





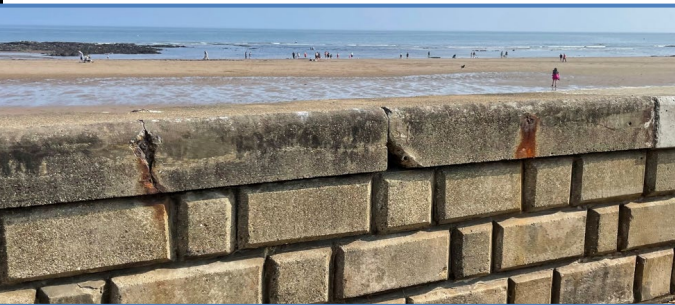



Scarborough North Bay Capital Improvements - Phase 2 & 3

Brief Description

Cost

Item	Description	Quantity	Unit	Rate	Price	
Phase 2						
1.Oasis Café Slipway Toe Beam & Slabs						
	Break out existing concrete slab and toe beam Assume 0.4m deep, 20m wide, 20m long	160	m³	£ 80.00	£	12,800
	Dispose of material for processing	160	m³	£ 100.00	£	16,000
	Fix stainless steel dowels Assume 1m long, 2no per m² for slab, 2no. per lin m of toe beam	840	no.	£ 25.00	£	21,000
	Pour mass concrete slab Assume 0.4m deep, 20m wide, 20m long	40	m³	£ 600.00	£	24,000
	Pour mass concrete toe beam Assume 1m deep, 0.5 wide, 20m long	10	m³	£ 750.00	£	7,500
				Sub Total	£	81,300
2. Seawall Coping Replacement (north)						
	Break out existing concrete cope Assume 0.5m deep, 0.5 wide, 30m long	7.5	m³	£ 250.00	£	1,875
	Dispose of material for processing	7.5	m³	£ 100.00	£	750
	Fix stainless steel dowels Assumed 1m long, 1 per lin m of cope	30	no.	£ 30.00	£	900
	Pour mass concrete cope Assume 0.5m deep, 0.5 wide, 30m long	7.5	m³	£ 900.00	£	6,750
		10	no.	Total Sub Total	£	10,275
					£	102,750
3. Seawall Concrete Encasement (north)						
	Fix Stainless Steel Dowels Assumed 1m long, 4no. per lin m of encasement	200	no.	£ 30.00	£	6,000
	Pour concrete encasement of lower wall Assumed mass concrete, 0.4m wide, 4m deep, 50m long with patterned formliner	64	m³	£ 900.00	£	57,600
					Sub Total	£
4. Access Steps Coping Replacement (2 no. sets)						
	Break out existing concrete cope to steps Assume 0.5m deep, 0.5 wide, 12m long (x2)	6	m³	£ 120.00	£	720
	Dispose of material for processing	6	m³	£ 100.00	£	600
	Fix stainless steel dowels Assumed 1m long, 2no. per lin m of cope	48	no.	£ 30.00	£	1,440
	Pour mass concrete cope Assume 0.5m deep, 0.5 wide, 24m long	6	m³	£ 700.00	£	4,200
		2	no.	Total Sub Total	£	6,960
					£	13,920
5. Promenade Surfacing Replacement (at buttress)						
	Break out existing surfacing Assume 0.4m deep, 300m2 area	120	m³	£ 80.00	£	9,600
	Dispose of material for processing	120	m³	£ 100.00	£	12,000
	Pour mass concrete slab Assume 0.4m deep, 300m2 area	120	m³	£ 500.00	£	60,000
					Sub Total	£

6. Sea Wall Scour Toe Beam		Pour mass concrete toe beam Assume 1m deep, 0.5 wide, 50m long	25	m³	£	750.00	£	18,750
							Sub Total	£ 18,750
7. Promenade Slab Replacement (north)								
	Break out existing concrete slab and toe beam Assume 0.4m deep, 10m wide, 40m long	160	m³	£	80.00	£	12,800	
	Dispose of material for processing	160	m³	£	100.00	£	16,000	
	Pour mass concrete slab Assume 0.4m deep, 10m wide, 40m long	160	m³	£	500.00	£	80,000	
							Sub Total	£ 108,800
8. Seawall Coping Replacement (south)								
	Break out existing concrete cope Assume 0.5m deep, 0.5 wide, 38m long	9.5	m³	£	250.00	£	2,375	
	Dispose of material for processing	9.5	m³	£	100.00	£	950	
	Fix stainless steel dowels Assumed 1m long, 1 per lin m of cope	38	no.	£	30.00	£	1,140	
	Pour mass concrete cope Assume 0.5m deep, 0.5 wide, 38m long	9.75	m³	£	900.00	£	8,775	
		1	no.				Total Sub Total	£ 13,240 £ 13,240
5. Rear Revetment Replacement								
	Break out existing masonry revetment Assume 0.4m deep, 3m wide, 200m long	240	m³	£	80.00	£	19,200	
	Dispose of material for processing	240	m³	£	100.00	£	24,000	
	Pour sloping concrete revetment Assumed mass concrete, 0.4m deep, 3m wide,	240	m³	£	750.00	£	180,000	
							Sub Total	£ 223,200
							Sub Total Option:	£ 707,160
							Uplifted to 2023:	£ 732,153
		General Preliminaries			10%	£	73,215.25	
		Contractors Overheads and Profit			10%	£	73,215.25	
							Sub Total:	£ 853,591
		Design Costs and Investigations			10%	£	85,359.05	
		Contract Admin & Supervision			10%	£	85,359.05	
		Council Staff Costs			5%	£	42,679.53	
							Sub Total:	£ 1,066,988
							30% Optimism Bias	£ 320,096.4
							Phase 2 Total	£ 1,387,084.6

Phase 3

7. Rear-Wall Concrete Encasement (south)



Fix stainless steel dowels <i>Assumed 1m long, 3no. per lin m of encasement</i>	615	no.	£	30.00	£	18,450
Pour concrete encasement of rear wall <i>Assumed mass concrete, 0.5m wide, 3m high,</i>	307.5	m³	£	700.00	£	215,250
Sub Total					£	233,700

8. Promenade Slab Replacement (south)



Break out existing concrete slab and toe beam <i>Assume 0.4m deep, 10m wide, 230m long</i>	920	m³	£	80.00	£	73,600
Dispose of material for processing	920	m³	£	100.00	£	92,000
Pour mass concrete slab <i>Assume 0.4m deep, 10m wide, 230m long</i>	920	m³	£	500.00	£	460,000
Sub Total					£	625,600

Sub Total Option:	£	859,300
Uplifted to 2023:	£	889,669

General Preliminaries	10%	£	88,966.95
Contractors Overheads and Profit	10%	£	88,966.95

Sub Total:	£	1,037,234
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Design Costs and Investigations	10%	£	103,723.39
Contract Admin & Supervision	10%	£	103,723.39
Council Staff Costs	5%	£	51,861.69

Sub Total:	£	1,296,542
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30% Optimism Bias	£	388,962.7
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Phase 3 Total	£	1,685,505.1
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Phase 2+3 Total	£	3,072,589.6
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PV Cost - Phase 2 + 3 + Capital Scheme	£	13,120,406
Contingency for option appraisal (strategic level)	60% £	7,872,243

Final Total	£	20,992,649
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Maintenance

North Bay coastal defence assets budget

Frequency

annual

Total Cost

£ 30,000.00