

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, 1.1m 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 | 2,000 | m2 | £5 | £10,000 | 2,400 | £5 | £12,000 | 2,800 | £5 | £14,000 | 3,200 | £5 | £16,000 |
| 2 | Excavation | Excavate area for foundation of bund | 2,000 | m3 | £8 | £16,000 | 2,400 | £8 | £19,200 | 2,800 | £8 | £22,400 | 3,200 | £8 | £25,600 |
| 3 | Disposal | Excess and unsuitable material | | | fixed | £2,000 | | fixed | £2,000 | | fixed | £2,000 | | fixed | £2,000 |
| 4 | Trimming | | 2,000 | m2 | £3 | £6,000 | 2,400 | £3 | £7,200 | 2,800 | £3 | £8,400 | 3,200 | £3 | £9,600 |
| 5 | Bank construction | Clay core | 130 | m | £300 | £39,000 | 130 | 330 | £42,900 | 130 | 363 | £47,190 | 130 | 399 | £51,909 |
| 6 | Landscaping & Reinstatement | Grass seeding etc. | 625 | m2 | £15 | £9,375 | 650 | £15 | £9,750 | 675 | £15 | £10,125 | 700 | £15 | £10,500 |
| Sub Total | | | | | | £82,375 | | | | £93,050 | | | | £104,115 | £115,609 |

Information - Channel stabilisation over 100m length.

| | 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 | £5 | £7,500 | 1,750 | £5 | £8,750 | 2,000 | £5 | £10,000 | 2,000 | £5 | £10,000 |
| 3 | Trimming | | 2,000 | m2 | £3 | £6,000 | 2,000 | £3 | £6,000 | 2,000 | £3 | £6,000 | 2,000 | £3 | £6,000 |
| 4 | Disposal | | | | fixed | £5,000 | | fixed | £5,000 | | fixed | £5,000 | | fixed | £5,000 |
| 5 | Dwarf wall and handrailing | Stone clad finish | 150 | m | £350 | £52,500 | 175 | £350 | £61,250 | 200 | £350 | £70,000 | 225 | £350 | £78,750 |
| 6 | Piling | Stabilisation of RHB | 150 | m | £600 | £90,000 | 150 | £690 | £103,500 | 150 | £794 | £119,025 | 150 | £913 | £136,879 |
| 7 | Reinstatement | Reinstatement of path on RHB | 250 | m3 | £20 | £5,000 | 250 | £20 | £5,000 | 250 | £20 | £5,000 | 250 | £20 | £5,000 |
| 8 | Landscaping | incl. in-channel works | 500 | m2 | £15 | £7,500 | 500 | £15 | £7,500 | 500 | £15 | £7,500 | 500 | £15 | £7,500 |
| 9 | Bank Protection | | 300 | m2 | £20 | £6,000 | 300 | £20 | £6,000 | 300 | £20 | £6,000 | 300 | £20 | £6,000 |
| Sub Total | | | | | | £187,000 | | | | £211,750 | | | | £238,525 | £265,129 |

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 | Bank construction | 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 |

Information - Flood embanking at CHU_00282 40m in length, 1m crest width, 0.5m/0.55m/0.6m 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 | | | 120 | £5 | £600 | 130 | £5 | £650 | 140 | £5 | £700 |
| 2 | Excavation | Excavate area for foundation of bund | | m3 | | | 36 | £8 | £288 | 40 | £8 | £320 | 42 | £8 | £336 |
| 3 | Disposal | Excess and unsuitable material | | | | | | fixed | £5,000 | | fixed | £5,000 | | fixed | £5,000 |
| 4 | Trimming | | | m2 | | | 130 | £3 | £390 | 140 | £3 | £420 | 150 | £3 | £450 |
| 5 | Bank construction | Clay core | | m | | | 40 | £90 | £3,600 | 40 | 100 | £4,000 | 40 | 110 | £4,400 |
| 6 | Landscaping & Reinstatement | Grass seeding etc. | | m2 | | | 130 | £15 | £1,950 | 140 | £15 | £2,100 | 150 | £15 | £2,250 |
| Sub Total | | | | | | £0 | | | £11,828 | | | £12,490 | | | £13,136 |

Costs - Summary

| Task | Notes | | | | | | | | | | | | | |
|---------------------------------------|--------------------------------------|-------|----|-----|----------|-------|-----|----------|-------|-----|----------|-------|-----|------------|
| Land Purchase | Assumption | 1,000 | m2 | £50 | £50,000 | 1,500 | £50 | £75,000 | 2,000 | £50 | £100,000 | 2,000 | £50 | £100,000 |
| Site Investigation | | | | | £20,000 | | | £20,000 | | | £20,000 | | | £20,000 |
| Sub total | | | | | £392,875 | | | £443,788 | | | £484,030 | | | £527,784 |
| | | | | | | | | | | | | | | |
| Contingency | % of sub total | 25 | % | - | £98,219 | 25 | - | £110,947 | 25 | - | £121,008 | 25 | - | £131,946 |
| | | | | | | | | | | | | | | |
| Site set-up, prelims, overheads, etc. | % of (sub total + contingency) + 10k | 25 | % | | £108,219 | 25 | | £120,947 | 25 | | £131,008 | 25 | | £141,946 |
| | | | | | | | | | | | | | | |
| Total | | | | | £669,313 | | | £770,682 | | | £856,045 | | | £921,676 |
| Total £k | | | | | 669.3125 | | | 770.682 | | | 856.045 | | | 921.675625 |