

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 - Flood bund approx 130m in length, 2m crest width, 0.4m high and 1 in 2 side slopes.

	Task	Notes	quantity	unit	rate	Total	quantity	rate	Total	quantity	rate	Total	quantity	rate	Total
1	Site Clearance	Assumption	800	m2	£5	£4,000	1,200	£5	£6,000	1,500	£5	£7,500	2,000	£5	£10,000
2	Excavation	Excavate area for foundation of bund	800	m3	£8	£6,400	1,200	£8	£9,600	1,500	£8	£12,000	2,000	£8	£16,000
3	Disposal	Excess and unsuitable material			fixed	£2,000.00		fixed	£2,000.00		fixed	£2,000.00		fixed	£2,000.00
4	Trimming		800	m2	£3	£2,400	1,200	£3	£3,600	1,500	£3	£4,500	2,000	£3	£6,000
5	Bank construction	Clay core	130	m3	£150	£19,500	130	£230	£29,900	130	£280	£36,400	130	£300	£39,000
6	Landscaping & Reinstatement	Grass seeding etc.	400	m2	£15	£6,000	475	£15	£7,125	550	£15	£8,250	625	£15	£9,375
Sub Total						£40,300	£58,225			£70,650			£82,375		

Information - Channel widening over 250m length for 2-3m width (1m extra bed width)

	Task	Notes	quantity	unit	rate	Total	quantity	rate	Total	quantity	rate	Total	quantity	rate	Total
1	Site Clearance	Assumption	750	m2	£5	£3,750	750	£5	£3,750	750	£5	£3,750	750	£5	£3,750
2	Excavation		750	m3	£8	£6,000	750	£8	£6,000	750	£8	£6,000	750	£8	£6,000
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	150	£25	£3,750	150	£25	£3,750	150	£25	£3,750
5	Disposal				fixed	£7,500		fixed	£7,500		fixed	£7,500		fixed	£7,500
6	Dwarf wall and handrailing		250	m	£75	£18,750	250	£75	£18,750	250	£75	£18,750	250	£75	£18,750
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						£72,625	£72,625			£72,625			£72,625		

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.

	Task	Notes	quantity	unit	rate	Total	quantity	rate	Total	quantity	rate	Total	quantity	rate	Total
1	Site Clearance	Assumption		m2			60	£5	£300	80	£5	£400	150	£5	£750
2	Excavation	Excavate area for foundation of bund		m3			15	£8	£120	25	£8	£200	50	£8	£400
3	Disposal	Excess and unsuitable material						fixed	£400		fixed	£1,000		fixed	£1,500
4	Trimming			m2			80	£3	£240	100	£3	£300	120	£3	£360
5	Fill	Clay core		m			40	£35	£1,400	40	£50	£2,000	40	£140	£5,600
6	Landscaping & Reinstatement	Grass seeding etc.		m2			80	£15	£1,200	100	£15	£1,500	120	£15	£1,800
Sub Total						£0	£3,660			£5,400			£10,410		

Costs - Summary

Task	Notes													
Land Purchase	Assumption	3,000	m3	£50	£150,000	3,000	£50	£150,000	3,000	£50	£150,000	3,000	£50	£150,000
Site Investigation					£20,000			£20,000			£20,000			£20,000
Sub total					£236,425			£258,010			£272,175			£288,910
Contingency	50% of sub total	25	%	-	£59,106	25	-	£64,503	25	-	£68,044	25	-	£72,228
Site set-up, prelims, overheads, etc.	10% of sub total + 10k contingency				£33,643			£35,801			£37,218			£38,891
Total					£499,174			£528,314			£547,436			£570,029
Total £k					499.17375			528.3135			547.43625			570.0285