-£2,380
C2 eo me	extra over for moderate embankment (tow path 1500mm to 2500mm above existing ground level)	304	415	111	-£25	-£2,775
C2 eo le	extra over for low embankment (tow path 500mm to 1500mm above existing ground level)	415	427	12	-£35	-£420
C2 eo me	extra over for moderate embankment (tow path 1500mm to 2500mm above existing ground level)	427	450	23	-£25	-£575
C2 eo le	extra over for low embankment (tow path 500mm to 1500mm above existing ground level)	450	518	68	-£35	-£2,380
C2 eo me	extra over for moderate embankment (tow path 1500mm to 2500mm above existing ground level)	518	560	42	-£25	-£1,050
C2 eo le	extra over for low embankment (tow path 500mm to 1500mm above existing ground level)	560	575	15	-£35	-£525
C2 eo me	extra over for moderate embankment (tow path 1500mm to 2500mm above existing ground level)	575	690	115	-£25	-£2,875
C2 lining	Butyl canal lining and geotextiles	97	690	593	£150	£88,950
NL-C 2.2	New broad beam Lock C nominal depth 2.2 n/a	n/a		1	£600,000	£600,000
NL-C 2.2 eo me	extra over for moderate embankment (tow path 1500mm to 2500mm above existing ground level)	690	728	38	-£25	-£950
C3	New channel from new Lock C to new Lock B	728	1110	382	£800	£305,600
C3 eo me	extra over for moderate embankment (tow path 1500mm to 2500mm above existing ground level)	728	732	4	-£25	-£100
C3 eo le	extra over for low embankment (tow path 500mm to 1500mm above existing ground level)	732	734	2	-£35	-£70
C3 eo sc	extra over for shallow cutting (tow path 500mm to 1500mm below existing ground level)	798	836	38	£95	£3,610
C3 eo sc	extra over for shallow cutting (tow path 500mm to 1500mm below existing ground level)	1047	1110	63	£95	£5,985
C3 eo sc bw	bridleway extra over for shallow cutting (tow path 500mm to 1500mm below existing ground level)	798	836	38	£15	£570
C3 eo sc bw	bridleway extra over for shallow cutting (tow path 500mm to 1500mm below existing ground level)	1047	1110	63	£15	£945
C3 lining	Butyl canal lining and geotextiles	728	1110	382	£150	£57,300
NL-B 2.2	New broad beam Lock B nominal depth 2.2 n/a	n/a		1	£600,000	£600,000
NL-B 2.2 eo sc	extra over for shallow cutting (tow path 500mm to 1500mm below existing ground level)	1110	1146	36	£95	£3,420
NL-B 2.2 eo sc bw	bridleway extra over for shallow cutting (tow path 500mm to 1500mm below existing ground level)	1110	1146	36	£15	£540
C4	New channel from Lock B to A52 bridge	1146	1264	118	£800	£94,400

C4 eo dc	extra over for deep cutting (tow path deeper than 2500mm below existing ground level)	1146	1210	64	£340	£21,760
C4 eo mc	extra over for moderate cutting (tow path 1500mm to 2500mm below existing ground level)	1210	1264	54	£210	£11,340
C4 eo dc bw	bridlewayextra over for deep cutting (tow path deeper than 2500mm below existing ground level)	1146	1210	64	£45	£2,880
C4 eo mc bw	bridleway extra over for moderate cutting (tow path 1500mm to 2500mm below existing ground level)	1210	1264	54	£30	£1,620
C4 lining	Butyl canal lining and geotextiles	1146	1264	118	£150	£17,700
B-DC	New A52 Road Bridge (dual carriageway)	n/a	n/a	1	£3,200,000	£3,200,000
C5	New channel from A52 bridge to Lock A	1316	2870	1554	£800	£1,243,200
C5 eo mc	extra over for moderate cutting (tow path 1500mm to 2500mm below existing ground level)	1316	1320	4	£210	£840
C5 eo sc	extra over for shallow cutting (tow path 500mm to 1500mm below existing ground level)	1320	1336	16	£95	£1,520
C5 eo mc	extra over for moderate cutting (tow path 1500mm to 2500mm below existing ground level)	1336	1520	184	£210	£38,640
C5 eo sc	extra over for shallow cutting (tow path 500mm to 1500mm below existing ground level)	1520	1700	180	£95	£17,100
C5 lining	Butyl canal lining and geotextiles	1316	2870	1554	£150	£233,100
NL-A 2.7	New broad beam lock nominal depth 2.7	n/a	n/a	1	£620,000	£620,000
C6	New channel from Lock A to River Trent	2908	3463	555	£800	£444,000
C6 eo mc	extra over for moderate cutting (tow path 1500mm to 2500mm below existing ground level)	2908	3290	382	£210	£80,220
C6 eo sc	extra over for shallow cutting (tow path 500mm to 1500mm below existing ground level)	3290	3463	173	£95	£16,435

OTHER STRUCTURES ALONG NEW CANAL CUT

C1 eo J	extra over for canal / canal junction	0	16	16	£800	£12,800
C1 eo J sc	extra over for canal / canal junction in shallow cutting	0	16	16	£95	£1,520
C1 NL-D eo M	extra over for moorings at locks	n/a	n/a	1	£5,000	£5,000
C2 NL-D eo M	extra over for moorings at locks	n/a	n/a	1	£5,000	£5,000
C2 NL-C eo M	extra over for moorings at locks	n/a	n/a	1	£5,000	£5,000
C3 NL-C eo M	extra over for moorings at locks	n/a	n/a	1	£5,000	£5,000
C3 NL-B eo M	extra over for moorings at locks	n/a	n/a	1	£5,000	£5,000
C4 NL-B eo M	extra over for moorings at locks	n/a	n/a	1	£5,000	£5,000
C5 NL-A eo M	extra over for moorings at locks	n/a	n/a	1	£5,000	£5,000
C6 NL-A eo PM	extra over for pontoon moorings at locks	n/a	n/a	1	£15,000	£15,000
SB1	Access track swing bridge - track east of Bassingfield	n/a	n/a	1	£67,500	£67,500
Dcul1	Ditch culvert	n/a	n/a	1	£6,000	£6,000
PBCC	Polser Brook / canal crossing	n/a	n/a	1	£50,000	£50,000
SB2	Access track swing bridge - Sandy Lane	n/a	n/a	1	£67,500	£67,500
B-SC HL	New Road Bridge at Holme Lane (single carriageway) low embankment no towpath	n/a	n/a	1	£270,000	£270,000
PBCJ	Polser Brook / canal junction	n/a	n/a	1	£5,000	£5,000

SERVICES ALONG NEW CANAL CUT (excluding those incorporated into new bridges)

FOCC	fibre optic cable crossing (protection only)	n/a	n/a	1	£5,000	£5,000
OPC	Oil pipeline crossing (to be diverted by lowering)	n/a	n/a	2	£90,000	£180,000
WMC	water main crossing (600mm dia.)	n/a	n/a	1	£500,000	£500,000

NEW CANAL WORKS SUB-TOTAL £10,039,415

Option 1b (incorporating Sub-Option 1d) and Sub-Option 1c using four back-pumps
Notional cost is £20,529,144

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C1 eo me	Butyl canal lining and geotextiles	0	59	59	£150	£8,850
C1 lining	New broad beam Lock D nominal depth 2.2 n/a	n/a		1	£600,000	£600,000
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C2 NL-C eo M	extra over for moorings at locks n/a	n/a		1	£5,000	£5,000
C3 NL-C eo M	extra over for moorings at locks n/a	n/a		1	£5,000	£5,000
C3 NL-B eo M	extra over for moorings at locks n/a	n/a		1	£5,000	£5,000
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C5 NL-A eo M	extra over for moorings at locks n/a	n/a		1	£5,000	£5,000
C6 NL-A eo PM	extra over for pontoon moorings at locks n/a	n/a		1	£15,000	£15,000
SB1	Access track swing bridge - track east of Basingfield n/a	n/a		1	£67,500	£67,500
Dcul1	Ditch culvert n/a	n/a		1	£6,000	£6,000
PBCC	Polser Brook / canal crossing n/a	n/a		1	£50,000	£50,000
SB2	Access track swing bridge - Sandy Lane n/a	n/a		1	£67,500	£67,500
B-SC HL	New Road Bridge at Holme Lane (single carriageway) low embankment no towpath n/a	n/a		1	£270,000	£270,000
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SERVICES ALONG NEW CANAL CUT (excluding those incorporated into new bridges)						
FOCC	fibre optic cable crossing (protection only) n/a	n/a		1	£5,000	£5,000
OPC	Oil pipeline crossing (to be diverted by lowering) n/a	n/a		2	£90,000	£180,000
WMC	water main crossing (600mm dia.) n/a	n/a		1	£500,000	£500,000

NEW CANAL WORKS SUB-TOTAL £10,039,415

