



Additional Waitemata Harbour Crossing



Confirmed Form Option Cost Estimates



Auckland Motorways

Project Estimate - Form B						
	Project Name : AWHC TUNNEL OPTION					
				Options Estimat		
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Item	Description	Base Estimate	P50	P95 / Funding		
			Contingency	Risk		
A	Nett Project Property Cost	201,000,000	32,000,000	83,000,000		
	Investigation and Reporting					
	- Consultancy Fees - NZTA Managed Costs	included				
В	Total Investigation and Reporting	67,095,040	13,419,100	6,709,55		
	Design and Project Documentation	07,023,040	13,419,100	0,709,55		
	- Consultancy Fees	included	SERVICE SERVICE			
	- NZTA Managed Costs	included				
C	Total Design and Project Documentation	234,832,640	23,483,260	11,741,63		
	Construction					
i	MSQA					
	- Consultancy Fees	included	Complete Later			
	- NZTA Managed Costs - Consent Monitoring Fees	included				
	- Consent Monitoring Fees Sub Total Base MSQA	included	20 120 510	16 100 000		
	Physical Works	201,285,120	20,128,510	16,102,80		
2		30,530,000		Marie Walter		
2	Earthworks	96,985,668				
4		48,004,756				
5	Ground Improvements	34,030,310		PERSONAL PROPERTY.		
6	Drainage	17,700,000		PHE EVEL SET		
7		47,968,210		ne Horagen area		
8		109,775,000				
9		147,025,785		Company of the Compan		
10		435,469,340				
11 12		7,958,500				
13	Service Control of the control of th	37,789,785 85,113,600				
14		18,050,000				
15		145,767,070				
16		1,021,011,150	Partie Selection and Company			
17		1,032,073,000				
18	Provisional Sums	39,500,000				
	(4)					
	Sub Total Base Physical Works	3,354,752,174	703,004,156	325,446,012		
D	Total Construction	3,556,037,294	723,132,666	341,548,820		
E	Project Base Estimate (P0) (A+B+C+D)	4,058,964,974				
F	Continuous (Assessed/Analysed)		702.027.026			
F	Contingency (Assessed/Analysed)		792,035,026			
G	Project Expected Estimate (P50)	(E+F)	4,851,000,000			
Н	Funding Risk (Assessed/Analysed)			443,000,000		
I	95th percentile Project Estimate (P95)		(G+H)	5,294,000,000		
				, ,,-		
oate of	Pate of Estimate: 12 Oct 2010 Cost Index (3rg Ott/2010)					
Estimate	e prepared by Carl Viljoen (Beca)	Signed 7				
Estimate	e internal peer review by Ed Rogers and Peter Driml	Signed				
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These estimates are exclusive of escalation and GST.

Estimate external peer review by Bond CM

Estimate accepted by NZTA



Auckland Motorways

	Project Estimate - Fo	orm B		OE	
	Project Name : AWHC BRIDGE OPTION			Options Estimate	
Item	Description	Base Estimate	P50 Contingency	P95 / Funding Risk	
A	Nett Project Property Cost	200,000,000	32,000,000	23,000,000	
	Investigation and Reporting				
	- Consultancy Fees	included			
ь	- NZTA Managed Costs	included			
В	Total Investigation and Reporting Design and Project Documentation	48,968,460	9,793,740	4,896,870	
	- Consultancy Fees	inshulad			
	- Consultancy Pees - NZTA Managed Costs	included included			
C	Total Design and Project Documentation	171,389,610		8,569,480	
	Construction	2,1,000,010	17,150,200	0,502,400	
1	MSQA				
	- Consultancy Fees	included	THE CONTRACTOR OF THE PARTY AND THE		
	- NZTA Managed Costs	included	AND RESIDENCE AND RESIDENCE		
	- Consent Monitoring Fees	included			
	Sub Total Base MSQA	146,905,380	14,690,530	11,752,424	
1100	Physical Works				
2 3	Environmental Compliance	36,923,750			
		117,371,806			
4		52,236,502			
5		36,325,190			
6		20,650,000	MONEY CONTRA		
7	Pavement & Surfacing	63,346,478			
8		104,572,375			
		71,769,695			
10 11		393,055,795	EVERTE MITTER	STREET,	
12		18,188,250		Environment	
13		46,111,040			
13		75,361,600 20,050,000			
15	I The state of the	140,112,750			
16		745,172,500			
17		477,676,294			
18		29,500,000			
	Trovisional Builds	29,500,000			
	Sub Total Base Physical Works	2,448,424,025	514,689,295	236,781,226	
D	Total Construction	2,595,329,405	529,379,825	248,533,650	
E	Project Base Estimate (P0) (A+B+C+D)	3,015,687,475			
F	Contingency (Assessed/Analysed)		588,312,525		
G	Project Expected Estimate (P50)	(E+F)	3,604,000,000		
				285,000,000	
	H Funding Risk (Assessed/Analysed)				
1	95th percentile Project Estimate (P95)		(G+H)	3,889,000,000	
Date of Estimate: 12 October 2010 Cost Index (3rtl Qt/2010)					
Estimate	e prepared by Carl Viljoen (Beca)	Signed			
Estimate internal peer review by Ed Rogers and Peter Driml		Signed			
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Project Estimate - Form B						
	Project Name : AWHC RAIL			OR		
				Options Estimat		
Item	Description	Base Estimate	P50 Contingency	P95 / Funding Risk		
A	Nett Project Property Cost	5,000,000	1,000,000	1,000,000		
	Investigation and Reporting	,				
	- Consultancy Fees	included				
	- NZTA Managed Costs	included	SOL BENEVISOR	Resident In		
<u>B</u>	Total Investigation and Reporting	21,877,120	4,375,440	2,187,720		
	Design and Project Documentation - Consultancy Fees					
	- Consultancy Fees - NZTA Managed Costs	included included				
C	Total Design and Project Documentation	76,569,920	7,656,990	7 656 000		
	Construction	70,505,520	7,050,990	7,656,990		
1	MSQA					
	- Consultancy Fees	included	State Sales	AND REAL PROPERTY.		
	- NZTA Managed Costs	included				
	- Consent Monitoring Fees	included				
	Sub Total Base MSQA	65,631,360	6,563,140	6,563,140		
	Physical Works			1.0000.02.00		
2	Environmental Compliance	3,000,000				
		6,745,000				
4		13,243,930				
5		13,790,430	NAME OF TAXABLE PARTY.			
6		0				
7 8	Pavement & Surfacing	0				
9		28,050,000		MENNERSON		
10		40,370,000				
11	[94,018,200				
12		0				
13		1,000,000				
14		1,000,000				
15		4,000,000				
16		332,912,600				
17	Main Harbour Crossing Tunnels	555,725,880				
18	Provisional Sums	0		Production of the last		
			SEATURE STORAGE	Name of the State		
4						
	Sub Total Base Physical Works	1,093,856,040	229,469,990	105,592,150		
D	Total Construction	1,159,487,400	236,033,130	112,155,290		
E	Project Base Estimate (P0) (A+B+C+D)	1,262,934,440				
F	Contingency (Assessed/Analysed)		249,065,560			
	Project Expected Estimate (P50)	(E+F)	1,512,000,000			
Н	Funding Risk (Assessed/Analysed)			133 000 000		
	95th percentile Project Estimate (P95)		(CTI)	123,000,000		
	2000 percentile i roject Estimate (175)		(G+H)	1,635,000,000		
Date of 1	Estimate: 12 October 2010	Cost Index (3rd Q	ty/2010)			
Stimate	stimate prepared by Carl Viljoen (Beca)		P			
stimate	internal peer review by Ed Rogers and Peter Driml	Signed Signed		Version and the		

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