

Appendix 9a – Estimated works costings

Trail Section	Works required	Priority	Item cost	Total			
Section 1&2	31 Kissing Gates to be replaced with pedestrian gates	3	£1000 per gate	£31000			
Bethesda to Llanberis	Interpretation board at start in Bangor.	1	£3000 per board	£3000			
	Provide gate in wall near heritage ladder stile	3	£1500 per gate	£1500			
	800m section over Gwaen Gynfi - geotextile to stone slabs	1	£70 per m	£46000			
	200m drainage channels	1	£5 per m	£1000			
	200 m vegetation clearance Pentre Felin /Bangor end.	1	£6 per m	£1200			
					£82,500		
					£8,250 Contingency		
					£90,750 Total		
Trail Section	Works required	Priority	Item cost	Total			
Section 3	14 Kissing Gates to be replaced with pedestrian gates	3	£1000 per gate	£14000			
Llanberis to Beddgelert	3 stiles over wall to be replaced by pedestrian gates	2	£1500 per gate	£4500			
	1 stile over fence to be replaced by pedestrian gates	2	£1000 per gate	£1000			
	2 stiles require improvements	1	£500 per stile	£1000			
	Place 1 waymarker post	1		£150			
	3 Interpretation boards at Llanberis, Rhyd Ddu and Beddgelert	3	£3000 per board	£9000			
	Anti-skid for 3 ladder stiles just west of Waunfawr	2	Allow £500	£1500			
	Drainage works for 200m stretch before Waunfawr	1	£5 per m	£1000			
	Geotextile and hardcore to the above	1	£30 per m	£6000			
	800m drainage east of Nantlle.	1	£5 per m	£4000			
	Hardcore to the above	1	£25 per m	£20000			
					£56,150		
					£5,615 Contingency		
					£61,765 Total		
Trail Section	Works required	Priority	Item cost	Total			
Section 4	Replace 1 bridge slat at Aberglaslyn end of route out of Beddgelert	1	£100	£100			
Beddgelert to Llan Ffestiniog	Surface improvements for 1km of worst section between Nantmor and Croesor to include geotextile and hardcore	2	£30 per m	£30000			
	Drainage work to the above	2	£5 per m	£5000			
	Place 1 waymarker post near Pont Aberglaslyn	2		£150			
	Place 1 waymarker post near Tanygrisiau scrapyard	2		£150			
	15 Kissing Gates to be replaced with pedestrian gates	3	£1000 per gate	£15000			
	4 stiles over wall to be replaced by pedestrian gates	2	£1500 per gate	£6000			
	1 stile over fence to be replaced by pedestrian gates	2	£1000 per gate	£1000			
					£57,400		
					£5,740 Contingency		
					£63,140 Total		

Trail Section	Works required	Priority	Item cost	Total		
Section 5	Remove fallen trees in Ceunant Cynfal Nature Reserve	1	£1,000	£1000		
Llan Ffestiniog to Penmachno	7 stiles over wall to be replaced by pedestrian gates	2	£1500 per gate	£10500		
	5 stile over fence to be replaced by pedestrian gates	2	£1000 per gate	£5000		
	3 Kissing Gates to be replaced with pedestrian gates	3	£1000 per gate	£3000		
	Install small footbridge over stream at Llyn Morwynion	2		£5000		
	400m section between cattle crossing and Llyn Morwynion - geotextile to stone slabs	1	£70 per m	£28000		
	200m drainage channels	1	£5 per m	£1000		
	400m section top of Migneint moor - geotextile to stone slabs, flown in	1	£220 per m	£88000		
	200m drainage channels	1	£5 per m	£1000	£137,500	
					£13,750	Contingency
					£151,250	Total
Trail Section	Works required	Priority	Item cost	Total		
Section 6	8 stiles over wall to be replaced by pedestrian gates	2	£1500 per gate	£12000		
Penmachno to Capel Curig	5 stile over fence to be replaced by pedestrian gates	2	£1000 per gate	£5000		
	1 Kissing Gate to be replaced with pedestrian gates	3	£1000 per gate	£1000		
	Install small footbridge over stream outside forestry above Penmachno	2		£5000		
	Provide off-road alternative for between Penmachno Mill and Conwy Falls	2	725m	£45000		
	Tidy up flood damage at Ty Hyll	1		£500		
	Replace waymarker NW of Glyn Farm	1		£150		
	Resurface approx 80m washed out section north of Glyn Farm	2	£30 per m	£2400	£71,050	
					£7,105	Contingency
					£78,155	Total
Trail Section	Works required	Priority	Item cost	Total		
Section 6	350m section around Llyn Ogwen - geotextile to stone slabs - flown in	2	£220 per m	£77000		
Penmachno to Capel Curig	3 stiles over fence to be replaced by pedestrian gates	3	£1000 per gate	£3000	£80,600	
					£8,060	Contingency
					£88,660	Total
			Grand Total		£533,720	

Alternative route option costings at Yr Ocar nr Bethesda and Llanberis route.

	Works required	Priority	Item cost	Total			
Alternative route at Yr Ocar	2 Kissing Gates to be replaced with pedestrian gates	2	£1000 per gate	£2000			
	Place 1 waymarker post	2		£150			
	Improve 8m of path with hardcore and geotextile (double rate for small section)	2	£60 per m	£480			
	Clearance of vegetation for 200m at southern end	2		£1000	£3,630		
					£363 Contingency		
					£3,993 Total		
	Works required	Priority	Item cost	Total			
Alternative route out of Llanberis	Place gate in wall where PRoW is blocked	2	£1500 per gate	£1500			
	Replace temporary hurdle gate with field gate	2	£1500 per gate	£1500			
	Replace stile over fence with pedestrian gate	2	£1000 per gate	£1000			
	Stone slab path over 200m - slate slabs won from nearby tips	2	£70 per m	£14000			
	Drainage to the above	2	£5 per m	£1000			
	Fence narrow section to provide safe protection due to drop into quarry below	2	£10 per m	£2000			
	Repair existing fence below quarry	2		£1000	£22,000		
					£2,200 Contingency		
					£24,200 Total		

Estimated ongoing costs on annual basis (to be reviewed with annual inflation)

Other General works /costs on average year basis	• Extra waymark discs and waymark posts to install as and when required	£500	-	£500
	• Prints of extra guidebooks and leaflets	£2,000	-	£2,000
	• General admin costs	-	£10,000	£10,000
	• Ongoing website improvements /maintenance costs	£2,000		£2,000
	• Trail officer annual salary		£35,000-40,000	£40,000
	• 5km of annual vegetation clearance on various section of Trail shown in Appendix 10.	-	£15,000	£15,000