

Bass Coast Dinosaurs Trail - San Remo Time Machine A - Concept Design Cost Plan - Rev1

15 August 2023

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PROJECT SUMMARY



Project: BASS COAST DINOSAURS TRAIL

Cost Plan: A - SAN REMO TIME MACHINE COST PLAN - REV1

No.	Item Description	Proj Cost %	Quantity	Rate	Total
1	NOTES AND EXCLUSIONS	0.00			0
2	SAN REMO TIME MACHINE	66.48	350	4,040.15	1,414,053
3	ESCALATION TO TENDER	5.36	350	325.71	114,000
4	ESCALATION DURING CONSTRUCTION	1.46	350	88.57	31,000
	ESTIMATED CONSTRUCTION TENDER		350	4,454.44	1,559,053
5	CONSTRUCTION CONTINGENCY	7.34	10.00		156,000
	ESTIMATED TOTAL CONSTRUCTION COST		350	4,900.15	1,715,053
6	OTHER PROJECT COSTS	19.39	350	1,178.00	412,300
	ESTIMATED TOTAL PROJECT COST		350	6,078.15	2,127,353
GFA: 0.00 m2			100		2,127,353

DETAILED COST PLAN



Project: BASS COAST DINOSAURS TRAIL

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No.	Item Description	Quantity	Unit	Rate	Total
NOTES AND EXCLUSIONS					
NOTES					
NOTES					
Generally					
1	Assumes a competitive tender process to four or more appropriately sized and interested contractors under an industry standard lump sum contract			note	
2	Where pricing for artwork installations, digital installation, sculptures, etc. has been provided, Wilde and Woollard have incorporated these amounts into our cost plans			note	
This cost plan has been based on the following documentation:-					
Architectural					
3	David Murphy's Concept Design Presentation received 22 June 2023 & 04 July 2023			note	
4	David Murphy's design estimate document received 04 July 2023			note	
5	Client's email received 22 June 2023			note	
6	Client's technical estimate excel received 22 June 2023			note	
NOTES TOTAL					0
EXCLUSIONS					
EXCLUSIONS					
The following has been excluded from this cost plan:-					
7	PHORIA technology spine infrastructure, refer separate cost plan			note	
8	Removal and replacement of hazardous materials including asbestos and contaminated soil			note	
9	Excavation, removal and replacement of rock, building rubble, inground structures etc.			note	
10	Excavation, removal and replacement of soft spots			note	
11	Upgrading or diversion of existing services other than services identified on drawings			note	
12	Site infrastructure works beyond the site boundary not indicated			note	
13	Irrigation			note	
14	Cost escalation beyond tender with construction period			note	
15	Authorities fees and headworks charges			note	
16	Out of hours work			note	
17	Goods and services tax (GST)			note	
EXCLUSIONS TOTAL					0

DETAILED COST PLAN



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No.	Item Description	Quantity	Unit	Rate	Total
NOTES AND EXCLUSIONS					<i>(Continued)</i>
<u>AREAS</u>					
AREAS					
18	Site Area	350	m2		
<u>AREAS TOTAL</u>					<u>0</u>
NOTES AND EXCLUSIONS TOTAL					0

DETAILED COST PLAN

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No.	Item Description	Quantity	Unit	Rate	Total
SAN REMO TIME MACHINE					
LANDSCAPING					
LANDSCAPING					
19	Cost quantities as advised by David Murphy in presentation dated 04 July 2023				
Site Preparation					
20	Site preparation including 4.5 ton machine on rubber tracks to minimise marking of surrounding roads/grassed areas etc.	20	m2	150.00	3,000
Paths					
21	Gravel pathway including setout, removal of existing grass, site preparation, 100 thick compacted road base and 30 thick compacted toppings	230	m2	110.00	25,300
Garden Beds					
22	Garden bed including setout, native grasses @ 4/m2 and 1 shrub/ 1.5 m2 in exisiting topsoil with 100 thick mulch covering	120	m2	180.00	21,600
Edging					
23	3 Thick x 100 high corten steel edge, pegged every 1 m minimum	180	m	65.00	11,700
LANDSCAPING TOTAL					61,600
DINOSAUR PLINTHS					
DINOSAUR PLINTHS					
24	Cost estimate as advised by David Murphy in presentation dated 04 July 2023				
Materials					
25	Aluminium Profiles to create dinosour outlines	3	no	200.00	600
26	Bone, Shells and other terrazzo items	5	no	400.00	2,000
Concrete Bases					
27	Dinosaur profiles in aluminium - Qantassaurus, Serendipiceretops and Noasurid	3	no	2,000.00	6,000
28	Formwork with corten sides to remain in place - Qantassaurus, Serendipiceretops and Noasurid	3	no	2,500.00	7,500
29	Formwork with corten sides to remain in place - Koolasuchus and Megaraptor	2	no	5,500.00	11,000
30	Steel reo - supply and install	1	item	4,500.00	4,500
31	Excavator - local, 4.5 ton	10	hrs	150.00	1,500
32	Concrete - 25 mpa from local supplier	12	m3	330.00	3,960
33	Concrete pump	8	hrs	250.00	2,000

DETAILED COST PLAN



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Cost Plan: A - SAN REMO TIME MACHINE COST PLAN - REV1

No.	Item Description	Quantity	Unit	Rate	Total
SAN REMO TIME MACHINE					(Continued)
<u>DINOSAUR PLINTHS</u>					(Continued)
34	Tool hire - vibrator	1	day	250.00	250
35	Trowel Hand - tradesman for concrete pouring	10	hrs	120.00	1,200
Terazzo/Finished Surfaces					
36	Qantassaurus - to include references to skeleton, bones, selected aggregates	6	m2	1,200.00	7,200
37	Noasurid - to include references to skeleton, bones, selected aggregates	6	m2	1,200.00	7,200
38	Koolasuchus - to include references to skeleton, bones, selected aggregates	9	m2	1,200.00	10,800
39	Serendipiceratops - to include references to skeleton, bones, selected aggregates	6	m2	1,200.00	7,200
40	Megaraptor - to include references to skeleton, bones, selected aggregates	15	m2	1,200.00	18,000
Bronze moulding/Casting - Fundere					
41	Qantassaurus - one fossil with m12 ss threaded rods chemset in place	1	no	2,000.00	2,000
42	Noasurid - onen fossil with m12 ss threaded rodschemset in place	1	no	2,000.00	2,000
43	Koolasuchus - five fossils (big and small) with m12 ss threaded rods chemset	5	no	2,000.00	10,000
44	Serendipiceratops- one fossil with m12 ss threaded rods chemset in place	1	no	3,000.00	3,000
45	Megaraptor - Four big fossils with m12 ss threaded rod chemset in place	4	no	3,500.00	14,000
Installation					
46	Installation	80	hrs	150.00	12,000
Transport					
47	Terazzo delivered to San Remo from Newport	1	item	2,500.00	2,500
48	Site visits (return) to include fuel, tolls and kms	6	each	450.00	2,700
Site lock up					
49	Temp Fencing/site lockup - 2 weeks	1	item	1,800.00	1,800
Accomodation					
50	Local short term rent for up to three workers	12	night	300.00	3,600
<u>DINOSAUR PLINTHS TOTAL</u>					<u>144,510</u>
<u>DINOSAUR BRONZES</u>					
DINOSAUR BRONZES					

DETAILED COST PLAN

Project: BASS COAST DINOSAURS TRAIL

Cost Plan: A - SAN REMO TIME MACHINE COST PLAN - REV1

No.	Item Description	Quantity	Unit	Rate	Total
SAN REMO TIME MACHINE					(Continued)
DINOSAUR BRONZES					(Continued)
51	Cost estimate as advised by David Murphy in presentation dated 04 July 2023		note		
Sculpting Materials					
52	Plasticine	30	kg	16.00	480
53	Stainless skeletons /boards etc.	5	no	60.00	300
54	Consumables	5	no	60.00	300
Sculpting					
55	David Murphy - working with all research material	400	hrs	150.00	60,000
56	3D printing - model/components	5	no	800.00	4,000
Bronze moulding and Casting					
57	Qantassaurus (mould and casting)	1	no	12,000.00	12,000
58	Noasurid (mould and casting)	1	no	12,000.00	12,000
59	Koolasuchus (mould and casting)	1	no	12,000.00	12,000
60	Serendipiceratops (mould and casting)	1	no	12,000.00	12,000
61	Megaraptor (mould and casting)	1	no	12,000.00	12,000
Installation					
62	Installation	48	hrs	150.00	7,200
Site visits					
63	Site visits	3	no	450.00	1,350
Accomodation					
64	Accomodation	3	night	300.00	900
DINOSAUR BRONZES TOTAL					134,530
THE TIME MACHINE					
THE TIME MACHINE					
65	Cost estimate as advised by Architect in presentation dated 04 July 2023		note		
Materials					
66	Central column - spiral Rolling and 316 Stainless steel supply (all rolling) in 40	1	item	75,900.00	75,900
67	Stairs, landings and balustrades - Stainless steel/Corten	1	item	12,500.00	12,500
68	Viewing Deck - stainless steel and Corten structural elements	1	item	8,800.00	8,800
69	Viewing Deck - stainless steel and Corten balustrades and handrails	1	item	5,500.00	5,500
70	Top Shape	1	item	2,500.00	2,500

DETAILED COST PLAN

Project: BASS COAST DINOSAURS TRAIL

Cost Plan: A - SAN REMO TIME MACHINE COST PLAN - REV1

No.	Item Description	Quantity	Unit	Rate	Total
SAN REMO TIME MACHINE					(Continued)
THE TIME MACHINE					(Continued)
71	Nucleotide materials/rolling	1	item	12,000.00	12,000
72	Welding/grinding Consumables	1	item	3,800.00	3,800
73	Fixings/bolts - 16 mm 316 ss bolts, nuts and washers etc.	1	item	4,500.00	4,500
74	80 x "U" brackets in forged 50 x 8 mm flat bar	1	item	2,500.00	2,500
75	Perforated 3mm Corten sheet - inner cylinder	1	item	8,000.00	8,000
Fabrication/Labour - centre column					
76	Inner spirals joined and aligned on to jig (13s)	68	hrs	150.00	10,200
77	Second layer spirals joined and aligned on to jig (8s)	54	hrs	150.00	8,100
78	Third layer spirals joined and aligned on to jig (5s)	34	hrs	150.00	5,100
79	Outer Layer spirals joined and aligned on to jig (3s)	33	hrs	150.00	4,950
80	80 x "U" brackets on, tightened and gussets welded in place	120	hrs	150.00	18,000
81	Trim ends - Laser cut 20 mm ss top and base plates on	68	hrs	150.00	10,200
82	Bolt cage - 25 mm ss treaded bolt cage for slab connection	13	hrs	150.00	1,950
Fabrication/Labour- Stairs and landings					
83	Landings (inc Rails and Balustrades) x 2	100	hrs	150.00	15,000
84	Stringers - Helical 316 ss pipes and angle formed to suit	160	hrs	150.00	24,000
85	Treads - Frames and terazzo "fossil" honed concrete steps	240	hrs	150.00	36,000
86	Risers - 6 mm Perforated Corten risers folded and fixings	80	hrs	150.00	12,000
87	Intermediate trusses to engineers specs	50	hrs	150.00	7,500
88	Handrails x 6 to code	160	hrs	150.00	24,000
89	Balustrades x 6 (possible structural elements) to engineers and BS specs	180	hrs	150.00	27,000
90	Lugs/Fixings to central column to allow for assembly on site	53	hrs	150.00	7,950
Fabrication/Labour - Deck and Top					
91	"Pac-Man" Structural frame	80	hrs	150.00	12,000
92	Terazzo image (Aus/Ant)	26	m2	1,200.00	31,200
93	7 x Trusses to Column	7	each	2,000.00	14,000
94	Handrail and Balustrade - Curved	80	hrs	150.00	12,000
95	Handrail and Balustrade - 2 x straight	45	hrs	150.00	6,750
96	Top Shape	80	hrs	150.00	12,000
97	Seat	33	hrs	150.00	4,950
Fabrication/Labour - Nucleotides					
98	10 x Nucleotides - Sculptural elements	10	each	8,000.00	80,000
99	10 x Sugars + Phosphates - Sculptural elements	10	each	5,000.00	50,000

DETAILED COST PLAN

Project: BASS COAST DINOSAURS TRAIL

Cost Plan: A - SAN REMO TIME MACHINE COST PLAN - REV1

No.	Item Description	Quantity	Unit	Rate	Total
SAN REMO TIME MACHINE					(Continued)
<u>THE TIME MACHINE</u>					(Continued)
100	Helix	18	m	600.00	10,800
Subcontractors					
101	Laser cutting (Base and top plate, lugs and assorted components)	1	item	10,500.00	10,500
102	Shot blasting - Labour	40	hrs	400.00	16,000
103	Shot Blasting - medium	1	item	2,500.00	2,500
104	Rigger - Up and down in Melbs, up at San Remo	20	hrs	150.00	3,000
Workshop Hire					
105	David Murphy's Studio	30	week s	250.00	7,500
106	Sculpture Co	22	week s	800.00	17,600
Slab/Foundation					
107	Excavator / soil removal	10	hrs	150.00	1,500
108	Concrete	20	m3	320.00	6,400
109	Steel reinforcing	30	no	125.00	3,750
110	Formwork and Corten edging left in place	20	m	250.00	5,000
111	Trowel hand	8	hrs	120.00	960
112	Terazzo image (Aus/Ant)	22	m2	1,200.00	26,400
Services					
113	Power Supply - Not allowed for	1	item		Excluded
114	Internet conection (Lighting control) - Not allowed for	1	item		Excluded
Lighting					
115	Electrical for Time Machine	1	item	124,353.00	124,353
116	Ramus Fees	1	item	31,300.00	31,300
117	Cherry Picker fo installation of Helix lights	2	week s	2,000.00	4,000
118	Helix Lighting - Fabrication Elements to house strip light fittings	1	item	20,000.00	20,000
Transport/Cranes/Access					
119	Column and parts - NP to SW	1	each	2,500.00	2,500
120	Crane @ Sculpture Co x 2	2	each	2,000.00	4,000
121	Cherry Picker x 3	3	each	1,500.00	4,500
122	Column and parts to San Remo	2	each	2,000.00	4,000
123	Crane at San Remo	3	days	2,000.00	6,000

DETAILED COST PLAN



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Cost Plan: A - SAN REMO TIME MACHINE COST PLAN - REV1

No.	Item Description	Quantity	Unit	Rate	Total
SAN REMO TIME MACHINE					<i>(Continued)</i>
THE TIME MACHINE					<i>(Continued)</i>
124	Cherry Picker at San Remo	2	week	2,000.00	4,000
Accomodation					
125	Accomodation	20	night	300.00	6,000
THE TIME MACHINE TOTAL					<u>893,413</u>
THE DIGITAL EXPERIENCE					
THE DIGITAL EXPERIENCE					
126	Cost quantities as advised by Architect in presentation dated 04 July 2023		note		
127	David Murphy - 3D scanning of bronze sculptures, co-design digital experience with Phoria, collaborate on interpretation of collected works into website/"digital spine" of BCDT	200	hrs	100.00	20,000
128	Phoria	1	item	45,000.00	45,000
THE DIGITAL EXPERIENCE TOTAL					<u>65,000</u>
00 PRELIMINARIES					
PRELIMINARIES					
129	Allow for builder's preliminaries (5%)	1	item	65,000.00	65,000
00 PRELIMINARIES TOTAL					<u>65,000</u>
46 DESIGN CONTINGENCY					
DESIGN CONTINGENCY					
130	Allow for design contingency	1	item	50,000.00	50,000
46 DESIGN CONTINGENCY TOTAL					<u>50,000</u>
SAN REMO TIME MACHINE TOTAL					<u>1,414,053</u>

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No.	Item Description	Quantity	Unit	Rate	Total
ESCALATION TO TENDER					
YY	46 SPECIAL PROVISIONS				
	ESCALATION TO TENDER				
131	Allow for cost escalation to Tender by July 2024	1	item	114,000.00	114,000
	46 SPECIAL PROVISIONS TOTAL				114,000
	ESCALATION TO TENDER TOTAL				114,000

DETAILED COST PLAN



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No.	Item Description	Quantity	Unit	Rate	Total
ESCALATION DURING CONSTRUCTION					
YY	46 SPECIAL PROVISIONS				
	ESCALATION DURING CONSTRUCTION				
132	Allow for cost escalation during Construction (say 6 months)	1	item	31,000.00	31,000
	46 SPECIAL PROVISIONS TOTAL				31,000
	ESCALATION DURING CONSTRUCTION TOTAL				31,000

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No.	Item Description	Quantity	Unit	Rate	Total
CONSTRUCTION CONTINGENCY					
YY	46 SPECIAL PROVISIONS				
	CONSTRUCTION CONTINGENCY				
133	Allow for construction contingency (10%)	1	item		156,000
	46 SPECIAL PROVISIONS TOTAL				156,000
	CONSTRUCTION CONTINGENCY TOTAL				156,000

DETAILED COST PLAN



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No.	Item Description	Quantity	Unit	Rate	Total
OTHER PROJECT COSTS					
YY	OTHER PROJECT COSTS				
PROFESSIONAL FEES					
134	Professional fees as advised by Architect in presentation dated 04 July 2023		note		
135	Artist fee (15%)	1	item	258,000.00	258,000
136	Professional fees including design and preparation, drafting and modelling, fossil replicas and site visits for setout - Landcaping, Plinth, Dinosaur bronzes	1	item	51,000.00	51,000
137	Professional fees including design and preparation, drafting and 3D modelling - Time Machine	1	item	64,000.00	64,000
138	Engineer	1	item	28,000.00	28,000
139	Building Surveyor	1	item	3,600.00	3,600
140	Geotech	1	item	4,500.00	4,500
141	Play Auditor	1	item	3,200.00	3,200
SIGNAGE					
142	Allow for way-finding signage	1	item		Excluded
AUTHORITIES FEES					
143	Allow for authorities fees and charges	1	item		Excluded
INSURANCES					
144	Allow for insurances	1	item		Excluded
PROJECT CONTINGENCY					
145	Allow for client's project contingency	1	item		Excluded
OTHER PROJECT COSTS TOTAL					412,300
OTHER PROJECT COSTS TOTAL					412,300