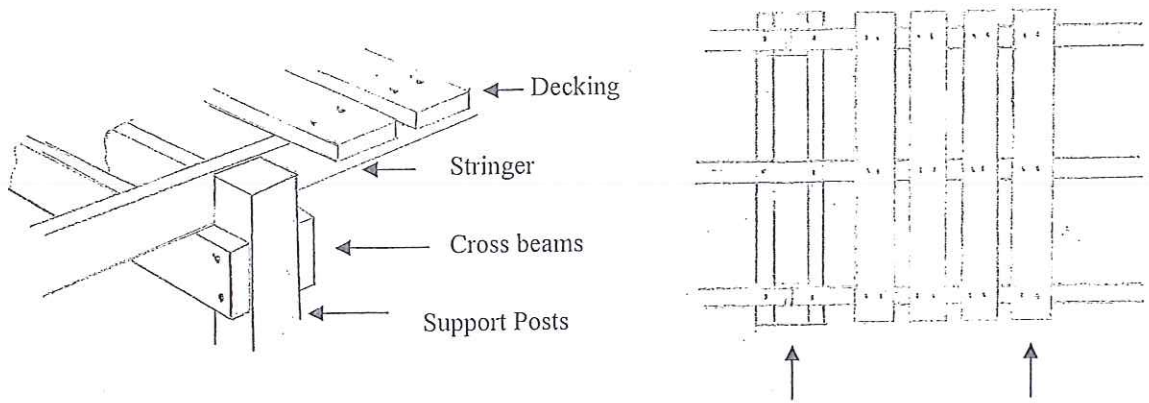


Standard Boardwalk



Join stringers on cross-beams and alternate joins for centre and outer stringer lines

Alternative between Aggredeck and plain decking boards. Space using a template. Overhang stringer by 100mm

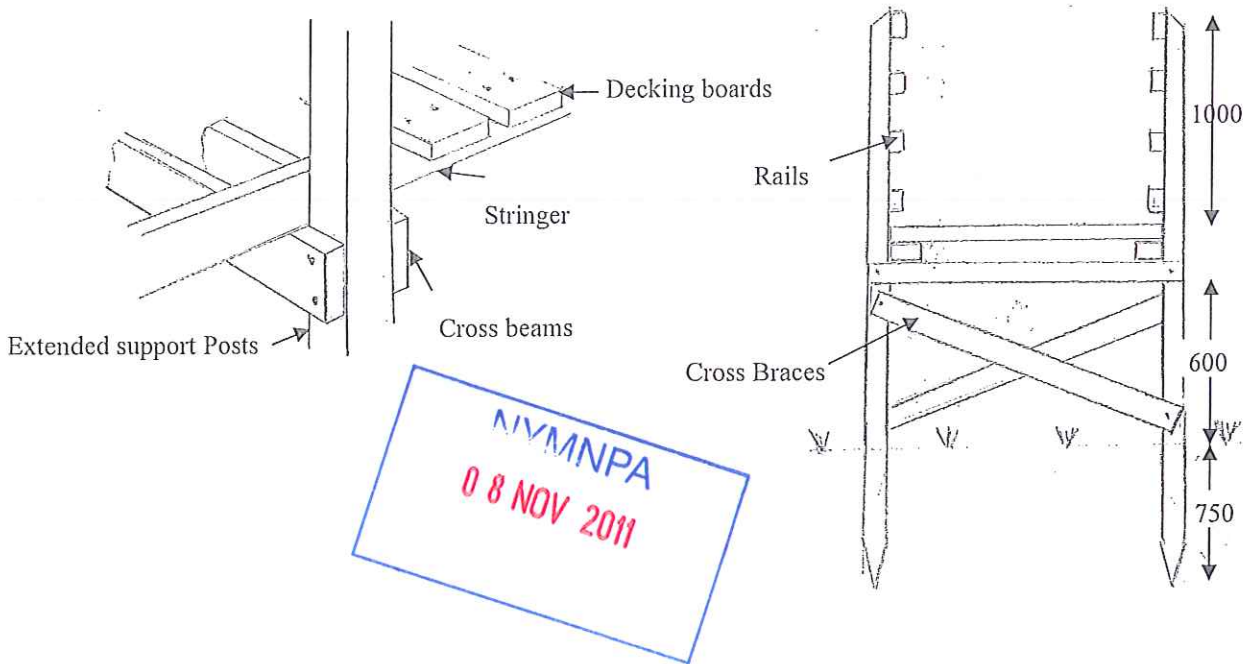
Item	Size	Quantity per 3.6m Section	Estimated cost per Item	Estimated cost per section
Support Posts	100 x 100 x 1200	6	4.8	28.8
Stringers	100 x 50 x 3600	3	4.27	12.81
Cross Beams	100 x 50 x 1400	6	2.8	16.8
Decking Boards	45 x 125 x 1400	12	3.15	37.8
Aggredeck	45 x 125 x 1400	12	9	108
			Total	204.21

Method

1. Clear vegetation as necessary.
2. Dig holes for support posts 200-250mm deep, and then mell posts in to the ground at a minimum depth of 600mm (approx 300mm above ground). Use a cross-beam and level to check that the pair of posts are level.
3. Attach cross-beam. The cross-beams should be bolted to the support posts for extra strength.
4. Dig two more sets of holes spacing posts at 1800mm centres along path, levelling back to previous ones.
5. Attach stringers, angling nails for extra strength. The middle stringers should meet at alternate support posts to the outer stringers.
6. Nail on decking, leaving a 20mm gap. A template of the correct thickness is useful for spacing. Alternate between Aggredeck and plain deck boards.



Raised Boardwalk



Item	Size	Quantity per 3.6m Section	Estimated cost per Item	Estimated cost per section
Support Posts	100 x 100 x 2400	6	9.60	57.60
Stringers	100 x 50 x 3600	3	4.27	12.81
Cross Beams	100 x 50 x 1400	6	2.80	16.80
Decking Boards	45 x 125 x 1400	12	3.15	37.80
Aggredeck Boards	45 x 125 x 1400	12	9.00	108.00
Cross Braces	88 x 38 x 1600	6	2.14	12.84
Rails	100 x 50 x 3600	8	4.27	34.16
			Total	280.01

Method

1. Clear vegetation as necessary.
2. Dig holes for support posts and then sink the posts into the ground with a mell to a minimum depth of 750mm (extending 1000 above decking).
3. Attach cross-beam. The cross-beams should be bolted to the support posts for extra strength.
4. Dig two more sets of holes spacing posts at 1800mm centres along path, levelling back to previous ones.
5. Attach stringers, angling nails for extra strength. The middle stringers should meet at alternate support posts to the outer stringers.
6. Attach cross braces to support posts beneath the stringers on opposite sides.
7. Nail on decking, leaving a 20mm gap. A template of the correct thickness is useful for spacing. Alternate between Aggredeck and plain deck boards. Boards to be cut to size between support posts.
8. Nail on rails. Bottom rail maximum of 75mm above decking. 4 rails each side.

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Location of proposed boardwalk sections * JUEGER HOWE NATURE TRAIL

Section	Eastings	Northings	Length (m)	Issue	Proposal
1	493118	499329	168	Sloping path vulnerable to erosion	Dig out to widen andrevet path on slope side
2	493281	499309	25	Wet section with flowing water	Drainage ditch alongside with cross path channels
3	493416	499309	20	Wet section - people avoiding and creating other paths	Boardwalk
4	493441	499291	0	Multiple paths being used	Waymark Post
5	493429	499298	28	Wet Section	Boardwalk
6	493467	499295	7	Wet Section	Boardwalk
7	493488	499288	50	Deep Bog and extended wet area	Boardwalk
8	493545	499265	35	Wet area	Boardwalk
9	493584	499238	30	Wet area	Boardwalk
10	493595	499201		Slope - eroding and may become slippy	Steps
11	493879	499378	25	Water crossing	Raised Boardwalk

*

length is mentioned above *

Width - as referred to in diagrams - 1400 mm

MUMMIPA
 0-8 NOV 2011