

Costs

Information - Culvert 20m of open watercourse and 15m of culvert beneath existing track.

	Task	Notes	Q25				Q50			Q100			Q200		
			quantity	unit	rate	Total	quantity	rate	Total	quantity	rate	Total	quantity	rate	Total
1	Site Clearance	Assumption			fixed	£5,000		fixed	£5,000		fixed	£5,000		fixed	£5,000
2	Excavation	Excavate existing watercourse to accommodate culvert.	20	m	£500	£10,000	20	£500	£10,000	20	£500	£10,000	20	£500	£10,000
3	Excavation	Excavate line of culvert under existing track	15	m	£500	£7,500	15	£500	£7,500	15	£500	£7,500	15	£500	£7,500
4	Disposal of existing culvert				fixed	£2,500		fixed	£2,500		fixed	£2,500		fixed	£2,500
5	Filling				fixed	£4,000		fixed	£4,000		fixed	£4,000		fixed	£4,000
6	Landscaping	200m2 @£5/m2	200	m2	£50	£10,000	200	£50	£10,000	200	£50	£10,000	200	£50	£10,000
7	Temporary diversion of watercourse	On line construction, fluming required			fixed	£2,000		fixed	£2,000		fixed	£2,000		fixed	£2,000
8	Trash screen	Assumption	2	nr	£2,000	£4,000	2	£2,000	£4,000	2	£2,000	£4,000	2	£2,000	£4,000
9	Bank protection works	Riprap, coir matting, etc.	20	m	£100	£2,000	20	£100	£2,000	20	£100	£2,000	20	£100	£2,000
10	Risk contingency for garage				fixed	£5,000		fixed	£5,000		fixed	£5,000		fixed	£5,000
11	Reinstate lane surface		15	m2	£100	£1,500	15	£100	£1,500	15	£100	£1,500	15	£100	£1,500
12	Precast concrete box culvert (1.6m x 1m)	20m of open watercourse	20	m	£2,000	£40,000	20	£2,000	£40,000	20	£2,000	£40,000	20	£2,000	£40,000
13	Precast concrete box culvert (1.6m x 1m)	15m under existing track, + appropriate strenghtening	15	m	£2,000	£30,000	15	£2,000	£30,000	15	£2,000	£30,000	15	£2,000	£30,000
Sub Total						£123,500	£123,500			£123,500			£123,500		

Information - Channel widening over 250m length for 5-6m width (2,3,4m extra bed width)

	Task	Notes	quantity	unit	rate	Total	quantity	rate	Total	quantity	rate	Total	quantity	rate	Total
1	Site Clearance	Assumption	1,500	m2	£5	£7,500	1,750	£5	£8,750	2,000	£5	£10,000	2,000	£5	£10,000
2	Excavation		1,500	m3	£8	£12,000	1,750	£8	£14,000	2,000	£8	£16,000	2,000	£8	£16,000
3	Trimming		2,000	m2	£3	£6,000	2,000	£3	£6,000	2,000	£3	£6,000	2,000	£3	£6,000
4	Import of clay		150	m3	£25	£3,750	175	£25	£4,375	200	£25	£5,000	225	£25	£5,625
5	Disposal				fixed	£15,000		fixed	£17,500		fixed	£20,000		fixed	£20,000
6	Dwarf wall and handrailing		250	m	£75	£18,750	250	£100	£25,000	250	£125	£31,250	250	£150	£37,500
7	Reinstatement	Reinstatement of path on RHB	375	m3	£20	£7,500	375	£20	£7,500	375	£20	£7,500	375	£20	£7,500
8	Landscaping	incl. in-channel works	625	m2	£15	£9,375	625	£15	£9,375	625	£15	£9,375	625	£15	£9,375
9	Bank Protection		500	m2	£20	£10,000	500	£20	£10,000	500	£20	£10,000	500	£20	£10,000
Sub Total						£89,875	£102,500			£115,125			£122,000		

Information - Culvert Outfall to Sea Cut

	Task	Notes	quantity	unit	rate	Total	quantity	rate	Total	quantity	rate	Total	quantity	rate	Total
1	Site Clearance	Assumption		m2			200	£5	£1,000	200	£5	£1,000	200	£5	£1,000
2	Excavation	Excavate existing watercourse to accommodate culvert.		m3			200	£8	£1,600	200	£8	£1,600	200	£8	£1,600
3	Disposal of existing culvert							fixed	£5,000		fixed	£5,000		fixed	£5,000
4	Filling			m3			100	£15	£1,500	100	£15	£1,000	100	£15	£1,000
5	Landscaping			m2			50	£50	£2,500	50	£50	£2,500	50	£50	£2,500
6	Temporary diversion of watercourse	On line construction, fluming required						fixed	£2,000		fixed	£2,000		fixed	£2,000
7	Trash screen	Assumption					1	£5,000	£5,000	1	£5,000	£5,000	1	£5,000	£5,000
8	Bank protection works	Riprap, coir matting, etc.		m			2	£500	£1,000	2	£500	£1,000	2	£500	£1,000
9	Precast concrete circular culvert 1.4m or 1.6m diameter	20m length		m			20	£1,750	£35,000	20	£2,000	£40,000	20	£2,000	£40,000
10	Steppped structure to Sea Cut	stepped structure for animal access e.g. otter		m			10	£1,500	£15,000	10	£1,500	£15,000	10	£1,500	£15,000
Sub Total						£0	£69,600			£74,100			£74,100		

Information - Flood embanking at CHU_00458 40m in length, 1m crest width, 0.1m/0.25m/0.7m high and 1 in 2 side slopes and crest top 1m wide

	Task	Notes	quantity	unit	rate	Total	quantity	rate	Total	quantity	rate	Total	quantity	rate	Total
1	Site Clearance	Assumption		m2			40	£5	£200	100	£5	£500	150	£5	£750
2	Excavation	Excavate area for foundation of bund		m3			15	£8	£120	20	£8	£160	45	£8	£360
3	Disposal	Excess and unsuitable material						fixed	£400		fixed	£1,000		fixed	£1,500
4	Trimming			m2			40	£3	£120	100	£3	£300	150	£3	£450
5	Fill	Imported clay		m3			40	£25	£1,000	70	£25	£1,750	160	£25	£4,000
6	Landscaping & Reinstatement	Grass seeding etc.		m2			40	£15	£600	100	£15	£1,500	150	£15	£2,250
Sub Total						£0			£2,440			£5,210			£9,310

Costs - Summary

Task	Notes													
Land Purchase	Assumption	2,000	m3	£50	£100,000	2,000	£50	£100,000	2,000	£50	£100,000	2,000	£50	£100,000
Site Investigation					£20,000			£20,000			£20,000			£20,000
Sub total					£213,375			£298,040			£317,935			£328,910
Contingency	50% of sub total	25	%	-	£53,344	25	-	£74,510	25	-	£79,484	25	-	£82,228
Site set-up, prelims, overheads, etc.	10% of sub total + 10k contingency				£31,338			£39,804			£41,794			£42,891
Total					£418,056			£532,354			£559,212			£574,029
Total £k					£418.06			£532.35			£559.21			£574.03