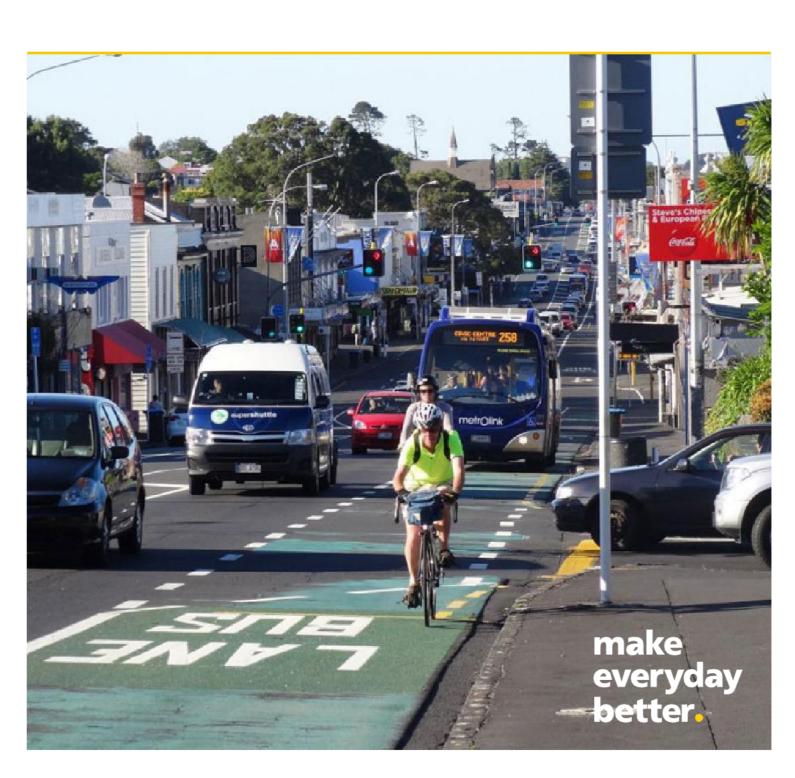


### **Brownfield Generic Cost Allowances and Rates**

Prepared for Auckland Council Prepared by Beca Limited

27 June 2024



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Appendix A – Cost Schedules

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### **Revision History**

Revision N°	Prepared By	Description	Date
1	Nipuna Mohottige	Issued for Council Review	14/06/24
2	2 Nipuna Mohottige Draft 2		27/06/24

### **Document Acceptance**

Action	Name	Signed	Date
Prepared by	Nipuna Mohottige		27/06/24
Reviewed by	Varshen Pillay		27/06/24
Approved by	Rob Mason		27/06/24
on behalf of	Beca Limited		

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### 1 Introduction

The purpose of this report is to set out the process and cost allowances adopted to inform Auckland Council's considerations of funding and financing of transport infrastructure in brownfield environments. The cost allowances outlined in this report are intended to be referenced and applied to brownfield programmes to obtain an indicative cost.

A brownfield environment refers to a developed area, usually in an urban setting and has existing infrastructure in place.

For cost allowances adopted for greenfield environments, refer to the greenfield report.

The report has been developed in collaboration with Auckland Council and Auckland Transport.

### 2 Methodology for Developing Cost Allowances

The process for developing the cost allowances for projects within a brownfields context can use specific detailed designs where available. Where these designs are not available, reasonable engineering and cost judgement has been applied. Accordingly, generic cost rates have been developed for a brownfield environment to establish a consistent approach that allows project costs to be directly compared.

The cost allowances that have been developed are consistent with the requirements of the Cost Estimation Manual (CEM)<sup>1</sup> for preparation of a Programme Business Case Estimate (PBE). These are normally prepared as part of a Programme Business Case (PBC) and used to provide budgets for forward works programming. Usually, the PBE is based on limited knowledge of the project, with a broad range. The estimate life cycle of a project is illustrated below (Figure 2-1), together with the perceived amount of risk at each stage.

The cost allowances provide an indication of infrastructure funding requirements at a base date and do not reflect programming over time. Therefore, escalation is not included directly in these cost allowances.

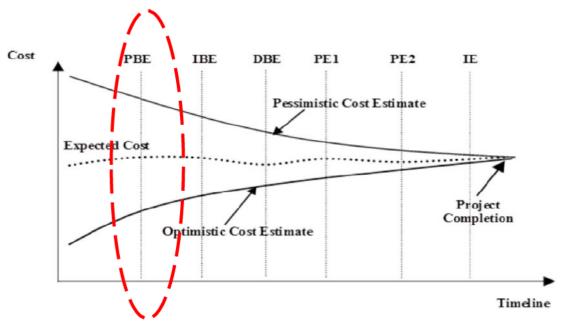


Figure 2-1: Estimate Lifecycle (extracted from section 3.4.1 of the CEM)

<sup>1 &</sup>quot;Cost Estimation Manual", Waka Kotahi, version 2 - August 2021



# 2.1 Cost Allowances for Generic Projects adopted for use within a Brownfield Environment

The accuracy of a cost estimate is dependent on the level of design detail that is available. For projects within a brownfield environment, where the final design solution is not known, the cost allowances need to be based on several assumptions that are summarised in this report.

The cost allowances have been developed to align with the requirements of the CEM and includes an assessment of the total sum of all the elements that make up the estimate.

#### This value includes:

- Property Costs where relevant
- Project Development Phase
- Pre-Implementation Phase
- Implementation Phase Costs
  - Physical Works Costs
- Construction Management and supervision (MSQA)
- Environmental Compliance
- Traffic Management and Temporary Works
- Preliminary and General (P&G)

For projects within a brownfield DC policy, generic generic linear rates and interventions have been developed which can be applied individually or across the length of the respective project. The rates have been purposefully developed to represent the majority of the intervention physical works cost. Appropriate example projects were used to inform and understand the need, assumptions and scope for transport interventions. These were reviewed and identified as a suite of generic interventions. Specific project costs were developed for a small number of non-generic inteventions which significantly differed from the assumptions and scope of the generic projects (these are not covered in this report).

This report documents each of these generic costs and how they can be applied.

#### 2.1.1 Cost Allowances for Generic Treatments

The generic rates set out in Table 2-1 were developed for projects within the Auckland Housing Programme (AHP). A sense check was undertaken by Auckland Transport Quantity Surveyors for appropriate for use within a generic brownfield context and programme. Refer to Appendix A for the detailed schedules and assumptions.

Note these rates reflect the cost to be allowed for physical construction works only, excluding any allowance for Traffic Management, Environmental Compliance or P&G (additional allowances for these items are identified in 0). Client managed costs are also excluded from these linear rates (additional allowances identified in Section 0). The above were based on Auckland Transports Cost Estimation Guide.



Table 2-1: Generic Rates for Transport Elements (Brownfield)

Ref	Description, application and schedule reference (where applicable)	Rate	Unit	Assessment year (Baseline)
1	Intersection upgrade low - upgrade to an existing intersection with low level intervention.	\$200,000	each	2024
2	Intersection upgrade medium - upgrade to an existing intersection with medium level intervention. This includes:  • medium level roundabout (Ref 2-P1)  • medium level signals (Ref 2-P2)	\$600,000	each	2024
3	Intersection upgrade medium/high - Upgrade to an existing intersection with medium/high level intervention. This includes:  • medium/high level roundabout (Ref 3-P1)  • medium/high level signals (Ref 3-P2)	\$750,000	each	2024
4	Intersection upgrade high - upgrade to an existing intersection with high level intervention. This includes:  • high level roundabout (Ref 4-P1) • high level signals (Ref 4-P2)	\$1,500,000	each	2024
5	Midblock low - upgrade to a midblock section with low level of intervention.  Local and collector road upgrade with no changes to carriageway width or kerb lines  On-road cycle lanes	\$2,000	m	2024
6	Midblock medium - upgrade to a midblock section with medium level of intervention.  A bidirectional facility with a kerb line moved on one side.  A shared path with a kerb line moved on one side.	\$4,200	m	2024
7	Midblock high - upgrade to a midblock section with medium level of intervention.  Collector/arterial road upgrades with more significant changes involving reconfiguration of the kerb lines on both sides.	\$6,900	m	2024
8	Speed table (Ref 8-P1)     Speed threshold signage and marking. (Ref 8-P2)     Chicane with traffic island (Ref 8-P3)	• \$100,000 • \$5,000 • \$10,000	each	2024
9	Zebra crossing (At-grade)	\$50,000	each	2024



Ref	Description, application and schedule reference (where applicable)	Rate	Unit	Assessment year (Baseline)
10	Footpath - Upgrading an existing sub-standard footpath	\$470	m	2024
11	4 lane transport corridor (urban)	\$13,500	m	2024
12	Footpath/cycle path retrofit  • Active mode facility	\$480	m	2021

#### 2.1.2 Physical Works Allowances

The physical works allowance includes both the construction costs for the project, as well as costs for setting up and managing the site. The additional components that are required for managing the site are:

- Environmental Compliance: Management of environmental compliance requirements, preparation and management of compliance management plans, construction of permanent erosion and sediment control measures, maintenance and monitoring, noise attenuation and earthworks bunds.
- Traffic Management and Temporary Works: Implementation of traffic management plans, public notification, lane changeovers, road diversions, temporary roads, plant, and equipment hire costs, temporary construction.
- Preliminary and General (P&G): Site establishment, operation, disestablishment, and clean-up; site
  management, bonds, and insurances, preparing and maintaining quality, health & safety, security,
  temporary erosion and sediment control, temporary traffic management plans, programming, and
  reporting.

The physical works allowance adopted for brownfield environments are indicated in Table 2-2

Table 2-2: Physical Works Allowances

Phase	Allowance
Environmental Compliance	3%
Traffic Management and Temporary Works	Typical brownfield -13% Intersection -20%
Preliminary and General	Onsite Overheads – 20%
-	Offsite Overheads – 10%

#### 2.1.3 Client Managed Costs

Client managed costs are incurred throughout the project lifecycle and would vary depending on each project. Basic elements that make up Client Managed Costs include:

- Reviews: Economics Peer Review, Cost Estimate Peer Review / Parallel Estimate, Technical Peer Reviews,
   Constructability Review, O&M Review, Road Safety Audit
- Investigations: Geotechnical Investigations, Utility Location, Pavement Investigations
- Third Party Physical Works: Enabling Works such as utilities



- Communications and Engagement: Open Days, Production of Engagement Collateral, Iwi Engagement,
   Communications Consultant
- Third Party Professional Services: Procurement Support, Property acquisition support, Investigation and Design, Specialist Advisors, Legal Review, Engineer to Contract, etc
- Consenting: Council lodgement and hearing fees, Environment Court / EPA Costs, Legal Advice, Consent Monitoring by Council, Building Consent
- Post Construction Monitoring: Noise Monitoring, Traffic counts, speed surveys, consent conditions
- Miscellaneous Costs: Insurances, Procurement Disbursements, Statutory Compliance, Revocation costs

A lower project-development allowance is applied to take into account that some projects would have pre-work already undertaken by developers, such as for collector road upgrades.

Table 2-3. Allowances for Client Managed Costs

Phase	Description	Allowance
Project Development	Preliminary Design, Implementation Business Case, Investigations, Engagement	1%
Pre-Implementation	Specimen/Detailed Design, Investigations, Statutory Applications	9%
Implementation	Procurement, Construction Monitoring and Supervision	9%

#### 2.2 Allowance for Property Costs

Property costs allowances and the methodology for estimating land acquisition costs have been developed by Auckland Council. These are recorded in the separate methodology document for the council's Development Contributions policy.

#### 2.3 Contingency and Risk Allowance

A contingency is required for cost estimation in accordance with the CEM and is added to the 'Base Estimate' to provide for uncertainty in relation to the estimate inputs and specific project related threats and opportunities with a cost impact.

For brownfields, the cost estimates have been developed using generic intervensions and rates. Therefore, they reflect a programme wide approach where the specific scope and extent of works is undefined, resulting in significant uncertainty in quantities. The physical works cost allowances include a 70% contingency, reflecting the uncertainty in the final form of the projects.

#### 2.4 Renewals

Renewals relate to existing assets which are being replaced or renewed by a project prior to the end of its life or when it would typically get renewed. From a DC policy perspective, the intention is to allocate the appropriate costs to developer contributions, on the basis that growth related developer contributions should not be used to subsidise existing costs that would otherwise be met by Auckland Council.

As the confirmed project timing is unknown, it's difficult to determine (with appropriate certainty) the condition of assets during project initiation, and if they need to be considered as renewals. The following method has been developed to estimate the percentage of renewals for each generic intervention.

 Identify existing assets which are being renewed. This has been based on the site clearance and demolition details to estimate what's currently there and being replaced by a project.



- Calculate the proportion of asset cost which can be contributed as renewal. This is based on the expected life of the asset and programme timeline. Example, for an asset with an 80-year life cycle and a 30-year project horizon, there is a 30/80 (38%) chance it will get renewed within project window. Therefore 38% of the cost can be attributed to renewal. If an asset has life below 30 years, 100% will be attributed as renewal.
- Calculate the chance of project lining up with the renewal time of asset. It is assumed that taking the life of
  an asset into account, we are often not going to be able to line up the timing of a project with when the
  asset is due to be renewed, resulting in a working assumption that on average half the remaining life of the
  asset is deemed to still be existing at time of project being undertaken. Therefore for example above, the
  renewal component will be 38% x 50% = 19% of asset value

The above methodology has been applied to each generic cost to obtain the following renewal percentages. Refer to Appendix B for a detailed breakdown.

Table 2-4: Summary of renewals

Ref	Description	Renewal %
1	Intersection upgrade – low	8%
2	Intersection upgrade – medium	9%
3	Intersection upgrade – medium/high	10%
4	Intersection upgrade - high	13%
5	Midblock – low	5%
6	Midblock – medium	9%
7	Midblock - medium/high	10%
8	Local area traffic management	1%
9	Active mode crossing - zebra crossing	0%
10	Footpath	4%
11	4-lane transport corridor	8%
12	Footpath/cycle path retrofit	4%

#### 2.5 Review and Verification

The cost estimates were prepared and reviewed by AT quantity surveys and deemed appropriate for application within a generic brownfield DC policy.







Appendix B – Renewals



Site Clearance & Demolition	UNIT	RATE
Breakout and remove existing kerb	m	45
Breakout and remove existing catchpit	no	1500
Sawcut	m	20
Breakout and remove existing footpath/berm	m2	45
Remove existing trees	no	2000
Earthworks		
Cut to waste	m3	125
Concrete Works		
Raised speed table - concrete	m2	300
Concrete footpath	m2	125
Pram crossing	m2	125
New K&C including subsoil drainage	m	300
5m long concrete cycle separator	no	2500
Tactile pavers	m2	450
New concrete roundabout including concrete infill and kerb and		
nib	m2	175
Vehicle crossing	m2	175
Mountable kerb	m	200
Cycle separators	m	500
Concrete dish channel 400mm wide	m	200
Site clearance	m2	10
Removal of topsoil	m2	45
Traffic island	m2	175
Pavement		
Mill existing	m2	20
Subgrade prep	m2	5
Chipseal	m2	10
40mm DG10	m2	55
Tie-in to existing - bandage seal	m	20
GAP65 Sub-base	m3	175
M4 Basecourse	m3	200
Drainage		
Supply and install new CP, x1 either side of each speed table	no	5500
225mm RCRRJ lead pipe for CP - 2m long	m	475
Upgrade catchpit to cycle friendly grate	no	1500
Aco drain grate	m	1200
Traffic Signals		
JUMA pole	no	10000
3 aspect lantern	no	1050
Pedestrian lantern 2 aspect	no	800
Callbox	no	800
CCTV	LS	
Ducting and cabling	m	500
Scats loop	no	510
•		

Junction box no 175 TSC4 Controller no 25000 Testing and commissioning LS 2000 Power supply connection to existing LS	
Lighting	
Remove existing lightpole and dispose no 1500	
Supply and install new light pole, including trenching, ducting,	
cabling and connections no 12000 Belisha poles no 13000	
Belisha poles no 13000	
Roadmarking & signage	
New signage no	
Road marking LS	
White centreline, 100mm, continuous, long life m 10	
White lane lines, 100mm, continous, long life m 10	
Yellow NSATT line , 100mm, 1m stripe, 1m gap, long life m 12.5	
Green surfacing m2 65	
Signage m 50	
Advanced warning diamond no 350	
Median m 35	
Limit line m 10	
Pedestrian Crossing Zebra Stripes m 50	
Landscaping & Furniture	
Berm - topsoil and grassing m2 110	
200mm Topsoil m2 100	
100mm Garden mix m2 50	
Mulch m2 30	
New tree - medium no 3500	
1.8m high timber fence m 180	
P&G	
Traffic Management 20% Recommend	ded
On-site Overheads 20% 20% Recommend	
Off-site Overheads 10%	
Environmental 3% Recommend	bet



# Intersection upgrade – Low AUCKLAND COUNCIL HOUSING

**Contract No Contract Name** Contractor

Item	Description	Unit	Quantity	Rate	Amount
1	TOTAL TRAFFIC MANAGEMENT				
1.1	Implementation of Traffic Management Plans.	LS	1	_	
	Implementation of Frame Management Flants.		·		_
2	TOTAL ENVIRONMENTAL MANAGEMENT				-
2.1	Implementation of Environmental Management Plan.	LS	1	-	-
					-
3	PHYSICAL WORKS				180,256.25
	Site Clearance & Demolition		00	45.00	0.700.00
	Breakout and remove existing kerb	m	60	45.00	2,700.00
	Breakout and remove existing catchpit Sawcut	no	25	1,500.00 20.00	3,000.00
	Breakout and remove existing footpath/berm	m m2	240	45.00	10,800.00
	breakout and remove existing tootpath/berni	1112	240	45.00	- 10,000.00
	Earthworks				
	Cut to waste	m3	74.45	125.00	9,306.25
		1	7		-
	Concrete Works				-
	Raised speed table - concrete	m2	115	300.00	34,500.00
	Concrete footpath	m2	220	125.00	27,500.00
	New K&C including subsoil drainage	m	60	300.00	18,000.00
	5m long concrete cycle separator	no	8	2,500.00	20,000.00
	Tactile pavers	m2	4	450.00	1,800.00
					-
	Drainage				-
	Supply and install new CP, x1 either side of each speed table	no	2	5,500.00	11,000.00
	225mm RCRRJ lead pipe for CP - 2m long	m	10	475.00	4,750.00
					-
	Lighting				-
	Remove existing lightpole and dispose	no	2	1,500.00	3,000.00
	Supply and install new light pole, including trenching, ducting, cabling and connections	no	2	12,000.00	24,000.00
	Roadmarking & signage				<del>-</del>
	New signage	no	6	400.00	2,400.00
	Road marking	LS	1	5,000.00	5,000.00
			-	-,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	3,2223
	Landscaping & Furniture				-
	Berm - topsoil and grassing	LS	1.00	2,000.00	2,000.00
T1	TOTAL ( <i>Exclusive of On-site Overheads and exclusive of Off-site Overhead and Profit</i> )				180,256.25
T2	TOTAL ON-SITE OVERHEADS	%		20%	36,051.25
T3	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads)				216,307.50
T4	TOTAL OFF-SITE OVERHEAD & PROFIT	%		10%	21,630.75
T5	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads, Off-site	Overhe	ads and Profit)		237,938.25
PS	TOTAL PROVISIONAL SUMS (Clause 12.9)				-
					-
					-
					-
					-
					-
Т6	TOTAL (excluding GST) - TO FORM OF TENDER/TENDER SUMMARY				237,938.25





Α	Net Project property Cost		
В	Project Development Phase		
J	Consultancy Fees	12%	28,552.59
	AT managed costs	6%	14,276.30
	Waka Kotahi managed costs		,
	Kiwirail managed costs		
	Project Development Phase Escalation		
В	Total Project Development:		42,828.89
С	Pre-Implementation Phase		
	Consultancy Fees	10%	23,793.83
	AT managed costs(incl consent fees)	6%	14,276.30
	Waka Kotahi managed costs		
	Kiwirail managed costs		
	Pre-Implementation Phase Escalation		
С	Total Pre-Implementation:		38,070.12
D	Implementation Phase		
D.1	Implementation Fees (MSQA);		
	Consultancy Fees	7%	16,655.68
	AT managed costs	3%	7,138.15
	Waka Kotahi managed costs		
	Kiwirail costs(BOL related, safety personnel, permits etc)	40/	2 270 20
	Consent monitoring fees	1%	2,379.38
	Implementation Phase Fees Escalation  D.1 Subtotal Base Implementation Fees:		26,173.21
	D.1 Subtotal base implementation rees.		20,173.21
D.2	Physical works inc. On-site Overheads, Off-site Overheads & Profit, TM &		237,938.25
5.2	Environmental		237,330.23
	Environmental		
Е	Base Estimate		345,010.46
_			,
F	P50	70%	241,507.32
	P50 TOTAL		586,517.79





# Intersection upgrade – Medium - Roundabout

Contract No AUCKLAND COUNCIL HOUSING Contract Name

Contractor					
	Tender Measure and Value Schedule of Pri	ces			
Item	Description	Unit	Quantity	Rate	Amount
1	TOTAL TRAFFIC MANAGEMENT				
1.1	Implementation of Traffic Management Plans.	LS	1	-	-
					-
2	TOTAL ENVIRONMENTAL MANAGEMENT				-
2.1	Implementation of Environmental Management Plan.	LS	1	-	-
3	PHYSICAL WORKS				457,818.75
	Site Clearance & Demolition				101,01011
	Breakout and remove existing kerb	m	245	45.00	11,025.00
	Breakout and remove existing catchpit	no	6	1,500.00	9,000.00
	Sawcut	m	75	20.00	1,500.00
	Breakout and remove existing footpath/berm	m2	490	45.00	22,050.00
	Earthworks				-
	Cut to waste	m3	149.75	125.00	18,718.75
				120.00	-
	Concrete Works				-
	Raised speed table - concrete	m2	225	300.00	67,500.00
	Concrete footpath	m2	490	125.00	61,250.00
	New K&C including subsoil drainage	m	245	300.00	73,500.00
	Tactile pavers	m2	36	450.00	16,200.00
	New concrete roundabout including concrete infill and kerb and nib	m2	135	175.00	23,625.00
	Drainage				
	Supply and install new CP, x1 either side of each speed table	no	6	5,500.00	33,000.00
	225mm RCRRJ lead pipe for CP - 2m long	m	30	475.00	14,250.00
					-
	Lighting				-
	Remove existing lightpole and dispose	no	6	1,500.00	9,000.00
	Supply and install new light pole, including trenching, ducting, cabling and connections	no	6	12,000.00	72,000.00
					-
	Roadmarking & signage		10	400.00	7 200 00
	New signage  Road marking	no LS	18 1	400.00 15,000.00	7,200.00 15,000.00
	Trodd marking		•	10,000.00	10,000.00
	Landscaping & Furniture				-
	Berm - topsoil and grassing	LS	1.00	3,000.00	3,000.00
T1	TOTAL (Exclusive of On-site Overheads and exclusive of Off-site Overhead and Profit)				457,818.7
T2	TOTAL ON-SITE OVERHEADS	%		20%	91,563.7
Т3	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads)				549,382.50
T4	TOTAL OFF-SITE OVERHEAD & PROFIT	%		10%	54,938.2
T5	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads, Off-site Overheads and Profit)				604,320.75
PS					004,02011
P3	TOTAL PROVISIONAL SUMS (Clause 12.9)				<u> </u>
					<del>-</del>
					-
					-
					-
		-			-
		+			-
					-
	TOTAL (				004 000 55

Α	Net Project property Cost		
В	Project Development Phase		
	Consultancy Fees	12%	72,518.49
	AT managed costs	6%	36,259.25
	Waka Kotahi managed costs		
	Kiwirail managed costs		
	Project Development Phase Escalation		
В	Total Project Development:		108,777.74

TOTAL (excluding GST) - TO FORM OF TENDER/TENDER SUMMARY



604,320.75



С	Pre-Implementation Phase		
	Consultancy Fees	10%	60,432.08
	AT managed costs(incl consent fees)	6%	36,259.25
	Waka Kotahi managed costs		
	Kiwirail managed costs		
	Pre-Implementation Phase Escalation		
С	Total Pre-Implementation:		96,691.32
D	Implementation Phase		
D.1	Implementation Fees (MSQA);		
	Consultancy Fees	7%	42,302.45
	AT managed costs	3%	18,129.62
	Waka Kotahi managed costs		
	Kiwirail costs(BOL related, safety personnel, permits etc)		
	Consent monitoring fees	1%	6,043.21
	Implementation Phase Fees Escalation		
	D.1 Subtotal Base Implementation Fees:		66,475.28
D.2	Physical works inc. On-site Overheads, Off-site Overheads & Profit, TM & Environmental		604,320.75
Е	Base Estimate		876,265.09
F	P50	70%	613,385.56
	P50 TOTAL		1,489,650.65





# Intersection upgrade – Medium - Signals

Contract No AUCKLAND COUNCIL HOUSING

**Contract Name Contractor** 

Item	Description	Unit	Quantity	Rate	Amount
1	TOTAL TRAFFIC MANAGEMENT				-
1.1	Implementation of Traffic Management Plans.	LS	1	-	-
2	TOTAL ENVIRONMENTAL MANAGEMENT				<u> </u>
2.1	Implementation of Environmental Management Plan.	LS	1	-	<u> </u>
			·		-
3	PHYSICAL WORKS				577,530.0
	Site Clearance & Demolition				
	Breakout and remove existing kerb	m	230.00	45.00	10,350.0
	Breakout and remove existing catchpit Sawcut	no	2.00 30.00	1,500.00 20.00	3,000.0
	Breakout and remove existing footpath/berm	m m2	356.00	45.00	16,020.0
	Breakedt and remove existing recipative emi	1112	000.00	40.00	-
	Earthworks				-
	Cut to waste	m3	93.60	125.00	11,700.0
					-
_	Concrete Works				-
	Concrete footpath	m2	468.00	125.00	58,500.0
	Pram crossing	m2	72.00	125.00	9,000.0
	New K&C including subsoil drainage	m	235.00	300.00	70,500.0
	Tactile pavers	m2	24.00	450.00	10,800.0
	Pavement				
	Mill existing	m2	1,200.00	20.00	24,000.0
	Subgrade prep	m2	1,200.00	5.00	6,000.0
	Chipseal	m2	1200	10.00	12,000.0
	40mm DG10	m2	1200	55.00	66,000.0
	Tie-in to existing - bandage seal	m	35	20.00	700.0
	Drainage				
	Drainage Supply and install new CP	no	2	5,500.00	11,000.0
	225mm RCRRJ lead pipe for CP - 2m long	m	10	475.00	4,750.0
					-
	Traffic Signals				-
	JUMA pole	no	6	10,000.00	60,000.0
	3 aspect lantern	no	12	1,050.00	12,600.0
	Pedestrian lantern 2 aspect	no	6	800.00	4,800.0
	Callbox	no	6	800.00	4,800.0
	Ducting and cabling	no m	1 150	10,000.00 500.00	10,000.0 75,000.0
	Scats loop	no	6	510.00	3,060.0
	Junction box	no	2	175.00	350.0
	TSC4 Controller	no	1	25,000.00	25,000.0
	Testing and commissioning	LS	1	2,000.00	2,000.0
	Power supply connection to existing	LS	1	20,000.00	20,000.0
	Roadmarking & signage				
	New signage	LS	1	15,000.00	15,000.0
	Road marking	LS	1	30,000.00	30,000.0
					·
T1	TOTAL ( <i>Exclusive of On-site Overheads and exclusive of Off-site Overhead and Profit</i> )				577,530.0
T2	TOTAL ON-SITE OVERHEADS	%		20%	115,506.0
Т3	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads)				693,036.0
T4	TOTAL OFF-SITE OVERHEAD & PROFIT	%		10%	69,303.6
T5	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads, Off-s	ite Overhea	ds and Profit)		762,339.6





PS	TOTAL PROVISIONAL SUMS (Clause 12.9)		-
			-
			-
			-
			-
			-
			-
			-
			-
			-
T6	TOTAL (excluding GST) - TO FORM OF TENDER/TENDER SUMMARY		762,339.60

Α	Net Project property Cost		
В	Duciest Development Phase		
В	Project Development Phase Consultancy Fees	12%	91,480.75
	AT managed costs	6%	45,740.38
	Waka Kotahi managed costs	070	45,740.56
	Kiwirail managed costs		
	Project Development Phase Escalation		
В	Total Project Development:		137,221.13
С	Pre-Implementation Phase		
	Consultancy Fees	10%	76,233.96
	AT managed costs(incl consent fees)	6%	45,740.38
	Waka Kotahi managed costs		
	Kiwirail managed costs		
	Pre-Implementation Phase Escalation		
С	Total Pre-Implementation:		121,974.34
_			
D	Implementation Phase		
D.1	Implementation Fees (MSQA);	70/	F2 262 77
	Consultancy Fees	7%	53,363.77
	AT managed costs	3%	22,870.19
	Waka Kotahi managed costs		
	Kiwirail costs(BOL related, safety personnel, permits etc) Consent monitoring fees	1%	7,623.40
	Implementation Phase Fees Escalation	1/0	7,023.40
	D.1 Subtotal Base Implementation Fees:		83,857.36
	D.1 Subtotal Buse Implementation (ees.		03,037.30
D.2	Physical works inc. On-site Overheads, Off-site Overheads & Profit, TM &		762,339.60
	Environmental		•
E	Base Estimate		1,105,392.42
F	P50	70%	773,774.69
	P50 TOTAL		1,879,167.11





# Intersection upgrade – Medium/High -

Contract No
Contract Name
Contractor

			<u> </u>	
Tandar	Maacura	and Value	Schadula	of Prices

ltem	Description	Unit	Quantity	Rate	Amount
1	TOTAL TRAFFIC MANAGEMENT				_
1.1	Implementation of Traffic Management Plans.	LS	1	-	-
					-
2	TOTAL ENVIRONMENTAL MANAGEMENT				-
2.1	Implementation of Environmental Management Plan.	LS	1	-	-
					-
3	PHYSICAL WORKS				581,725.00
	Site Clearance & Demolition				
	Breakout and remove existing kerb	m	240	45.00	10,800.00
	Breakout and remove existing catchpit	no	8	1,500.00	12,000.00
	Sawcut	m	100	20.00	2,000.00
	Breakout and remove existing footpath/berm	m2	480	45.00	21,600.00
	Earthworks				
	Cut to waste	m3	165.00	125.00	20,625.00
	Out to waste	1110	100.00	123.00	20,023.00
	Concrete Works				_
	Raised speed table - concrete	m2	300	300.00	90,000.00
	Concrete footpath	m2	480	125.00	60,000.00
	New K&C including subsoil drainage	m	240	300.00	72,000.00
	Tactile pavers	m2	48	450.00	21,600.00
	New concrete roundabout including concrete infill and kerb and nib	m2	380	175.00	66,500.00
	·				-
	Drainage				-
	Supply and install new CP, x1 either side of each speed table	no	8	5,500.00	44,000.00
	225mm RCRRJ lead pipe for CP - 2m long	m	40	475.00	19,000.00
					-
	Lighting				-
	Remove existing lightpole and dispose	no	8	1,500.00	12,000.00
	Supply and install new light pole, including trenching, ducting, cabling and connections	no	8	12,000.00	96,000.00
	Roadmarking & signage				-
	New signage	no	24	400.00	9,600.00
	Road marking	LS	1	20,000.00	20,000.00
	Troud manning		'	20,000.00	20,000.00
	Landscaping & Furniture				-
	Berm - topsoil and grassing	LS	1.00	4,000.00	4,000.00
T1	TOTAL ( <i>Exclusive of On-</i> site Overheads and exclusive of Off-site Overhead and Profit)				581,725.00
T2	TOTAL ON-SITE OVERHEADS	%		20%	116,345.00
Т3	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads)				698,070.00
T4	TOTAL OFF-SITE OVERHEAD & PROFIT	%		10%	69,807.00
T5	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads, Off-site O	Overhea	ds and Profit)		767,877.00
PS	TOTAL PROVISIONAL SUMS (Clause 12.9)				-
					-
					-
					-
					-
					-
					-
T6	TOTAL (excluding GST) - TO FORM OF TENDER/TENDER SUMMARY				767,877.00





Α	Net Project property Cost		
В	Project Development Phase		
	Consultancy Fees	12%	92,145.24
	AT managed costs	6%	46,072.62
	Waka Kotahi managed costs		
	Kiwirail managed costs		
	Project Development Phase Escalation		
В	Total Project Development:		138,217.86
С	Pre-Implementation Phase		
	Consultancy Fees	10%	76,787.70
	AT managed costs(incl consent fees)	6%	46,072.62
	Waka Kotahi managed costs		
	Kiwirail managed costs		
	Pre-Implementation Phase Escalation		400.050.00
С	Total Pre-Implementation:		122,860.32
D	Implementation Phase		
D.1	Implementation Fees (MSQA);		
	Consultancy Fees	7%	53,751.39
	AT managed costs	3%	23,036.31
	Waka Kotahi managed costs		
	Kiwirail costs(BOL related, safety personnel, permits etc)		
	Consent monitoring fees	1%	7,678.77
	Implementation Phase Fees Escalation		
	D.1 Subtotal Base Implementation Fees:		84,466.47
D 2	District and the Control of the Official Control of Decity TAA Control		767.077.00
D.2	Physical works inc. On-site Overheads, Off-site Overheads & Profit, TM &		767,877.00
	Environmental		
Е	Base Estimate		1,113,421.65
F	P50	70%	779,395.16
	P50 TOTAL		1,892,816.81





# Intersection upgrade - Medium/High - Signals

Contract No
Contract Name
Contractor

**AUCKLAND COUNCIL HOUSING** 

Item	Description	Unit	Quantity	Rate	Amount
1	TOTAL TRAFFIC MANAGEMENT				-
1.1	Implementation of Traffic Management Plans.	LS	1	-	-
2	TOTAL ENVIRONMENTAL MANAGEMENT				-
2.1	Implementation of Environmental Management Plan.	LS	1	<u>-</u>	-
					-
3	PHYSICAL WORKS				744,717.50
	Project 3	LS	1.00	577,530.00	577,530.00
	. rejecte			311,000.00	-
	Lighting				-
	Remove existing lightpole and dispose	no	8.00	1,500.00	12,000.00
	Supply and install new light pole, including trenching, ducting, cabling and	no	8.00	12,000.00	96,000.00
	Services				-
	Relocate services - minor	LS	1.00	50,000.00	50,000.00
					-
	Concrete Works				-
	Vehicle crossing	m2	52.50	175.00	9,187.50
T1	TOTAL ( <i>Exclusive of On-site Overheads and exclusive of Off-site Overhead and Profit</i> )				744,717.50
T2	TOTAL ON-SITE OVERHEADS	%		20%	148,943.50
Т3	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads)				893,661.00
T4	TOTAL OFF-SITE OVERHEAD & PROFIT	%		10%	89,366.10
T5	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads, Off-site		eads and Profit)		983,027.10
PS	TOTAL PROVISIONAL SUMS (Clause 12.9)				000,027.10
PS	TOTAL PROVISIONAL SUMS (Clause 12.9)				-
					-
					-
					-
					-
					-
					-
					-
T6	TOTAL (excluding GST) - TO FORM OF TENDER/TENDER SUMMARY				983,027.10





Α	Net Project property Cost		
В	Project Development Phase		
	Consultancy Fees	12%	117,963.25
	AT managed costs	6%	58,981.63
	Waka Kotahi managed costs		
	Kiwirail managed costs		
_	Project Development Phase Escalation		
В	Total Project Development:		176,944.88
	Book and the state of the state		
С	Pre-Implementation Phase	100/	00 000 74
	Consultancy Fees	10%	98,302.71
	AT managed costs(incl consent fees)	6%	58,981.63
	Waka Kotahi managed costs		
	Kiwirail managed costs		
С	Pre-Implementation Phase Escalation		457 204 24
C	Total Pre-Implementation:		157,284.34
D	Implementation Phase		
D.1	Implementation Friase Implementation Fees (MSQA);		
<b>D.1</b>	Consultancy Fees	7%	68,811.90
	AT managed costs	3%	29,490.81
	Waka Kotahi managed costs	370	25,450.01
	Kiwirail costs(BOL related, safety personnel, permits etc)		
	Consent monitoring fees	1%	9,830.27
	Implementation Phase Fees Escalation	170	3,030.27
	D.1 Subtotal Base Implementation Fees:		108,132.98
D.2	Physical works inc. On-site Overheads, Off-site Overheads & Profit, TM &		983,027.10
	Environmental		
Е	Base Estimate		1,425,389.30
F	P50	70%	997,772.51
	P50 TOTAL		2,423,161.80





# Intersection upgrade - High - Roundabout

Contract No
Contract Name
Contractor

Tandar Magaura	and Value Sc	hadula of	Dricos

Item	Description	Unit	Quantity	Rate	Amount
1	TOTAL TRAFFIC MANAGEMENT				•
1.1	Implementation of Traffic Management Plans.	LS	1	-	-
2	TOTAL ENVIRONMENTAL MANAGEMENT				-
2.1	Implementation of Environmental Management Plan.	LS	1	_	-
2.1	implementation of Environmental Management Flan.		1	-	
3	PHYSICAL WORKS				1,128,950.00
	Site Clearance & Demolition				
	Breakout and remove existing footpath/berm/traffic island	m2	1,500.00	45.00	67,500.00
	Breakout and remove existing kerb & channel	m	270.00	45.00	12,150.00
	Breakout and remove existing catchpit	no	12.00	1,500.00	18,000.00
	Remove existing signs	LS	1.00	20,000.00	20,000.00
	Remove existing roadmarking	LS	1.00	20,000.00	20,000.00
	Remove existing trees	no	5.00	2,000.00	10,000.00
	General site clearance	LS	1.00	10,000.00	10,000.00
	<u> </u>				-
	Earthworks		200.00	105.00	-
	Cut to waste	m3	380.00	125.00	47,500.00
	Pavement Works				-
	Remediate exisiting				-
	Mill existing surface	m2	3,600.00	20.00	72,000.00
	Sawcut	m	70.00	20.00	1,400.00
	Subgrade prep	m2	3,600.00	5.00	18,000.00
	Chipseal	m2	3,600.00	10.00	36,000.00
	40mm DG10	m2	3,600.00	55.00	198,000.00
	Tie-in to existing - bandage seal	m	70	20.00	1,400.00
					-
	New Pavement Layer				-
	300mm GAP65	m3	120.00	175.00	21,000.00
	200mm M4 Basecourse	m3	80.00	200.00	16,000.00
	Chipseal	m2	400.00	10.00	4,000.00
	40mm DG10	m2	400.00	55.00	22,000.00
					-
	RAB				-
	300mm GAP65	m3	150.00	175.00	26,250.00
	RAB mountable kerb	m	80.00	200.00	16,000.00
	200mm Topsoil	m2	500.00	100.00	50,000.00
	100mm Garden mix Mulch	m2 m2	500.00 500.00	50.00 30.00	25,000.00 15,000.00
	IVILICIT	1112	500.00	30.00	15,000.00
	Concrete Works				
	Concrete footpath	m2	400.00	125.00	50,000.00
	Vehicle crossings	m2	50.00	175.00	8,750.00
	New K&C including subsoil drainage	m	205.00	300.00	61,500.00
					· · · · · · · · · · · · · · · · · · ·
	Drainage				-
	Supply and install new CP, x1 either side of each road	no	12.00	5,500.00	66,000.00
	225mm RCRRJ lead pipe for CP - 2m long	m	60.00	475.00	28,500.00
	Lighting				-
	Remove existing lightpole and dispose	no	12.00	1,500.00	18,000.00
	Supply and install new light pole, including trenching, ducting, cabling and	no	12.00	12,000.00	144,000.00





	Roadmarking & signage	LS	1	20,000.00	20,000.00
					-
	Landscaping & Furniture				-
	Berm - topsoil and grassing	LS	1.00	5,000.00	5,000.00
					-
T1	TOTAL (Exclusive of On-site Overheads and exclusive of Off-site Overhead and Profit)				1,128,950.00
T2	TOTAL ON-SITE OVERHEADS	%		20%	225,790.00
T3	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads)				1,354,740.00
T4	TOTAL OFF-SITE OVERHEAD & PROFIT	%		10%	135,474.00
T5	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads, Off-site	Overhea	ds and Profit)		1,490,214.00
PS	TOTAL PROVISIONAL SUMS (Clause 12.9)				•
					1
					-
					-
					-
					-
					-
					-
					-
Т6	TOTAL (excluding GST) - TO FORM OF TENDER/TENDER SUMMARY				1,490,214.00

Α	Net Project property Cost		
В	Project Development Phase		
Б	Consultancy Fees	12%	178,825.68
	AT managed costs	6%	89,412.84
	Waka Kotahi managed costs	070	05,412.04
	Kiwirail managed costs		
	Project Development Phase Escalation		
В	Total Project Development:		268,238.52
	Total Troject Bevelopment.		200,230.32
С	Pre-Implementation Phase		
	Consultancy Fees	10%	149,021.40
	AT managed costs(incl consent fees)	6%	89,412.84
	Waka Kotahi managed costs		
	Kiwirail managed costs		
	Pre-Implementation Phase Escalation		
С	Total Pre-Implementation:		238,434.24
D	Implementation Phase		
D.1	Implementation Fees (MSQA);		
	Consultancy Fees	7%	104,314.98
	AT managed costs	3%	44,706.42
	Waka Kotahi managed costs		
	Kiwirail costs(BOL related, safety personnel, permits etc)		
	Consent monitoring fees	1%	14,902.14
	Implementation Phase Fees Escalation		
	D.1 Subtotal Base Implementation Fees:		163,923.54
5.2	Physical words in a Octob Coord and Official Octob and Official TAA		4 400 244 00
D.2	Physical works inc. On-site Overheads, Off-site Overheads & Profit, TM &		1,490,214.00
	Environmental		
Е	Base Estimate		2,160,810.30
_	Dage Edifface		2,100,010.30
F	P50	70%	1,512,567.21
	P50 TOTAL	. 3,5	3,673,377.51
	100 10 11		2,0.0,001





# Intersection upgrade - High - Traffic Signals

Contract No
Contract Name
Contractor

Tondor	Measure and	Value 8	chadula of	Dricas

	Tender Measure and Value Schedule of Prices					
Item	Description	Unit	Quantity	Rate	Amount	
1	TOTAL TRAFFIC MANAGEMENT				-	
1.1	Implementation of Traffic Management Plans.	LS	1	-	-	
					-	
2	TOTAL ENVIRONMENTAL MANAGEMENT				•	
2.1	Implementation of Environmental Management Plan.	LS	1	-	-	
					-	
3	PHYSICAL WORKS				1,412,080.00	
	Site Clearance & Demolition					
	Breakout and remove existing footpath/berm/traffic island	m2	665.00	45.00	29,925.00	
	Breakout and remove existing kerb & channel	m	315.00	45.00	14,175.00	
	Breakout and remove existing catchpit	no	10.00	1,500.00	15,000.00	
	Remove existing signs	LS	1.00	20,000.00	20,000.00	
	Remove existing roadmarking	LS	1.00	20,000.00	20,000.00	
	General site clearance	LS	1.00	10,000.00	10,000.00	
					-	
	Earthworks				-	
	Cut to waste	m3	520.00	125.00	65,000.00	
					-	
	Pavement Works				-	
	Remediate exisitng					
	Mill existing surface	m2	3,300.00	20.00	66,000.00	
	Sawcut	m	60.00	20.00	1,200.00	
	Subgrade prep	m2	3,300.00	5.00	16,500.00	
	Chipseal	m2	3,300.00	10.00	33,000.00	
	40mm DG10	m2	3,300.00	55.00	181,500.00	
	Tie-in to existing - bandage seal	m	60.00	20.00	1,200.00	
					-	
	New Pavement Layer				-	
	300mm GAP65	m3	240.00	175.00	42,000.00	
	200mm M4 Basecourse	m3	160.00	200.00	32,000.00	
	Chipseal	m2	800.00	10.00	8,000.00	
	40mm DG10	m2	800.00	55.00	44,000.00	
					-	
	RAB		20.00	175.00	-	
	300mm GAP65	m3	90.00	175.00	15,750.00	
	RAB mountable kerb	m	60.00	200.00	12,000.00	
	200mm Topsoil	m2	300.00	100.00	30,000.00	
	100mm Garden mix	m2	300.00	50.00	15,000.00	
	Mulch	m2	300.00	30.00	9,000.00	
	Compared Works				-	
	Concrete Works	p=0	600.00	125.00	75,000,00	
	Concrete footpath	m2			75,000.00	
	Kerb & channel	m	300.00	300.00	90,000.00	
	Drainage					
	Drainage Supply and install naw CD, v1 either side of each road	-	10.00	F F00 00	- FF 000 00	
	Supply and install new CP, x1 either side of each road	no	10.00	5,500.00	55,000.00	
	225mm RCRRJ lead pipe for CP - 2m long	m	50.00	475.00	23,750.00	
	Lighting				-	
	Lighting  Supply and install pay light note including transhing dusting applied and		40.00	40.000.00	-	
	Supply and install new light pole, including trenching, ducting, cabling and	no	12.00	12,000.00	144,000.00	
	Tantiin Cinnale				-	
	Traffic Signals	-			-	
	per road			F 500 00	-	
	JUMA, including luminaire and lantern	no	2	5,500.00		





	3 aspect lantern	no	4	1,050.00	
	Pedestrian lantern 2 aspect	no	2	800.00	
	Callbox	no	2	800.00	
	Scats loop	no	2	510.00	
	Ducting & cabling	m	50	500.00	
	CCTV	LS	1	1,500.00	
	Junction box	no	2	175.00	
	TSC4 Controller	no	1	25,000.00	
	Testing and commissioning	LS	1	2,000.00	
	Power supply connection to existing	LS	1	5,000.00	313,080.00
	Roadmarking & signage	LS	1	20,000.00	20,000.00
					-
	Landscaping & Furniture				-
	Berm - topsoil and grassing	LS	1.00	10,000.00	10,000.00
T1	TOTAL (Exclusive of On-site Overheads and exclusive of Off-site				4 440 000 00
11	Overhead and Profit)				1,412,080.00
T2	TOTAL ON-SITE OVERHEADS	%		20%	282,416.00
Т3	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads)				1,694,496.00
T4	TOTAL OFF-SITE OVERHEAD & PROFIT	%		10%	169,449.60
T5	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads, Off-sit	e Overhe	eads and Profit)		1,863,945.60
PS	TOTAL PROVISIONAL SUMS (Clause 12.9)				•
					-
					-
					-
					-
					-
					-
	TOTAL (excluding GST) - TO FORM OF TENDER/TENDER SUMMARY				

	Net Businst was a subsection		
Α	Net Project property Cost		
В	Project Development Phase		
J	Consultancy Fees	12%	223,673.47
	AT managed costs	6%	111,836.74
	Waka Kotahi managed costs		
	Kiwirail managed costs		
	Project Development Phase Escalation		
В	Total Project Development:		335,510.21
С	Pre-Implementation Phase		
	Consultancy Fees	10%	186,394.56
	AT managed costs(incl consent fees)	6%	111,836.74
	Waka Kotahi managed costs		
	Kiwirail managed costs		
	Pre-Implementation Phase Escalation		
С	Total Pre-Implementation:		298,231.30
D	Implementation Phase		
D.1	Implementation Fees (MSQA);		
<b>D.1</b>	Consultancy Fees	7%	130,476.19
	AT managed costs	3%	55,918.37
	Waka Kotahi managed costs	• • • • • • • • • • • • • • • • • • • •	00,010.07
	Kiwirail costs(BOL related, safety personnel, permits etc)		
	Consent monitoring fees	1%	18,639.46
	Implementation Phase Fees Escalation		
	D.1 Subtotal Base Implementation Fees:		205,034.02
D.2	Physical works inc. On-site Overheads, Off-site Overheads & Profit, TM &		1,863,945.60
	Environmental		
E	Base Estimate		2,702,721.12
-	DE0	700/	4 004 004 =0
F	P50	70%	1,891,904.78
	P50 TOTAL		4,594,625.90





### Midblock - Low

Contract No
Contract Name
Contractor

**AUCKLAND COUNCIL HOUSING** 

Item	Description	Unit	Quantity	Rate	Amount
1	TOTAL TRAFFIC MANAGEMENT				
1.1	Implementation of Traffic Management Plans.	LS	1	-	-
					-
2	TOTAL ENVIRONMENTAL MANAGEMENT				-
2.1	Implementation of Environmental Management Plan.	LS	1	-	-
					-
3	PHYSICAL WORKS				1,977,625.00
	Site Clearance & Demolition				
	Breakout and remove existing footpath/berm	m2	4000	45.00	180,000.00
	Remove existing signs	LS	1	20,000.00	20,000.00
	Remove existing roadmarking	LS	1	20,000.00	20,000.00
	General site clearance	LS	1	10,000.00	10,000.00
					-
	Concrete Works				-
	Cycle separators	m	2000	500.00	1,000,000.00
	Concrete footpath	m2	4000	125.00	500,000.00
					-
	Drainage				-
	Upgrade catchpit to cycle friendly grate	no	50	1,500.00	75,000.00
					-
	Roadmarking & signage				-
	White centreline, 100mm, continuous, long life	m	2,000.00	10.00	20,000.00
	White lane lines, 100mm, continous, long life	m	4,000.00	10.00	40,000.00
	Yellow NSATT line , 100mm, 1m stripe, 1m gap, long life	m	850	12.50	10,625.00
	Green surfacing	m2	800	65.00	52,000.00
	Signage	m	1000	50.00	50,000.00
					-
T1	TOTAL ( <i>Exclusive of On-site Overheads and exclusive of Off-site Overhead and Profit</i> )				1,977,625.00
T2	TOTAL ON-SITE OVERHEADS	%		20%	395,525.00
Т3	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads)				2,373,150.00
T4	TOTAL OFF-SITE OVERHEAD & PROFIT	%		10%	237,315.00
T5	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads, Off-si	te Overh	neads and Profit	)	2,610,465.00
PS	TOTAL PROVISIONAL SUMS (Clause 12.9)				-
					-
					-
					-
Т6	TOTAL (excluding GST) - TO FORM OF TENDER/TENDER SUMMARY				2,610,465.00
	TO THE (CAGGGGING COT) - TO TOTAL OF TENDER TENDER SOMMART				2,010,400.00





Α	Net Project property Cost		
В	Project Development Phase		
	Consultancy Fees	12%	313,255.80
	AT managed costs	6%	156,627.90
	Waka Kotahi managed costs		
	Kiwirail managed costs		
	Project Development Phase Escalation		
В	Total Project Development:		469,883.70
С	Pre-Implementation Phase		
	Consultancy Fees	10%	261,046.50
	AT managed costs(incl consent fees)	6%	156,627.90
	Waka Kotahi managed costs		
	Kiwirail managed costs		
_	Pre-Implementation Phase Escalation		
С	Total Pre-Implementation:		417,674.40
	lungle manufation Phase		
D D.1	Implementation Phase		
D.1	Implementation Fees (MSQA);	7%	102 722 55
	Consultancy Fees	7% 3%	182,732.55
	AT managed costs Waka Kotahi managed costs	3%	78,313.95
	Kiwirail costs(BOL related, safety personnel, permits etc)		
	Consent monitoring fees	1%	26,104.65
	Implementation Phase Fees Escalation	1/0	20,104.03
	D.1 Subtotal Base Implementation Fees:		287,151.15
	D.1 Subtotal base implementation rees.		207,131.13
D.2	Physical works inc. On-site Overheads, Off-site Overheads & Profit, TM &		2,610,465.00
	Environmental		_,,,,
E	Base Estimate		3,785,174.25
F	P50	70%	2,649,621.98
	P50 TOTAL		6,434,796.23





### Midblock - Medium

Contract No
Contract Name
Contractor

**AUCKLAND COUNCIL HOUSING** 

Tender Measure and Value Schedule of Prices					
Item	Description	Unit	Quantity	Rate	Amount
1	TOTAL TRAFFIC MANAGEMENT				
1.1	Implementation of Traffic Management Plans.	LS	1	_	_
1.1	implementation of traine management rians.		· ·	_	
2	TOTAL ENVIRONMENTAL MANAGEMENT				_
2.1	Implementation of Environmental Management Plan.	LS	1	_	-
2.1	implementation of Environmental Management Flam.		'	_	
3	PHYSICAL WORKS				4,146,175.00
	Site Clearance & Demolition				.,,
	Breakout and remove existing footpath/berm	m2	3,900.00	45.00	175,500.00
	Breakout and remove existing kerb & channel	m	1,000.00	45.00	45,000.00
	Breakout and remove existing catchpit	no	25.00	1,500.00	37,500.00
	Remove existing signs	LS	1.00	20,000.00	20,000.00
	Remove existing signs  Remove existing roadmarking	LS	1.00	20,000.00	20,000.00
	General site clearance	LS		10,000.00	· · · · · · · · · · · · · · · · · · ·
	<del>-</del>		1.00	,	10,000.00
	Mill existing pavement for new FP	m2	4,800.00	20.00	96,000.00
	<u> </u>				-
	Earthworks		4 7 40 00	105.00	-
	Cut to waste - new FP area	m3	1,740.00	125.00	217,500.00
					-
	Concrete Works				-
	Concrete footpath	m2	5,662.50	125.00	707,812.50
	Vehicle crossings	m2	437.50	175.00	76,562.50
	Kerb & channel	m	1,000.00	300.00	300,000.00
	Zebra crossing	no	3.00	37,100.00	111,300.00
	400mm wide concrete dish channel	m	2,000.00	200.00	400,000.00
					-
	Pavement				-
	Mill existing	m2	7,000.00	20.00	140,000.00
	Subgrade prep	m2	7,000.00	5.00	35,000.00
	Chipseal	m2	7,000.00	10.00	70,000.00
	40mm DG10	m2	7,000.00	55.00	385,000.00
	Tie-in to existing - bandage seal	m	1,000.00	20.00	20,000.00
			,		·
	Drainage				-
	Upgrade catchpit to cycle friendly grate	no	25.00	1,500.00	37,500.00
				•	_
	Lighting				_
	Remove existing lightpole and dispose	no	34.00	1,500.00	51,000.00
	Supply and install new light pole, including trenching, ducting, cabling and	no	34.00	12,000.00	408,000.00
	Cappy, and meaning agree poor, meaning a creaming, a country and			,000.00	,
	Roadmarking & signage				_
	White centreline, 100mm, continuous, long life	m	1,000.00	10.00	10,000.00
	White lane lines, 100mm, continous, long life	m	1,000.00	10.00	10,000.00
	Yellow NSATT line , 100mm, 1m stripe, 1m gap, long life	m	1,000.00	12.50	12,500.00
	Green surfacing	m2	800.00	65.00	52,000.00
			1,000.00	50.00	50,000.00
	Signage	m	1,000.00	50.00	50,000.00
	Landaganing and Eurniture				
	Landscaping and Furniture		0.00	20,000,00	00 000 00
	Remove existing bus shelter and replace - 2.2x4.2m including concrete	no	3.00	30,000.00	90,000.00
	Berm - topsoil and grassing  Tree - medium size - including tree pit	m2	1,800.00 100.00	110.00 3,500.00	198,000.00 350,000.00
	General planting	no LS	1.00	10,000.00	10,000.00
	General planting	LO	1.00	10,000.00	10,000.00
T1	TOTAL (Exclusive of On-site Overheads and exclusive of Off-site				4,146,175.00





T2	TOTAL ON-SITE OVERHEADS	%		20%	829,235.00
Т3	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads)				4,975,410.00
T4	TOTAL OFF-SITE OVERHEAD & PROFIT	%		10%	497,541.00
T5	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads, Off-site	Overh	neads and Profit)		5,472,951.00
PS	TOTAL PROVISIONAL SUMS (Clause 12.9)				-
					-
					-
					-
					-
					-
					-
Т6	TOTAL (excluding GST) - TO FORM OF TENDER/TENDER SUMMARY				5,472,951.00

Α	Net Project property Cost		
В	Project Development Phase		
	Consultancy Fees	12%	656,754.12
	AT managed costs	6%	328,377.06
	Waka Kotahi managed costs		
	Kiwirail managed costs		
0	Project Development Phase Escalation		005 121 10
В	Total Project Development:		985,131.18
С	Pre-Implementation Phase		
C	Consultancy Fees	10%	547,295.10
	AT managed costs(incl consent fees)	6%	328,377.06
	Waka Kotahi managed costs	070	320,377.00
	Kiwirail managed costs		
	Pre-Implementation Phase Escalation		
С	Total Pre-Implementation:		875,672.16
D	Implementation Phase		
D.1	Implementation Fees (MSQA);		
	Consultancy Fees	7%	383,106.57
	AT managed costs	3%	164,188.53
	Waka Kotahi managed costs		
	Kiwirail costs(BOL related, safety personnel, permits etc)		
	Consent monitoring fees	1%	54,729.51
	Implementation Phase Fees Escalation		
	D.1 Subtotal Base Implementation Fees:		602,024.61
D.2	Physical works in a On site Overhoods Off site Overhoods & Bustit TAA		E 472 0E1 00
D.Z	Physical works inc. On-site Overheads, Off-site Overheads & Profit, TM & Environmental		5,472,951.00
	Environmental		
Е	Base Estimate		7,935,778.95
_	buse Estimate		7,555,776.55
F	P50	70%	5,555,045.27
	P50 TOTAL	. 5, 5	13,490,824.22
			, ,-





# Midblock - High

Contract No
Contract Name
Contractor

Tender Measure and Value Schedule of Price			_															
	10	CO	Dи		Ш	<b>7</b>	20	C	110	N۷	10	21	ro	CI	Mos	Or.	one	_

	Tender Measure and Value Schedule of Price	:5				
Item	Description	Unit	Quantity	Rate	Amount	
1	TOTAL TRAFFIC MANAGEMENT				-	
1.1	Implementation of Traffic Management Plans.	LS	1	-	-	
					-	
2	TOTAL ENVIRONMENTAL MANAGEMENT				-	
2.1	Implementation of Environmental Management Plan.	LS	1	-	-	
					-	
2	PHYSICAL WORKS				0.070.004.00	
3	Site Clearance & Demolition				6,873,384.00	
	Breakout and remove existing footpath/berm	m2	10,000.00	45.00	450,000.00	
	Breakout and remove existing lootpatil/berni  Breakout and remove existing kerb & channel		2,000.00	45.00	90,000.00	
	Breakout and remove existing kerb & channel  Breakout and remove existing catchpit	m	50.00	1,500.00	75,000.00	
	Remove existing signs	no LS	1.00	·	20,000.00	
		LS		20,000.00	· · · · · · · · · · · · · · · · · · ·	
	Remove existing roadmarking  General site clearance	LS	1.00	20,000.00 10,000.00	20,000.00	
				20.00	· · · · · · · · · · · · · · · · · · ·	
	Mill existing pavement for new FP area	m2	3,400.00	20.00	68,000.00	
	Earthworks				<del>-</del>	
	Cut to waste	m3	2,680.00	125.00	335,000.00	
	Cut to waste	1113	2,080.00	125.00	333,000.00	
	Pavement Works				<u> </u>	
	Mill existing surface	m2	9,600.00	20.00	192,000.00	
	Sawcut	m	2,000.00	20.00	40,000.00	
	Subgrade prep	m2	9,600.00	5.00	48,000.00	
	Chipseal	m2	9,600.00	10.00	96,000.00	
	40mm DG10	m2	9,600.00	55.00	528,000.00	
	Tie-in to existing - bandage seal	m	19.20	20.00	384.00	
	Tie-iii to existing - bandage seal		19.20	20.00	304.00	
	Concrete Works					
	Concrete footpath	m2	7,125.00	125.00	890,625.00	
	Vehicle crossings	m2	875.00	175.00	153,125.00	
	Kerb & channel	m	2,000.00	300.00	600,000.00	
	400mm wide dish channel	m	2,000.00	200.00	400,000.00	
	Total Wide dish channel		2,000.00	200.00	400,000.00	
	Drainage					
	Supply and install new CP, x1 either side of each speed table	no	50.00	5,500.00	275,000.00	
	225mm RCRRJ lead pipe for CP - 2m long	m	250.00	475.00	118,750.00	
	Zzomin repart load pipe for or Zin long		200.00	170.00	-	
	Lighting					
	Remove existing lightpole and dispose	no	68.00	1,500.00	102,000.00	
	Supply and install new light pole, including trenching, ducting, cabling and	no	68.00	12,000.00	816,000.00	
	11.7, and all and a second and a second	1	33.03	,000.00	2.0,000.00	
	Roadmarking & signage					
	White centreline, 100mm, continuous, long life	m	1,000.00	10.00	10,000.00	
	White lane lines, 100mm, continuous, long life	m	1,000.00	10.00	10,000.00	
	Yellow NSATT line , 100mm, 1m stripe, 1m gap, long life	m	1,000.00	12.50	12,500.00	
	Green surfacing	m2	800.00	65.00	52,000.00	
	Signage	m	1,000.00	50.00	50,000.00	
			,		-	
	Landscaping & Furniture					
	Remove existing bus shelter and replace - 2.2x4.2m including concrete	no	6.00	30,000.00	180,000.00	
	foundation slab			·		
	Berm - topsoil and grassing	m2	4,600.00	110.00	506,000.00	
	Tree - medium size - including tree pit	no	200.00	3,500.00	700,000.00	
	General planting	LS	1.00	25,000.00	25,000.00	
					-	





T1	TOTAL ( <i>Exclusive of On-site Overheads and exclusive of Off-site Overhead and Profit</i> )				6,873,384.00
T2	TOTAL ON-SITE OVERHEADS	%		20%	1,374,676.80
Т3	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads)				8,248,060.80
T4	TOTAL OFF-SITE OVERHEAD & PROFIT	%		10%	824,806.08
T5	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads, Off-site	Overhea	ds and Profit)		9,072,866.88
PS	TOTAL PROVISIONAL SUMS (Clause 12.9)				-
					-
					-
Т6	TOTAL (excluding GST) - TO FORM OF TENDER/TENDER SUMMARY				9,072,866.88

Α	Net Project property Cost		
В	Project Development Phase		
	Consultancy Fees	12%	1,088,744.03
	AT managed costs	6%	544,372.01
	Waka Kotahi managed costs		
	Kiwirail managed costs		
_	Project Development Phase Escalation		
В	Total Project Development:		1,633,116.04
•	Due transfers entetien Diese		
С	Pre-Implementation Phase	100/	007 206 60
	Consultancy Fees	10% 6%	907,286.69
	AT managed costs(incl consent fees)	6%	544,372.01
	Waka Kotahi managed costs Kiwirail managed costs		
	Pre-Implementation Phase Escalation		
С	Total Pre-Implementation:		1,451,658.70
C	Total Fre-Implementation.		1,431,038.70
D	Implementation Phase		
D.1	Implementation Fees (MSQA);		
5.12	Consultancy Fees	7%	635,100.68
	AT managed costs	3%	272,186.01
	Waka Kotahi managed costs	• • • • • • • • • • • • • • • • • • • •	_,_,_
	Kiwirail costs(BOL related, safety personnel, permits etc)		
	Consent monitoring fees	1%	90,728.67
	Implementation Phase Fees Escalation		
	D.1 Subtotal Base Implementation Fees:		998,015.36
	·		
D.2	Physical works inc. On-site Overheads, Off-site Overheads & Profit, TM &		9,072,866.88
	Environmental		
E	Base Estimate		13,155,656.98
F	P50	70%	9,208,959.88
	P50 TOTAL		22,364,616.86





# Local area traffic management - Speed Table

Contract No
Contract Name
Contractor

_					
т.	OBOOK	Magalira and	Value Se	bodulo of	Drice
		Measure and			Prices

Item	Description	Unit	Quantity	Rate	Amount
1	TOTAL TRAFFIC MANAGEMENT				-
1.1	Implementation of Traffic Management Plans.	LS	1	-	-
					-
2	TOTAL ENVIRONMENTAL MANAGEMENT				-
2.1	Implementation of Environmental Management Plan.	LS	1	-	-
3	PHYSICAL WORKS				99,930.00
	Site Clearance & Demolition				33,333.00
	Breakout and remove existing kerb	m	40	45.00	1,800.00
	Breakout and remove existing catchpit	no	2	1,500.00	3,000.00
	Sawcut	m	28	20.00	560.00
	Breakout and remove existing footpath/berm	m2	80	45.00	3,600.00
	Remove existing signage	LS	1	2,500.00	2,500.00
	Remove existing roadmarking	LS	1	2,500.00	2,500.00
	Footbase des				-
	Earthworks		44.70	125.00	- - -
	Cut to waste	m3	41.76	125.00	5,220.00
	Concrete Works				
	Raised speed table - concrete	m2	112	300.00	33,600.00
	Pram crossing/FP	m2	40	125.00	5,000.00
	New K&C including subsoil drainage	m	40	300.00	12,000.00
	Tactile pavers	m2	12	450.00	5,400.00
					-
	Drainage				-
	Supply and install new CP, x1 either side of each speed table	no	2	5,500.00	11,000.00
	225mm RCRRJ lead pipe for CP - 2m long	m	10	475.00	4,750.00
					-
	Roadmarking & signage		10	400.00	4 000 00
	New signage Road marking	no LS	10	5,000.00	4,000.00 5,000.00
	Trodd marking		'	0,000.00	3,000.00
T1	TOTAL ( <i>Exclusive of On-site Overheads and exclusive of Off-site Overhead and Profit</i> )				99,930.00
T2	TOTAL ON-SITE OVERHEADS	%		20%	19,986.00
T3	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads)				119,916.00
T4	TOTAL OFF-SITE OVERHEAD & PROFIT	%		10%	11,991.60
T5	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads, Off-sit		eads and Profit)		131,907.60
PS	TOTAL PROVISIONAL SUMS (Clause 12.9)		,		_
					-
					-
					-
					-
					-
		+			-
		+			
					-
Т6	TOTAL (excluding GST) - TO FORM OF TENDER/TENDER SUMMARY				131,907.60
10	TO THE (OXCIDENTITY OF TENDER TENDER SOMMART				101,307.00





Α	Net Project property Cost		
В	Project Development Phase		
	Consultancy Fees	12%	15,828.91
	AT managed costs	6%	7,914.46
	Waka Kotahi managed costs		
	Kiwirail managed costs		
	Project Development Phase Escalation		
В	Total Project Development:		23,743.37
С	Pre-Implementation Phase		
	Consultancy Fees	10%	13,190.76
	AT managed costs(incl consent fees)	6%	7,914.46
	Waka Kotahi managed costs		
	Kiwirail managed costs		
	Pre-Implementation Phase Escalation		
С	Total Pre-Implementation:		21,105.22
D	Implementation Phase		
D.1	Implementation Fees (MSQA);		
	Consultancy Fees	7%	9,233.53
	AT managed costs	3%	3,957.23
	Waka Kotahi managed costs		
	Kiwirail costs(BOL related, safety personnel, permits etc)		
	Consent monitoring fees	1%	1,319.08
	Implementation Phase Fees Escalation		
	D.1 Subtotal Base Implementation Fees:		14,509.84
D.2	Physical works inc. On-site Overheads, Off-site Overheads & Profit, TM &		131,907.60
	Environmental		
-	Dana Entire ata		101 266 02
E	Base Estimate		191,266.02
F	DEO	700/	122 000 24
F	P50	70%	133,886.21
	P50 TOTAL		325,152.23





## Local area traffic management - Speed

Contract No
Contract Name
Contractor

**AUCKLAND COUNCIL HOUSING** 

Item	Description	Unit	Quantity	Rate	Amount
1	TOTAL TRAFFIC MANAGEMENT				2,500.00
1.1	Implementation of Traffic Management Plans.	Day	1	2,500.00	2,500.00
2	TOTAL ENVIRONMENTAL MANAGEMENT				69.50
2.1	Implementation of Environmental Management Plan.	LS	1	69.50	69.50
3	PHYSICAL WORKS				2,780.00
	Roadmarking & Signage				
	Establishment & disestablishment	LS	1	500.00	500.00
	Red road marking	m2	8	60.00	480.00
	30mph marking	no	2	450.00	900.00
	New sign and pole	no	2	450.00	900.00
T1	TOTAL ( <i>Exclusive of On-</i> site Overheads and exclusive of Off-site Overhead and Profit)				5,349.50
T2	TOTAL ON-SITE OVERHEADS	%		20%	1,069.90
Т3	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads)				6,419.40
T4	TOTAL OFF-SITE OVERHEAD & PROFIT	%		10%	641.94
<b>T</b> 5	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads, Off-s	ite Overl	neads and Profit)		7,061.34
PS	TOTAL PROVISIONAL SUMS (Clause 12.9)				
					-
					<u> </u>
					-
					-
					<u> </u>
					-
					-
T6	TOTAL (excluding GST) - TO FORM OF TENDER/TENDER SUMMARY				7,061.34





Α	Net Project property Cost		
В	Project Development Phase		
	Consultancy Fees	12%	847.36
	AT managed costs	6%	423.68
	Waka Kotahi managed costs		
	Kiwirail managed costs		
	Project Development Phase Escalation		1 271 04
В	Total Project Development:		1,271.04
С	Due Implementation Dhose		
C	Pre-Implementation Phase Consultancy Fees	10%	706.13
	AT managed costs(incl consent fees)	6%	423.68
	Waka Kotahi managed costs	070	423.08
	Kiwirail managed costs		
	Pre-Implementation Phase Escalation		
С	Total Pre-Implementation:		1,129.81
			_,
D	Implementation Phase		
D.1	Implementation Fees (MSQA);		
	Consultancy Fees	7%	494.29
	AT managed costs	3%	211.84
	Waka Kotahi managed costs		
	Kiwirail costs(BOL related, safety personnel, permits etc)		
	Consent monitoring fees	1%	70.61
	Implementation Phase Fees Escalation		
	D.1 Subtotal Base Implementation Fees:		776.75
			7.064.04
D.2	Physical works inc. On-site Overheads, Off-site Overheads & Profit, TM &		7,061.34
	Environmental		
Е	Base Estimate		10,238.94
_	Buse Estimate		10,230.34
F	P50	70%	7,167.26





## Local area traffic management - Chicane

Contract No
Contract Name
Contractor

**AUCKLAND COUNCIL HOUSING** 

Item	Description	Unit	Quantity	Rate	Amount
1	TOTAL TRAFFIC MANAGEMENT				-
1.1	Implementation of Traffic Management Plans.	LS	1	-	-
					-
2	TOTAL ENVIRONMENTAL MANAGEMENT				-
2.1	Implementation of Environmental Management Plan.	LS	1	-	-
	PLIVOLOAL MODICO				-
3	PHYSICAL WORKS Site Clearance & Demolition				6,635.00
			-	45.00	225.00
	Breakout and remove existing kerb & channel  Cut to waste	m	5		187.50
		m3	1.5	125.00	
	Sawcut - perimeter of chicane	m	8	20.00	160.00
	Concrete Works				-
	Chicane island including concrete infill and kerbing	m2	7.5	350.00	2,625.00
	New K&C		2.5	175.00	437.50
	New Rac	m	2.5	175.00	437.50
	Roadmarking & signage				
	New sign and pole	no	2	500.00	1,000.00
	Misc. Roadmarking	LS	1	1,000.00	1,000.00
	IVIISC. I Coadmarking		· ·	1,000.00	1,000.00
	Landscaping & Furniture				_
	General landscaping and planting	LS	1	1,000.00	1,000.00
	Certeral landscaping and planting		'	1,000.00	1,000.00
T1	TOTAL (Exclusive of On-site Overheads and exclusive of Off-site				6,635.00
	Overhead and Profit)				3,333.00
T2	TOTAL ON-SITE OVERHEADS	%		20%	1,327.00
T3	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads)			2370	7,962.00
T4	TOTAL OFF-SITE OVERHEAD & PROFIT	%		10%	796.20
T5	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads, Off-si	te Over	heads and Profit		8,758.20
PS	TOTAL PROVISIONAL SUMS (Clause 12.9)				-
					-
					-
					-
T6	TOTAL (excluding GST) - TO FORM OF TENDER/TENDER SUMMARY				8,758.20





Α	Net Project property Cost		
_			
В	Project Development Phase	4.20/	4.050.00
	Consultancy Fees	12% 6%	1,050.98 525.49
	AT managed costs Waka Kotahi managed costs	0%	525.49
	Kiwirail managed costs		
	Project Development Phase Escalation		
В	Total Project Development:		1,576.48
	Total Project Development		2,070110
С	Pre-Implementation Phase		
	Consultancy Fees	10%	875.82
	AT managed costs(incl consent fees)	6%	525.49
	Waka Kotahi managed costs		
	Kiwirail managed costs		
	Pre-Implementation Phase Escalation		
С	Total Pre-Implementation:		1,401.31
D	Implementation Phase		
D.1	Implementation Fees (MSQA);		
	Consultancy Fees	7%	613.07
	AT managed costs		
		3%	262.75
	Waka Kotahi managed costs	3%	262.75
	Kiwirail costs(BOL related, safety personnel, permits etc)		
	Kiwirail costs(BOL related, safety personnel, permits etc) Consent monitoring fees	1%	262.75 87.58
	Kiwirail costs(BOL related, safety personnel, permits etc) Consent monitoring fees Implementation Phase Fees Escalation		87.58
	Kiwirail costs(BOL related, safety personnel, permits etc) Consent monitoring fees		
D.2	Kiwirail costs(BOL related, safety personnel, permits etc) Consent monitoring fees Implementation Phase Fees Escalation  D.1 Subtotal Base Implementation Fees:		87.58 <b>963.40</b>
D.2	Kiwirail costs(BOL related, safety personnel, permits etc) Consent monitoring fees Implementation Phase Fees Escalation		87.58
D.2	Kiwirail costs(BOL related, safety personnel, permits etc) Consent monitoring fees Implementation Phase Fees Escalation  D.1 Subtotal Base Implementation Fees:  Physical works inc. On-site Overheads, Off-site Overheads & Profit, TM &		87.58 <b>963.40</b>
D.2 E	Kiwirail costs(BOL related, safety personnel, permits etc) Consent monitoring fees Implementation Phase Fees Escalation  D.1 Subtotal Base Implementation Fees:  Physical works inc. On-site Overheads, Off-site Overheads & Profit, TM &		87.58 <b>963.40</b>
	Kiwirail costs(BOL related, safety personnel, permits etc) Consent monitoring fees Implementation Phase Fees Escalation  D.1 Subtotal Base Implementation Fees:  Physical works inc. On-site Overheads, Off-site Overheads & Profit, TM & Environmental  Base Estimate	1%	87.58 <b>963.40</b> 8,758.20
	Kiwirail costs(BOL related, safety personnel, permits etc) Consent monitoring fees Implementation Phase Fees Escalation  D.1 Subtotal Base Implementation Fees:  Physical works inc. On-site Overheads, Off-site Overheads & Profit, TM & Environmental		87.58 <b>963.40</b> 8,758.20





# Active mode crossing-zebra crossing

Contract No
Contract Name
Contractor

**AUCKLAND COUNCIL HOUSING** 

Item	Description	Unit	Quantity	Rate	Amount
1	TOTAL TRAFFIC MANAGEMENT				-
1.1	Implementation of Traffic Management Plans.	LS	1	-	-
2	TOTAL ENVIRONMENTAL MANAGEMENT				<u>-</u>
2.1	Implementation of Environmental Management Plan.	LS	1	-	-
2.1	implementation of Environmental Management Flan.		'		
3	PHYSICAL WORKS				40,610.00
	Zebra Crossing as per ATCOP FP012				-
	Breakout and remove existing K&C	m2	10.00	45.00	450.00
	Breakout and remove existing footpath/berm	m2	18.00	45.00	810.00
	Traffic island	m2	12.00	175.00	2,100.00
	Pram crossing/footpath	m2	18.00	125.00	2,250.00
	Tactile pavers	m2	10.00	450.00	4,500.00
	Sign posts	no	2.00	450.00	900.00
	Belisha poles including ducting, cabling and connections	no	2.00	13,000.00	26,000.00
	Advanced warning diamond	no	2.00	350.00	700.00
	Median	m	20.00	35.00	700.00
	Limit line	m	10.00	10.00	100.00
	Pedestrian Crossing Zebra Stripes	m	42.00	50.00	2,100.00
					-
T1	TOTAL ( <i>Exclusive of On-site Overheads and exclusive of Off-site Overhead and Profit</i> )				40,610.00
T2	TOTAL ON-SITE OVERHEADS	%		20%	8,122.00
T3	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads)				48,732.00
T4	TOTAL OFF-SITE OVERHEAD & PROFIT	%		10%	4,873.20
T5	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads, Off-site	te Overh	eads and Profit)		53,605.20
PS	TOTAL PROVISIONAL SUMS (Clause 12.9)				
					-
					-
					-
					-
					-
					-
					-
					-
					-
Т6	TOTAL (excluding GST) - TO FORM OF TENDER/TENDER SUMMARY				53,605.20





Α	Net Project property Cost		
В	Project Development Phase		
	Consultancy Fees	12%	6,432.62
	AT managed costs	6%	3,216.31
	Waka Kotahi managed costs		
	Kiwirail managed costs		
	Project Development Phase Escalation		
В	Total Project Development:		9,648.94
С	Pre-Implementation Phase		
	Consultancy Fees	10%	5,360.52
	AT managed costs(incl consent fees)	6%	3,216.31
	Waka Kotahi managed costs		
	Kiwirail managed costs		
	Pre-Implementation Phase Escalation		0.576.00
С	Total Pre-Implementation:		8,576.83
D	Implementation Phase		
D.1	Implementation Fees (MSQA);		
2.12	Consultancy Fees	7%	3,752.36
	AT managed costs	3%	1,608.16
	Waka Kotahi managed costs		,
	Kiwirail costs(BOL related, safety personnel, permits etc)		
	Consent monitoring fees	1%	536.05
	Implementation Phase Fees Escalation		
	D.1 Subtotal Base Implementation Fees:		5,896.57
D.2	Physical works inc. On-site Overheads, Off-site Overheads & Profit, TM &		53,605.20
	Environmental		
Е	Base Estimate		77,727.54
C	Dase Estillate		11,121.34
F	P50	70%	54,409.28
	P50 TOTAL		132,136.82
			,





# Footpath only retrofit (Brownfield)

Contract No
Contract Name
Contractor

**AUCKLAND COUNCIL HOUSING** 

Item	Description	Unit	Quantity	Rate	Amount
1	TOTAL TRAFFIC MANAGEMENT				93,200.00
1.1	Implementation of Traffic Management Plans.	LS	1	93,200.00	93,200.00
	TOTAL ENVIRONMENTAL MANAGEMENT				-
2.1	TOTAL ENVIRONMENTAL MANAGEMENT  Implementation of Environmental Management Plan.	LS	1	6,990.00	6,990.00 6,990.00
2.1	Implementation of Environmental Management Plan.	LO	ı	6,990.00	6,990.00
3	PHYSICAL WORKS				466,000.00
	Demolition & Site Clearance				-
	Breakout out and remove existing FP	m2	1,500.00	45.00	67,500.00
	Remove topsoil to waste	m2	2,300.00	45.00	103,500.00
					-
	Earthworks				-
	Cut to waste	m3	360.00	125.00	45,000.00
	Concrete Works				-
	Concrete FP	m2	1,800.00	125.00	225,000.00
	Odnorete i i	1112	1,000.00	125.00	-
	Roadmarking & signage				-
	Misc.	m	1,000.00	25.00	25,000.00
					-
T1	TOTAL ( <i>Exclusive of On-site Overheads and exclusive of Off-site Overhead and Profit</i> )				566,190.00
T2	TOTAL ON-SITE OVERHEADS	%		20%	113,238.00
Т3	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads)				679,428.00
T4	TOTAL OFF-SITE OVERHEAD & PROFIT	%		10%	67,942.80
T5	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads, Off-s	ite Over	heads and Profit)		747,370.80
PS	TOTAL PROVISIONAL SUMS (Clause 12.9)				-
					-
T6	TOTAL (excluding GST) - TO FORM OF TENDER/TENDER SUMMARY				747,370.80





Α	Net Project property Cost		
В	Ducinet Davidoument Dhase		
В	Project Development Phase Consultancy Fees	12%	89,684.50
	AT managed costs	6%	44,842.25
	Waka Kotahi managed costs	070	44,042.23
	Kiwirail managed costs		
	Project Development Phase Escalation		
В	Total Project Development:		134,526.74
	•		,
С	Pre-Implementation Phase		
	Consultancy Fees	10%	74,737.08
	AT managed costs(incl consent fees)	6%	44,842.25
	Waka Kotahi managed costs		
	Kiwirail managed costs		
	Pre-Implementation Phase Escalation		
С	Total Pre-Implementation:		119,579.33
_			
D	Implementation Phase		
D.1	Implementation Fees (MSQA);	70/	F2 24F 06
	Consultancy Fees	7% 3%	52,315.96
	AT managed costs  Waka Kotahi managed costs	3%	22,421.12
	Kiwirail costs(BOL related, safety personnel, permits etc)		
	Consent monitoring fees	1%	7,473.71
	Implementation Phase Fees Escalation	170	7,473.71
	D.1 Subtotal Base Implementation Fees:		82,210.79
	•		,
D.2	Physical works inc. On-site Overheads, Off-site Overheads & Profit, TM &		747,370.80
	Environmental		
Е	Base Estimate		1,083,687.66
_			
F	P50	70%	758,581.36
	P50 TOTAL		1,842,269.02





## **BROWNFIELD - 4 LANE**

Contract No AUCKLAND COUNCIL HOUSING

**Contract Name Contractor** 

Item	Description	Unit	Quantity	Rate	Amount
1	TOTAL TRAFFIC MANAGEMENT				
1.1	Implementation of Traffic Management Plans.	LS	1	-	-
2	TOTAL ENVIRONMENTAL MANAGEMENT				-
2.1	Implementation of Environmental Management Plan.	LS	1	-	_
					-
3	PHYSICAL WORKS				13,477,805.0
	Site Clearance & Demolition				
	Breakout and remove existing footpath/berm	m2	10,000.00	45.00	450,000.0
	Breakout and remove existing kerb & channel	m	2,000.00	45.00	90,000.
	Breakout and remove existing catchpit	no	50.00	1,500.00	75,000.
	Remove existing signs	LS	1.00	20,000.00	20,000.
	Remove existing roadmarking	LS	1.00	20,000.00	20,000.
	General site clearance	LS	1.00	10,000.00	10,000.
					-
	Cut to waste	m2	8 000 00	125.00	1 112 500
	Cut to waste	m3	8,900.00	125.00	1,112,500.
	Pavement Works				-
	Subgrade Prep				-
	Subgrade prep. 500mm behind kerb face	m2	18,000.00	6.00	108,000.
	Lime Stabilise 300mm depth subgrade	m2	17,000.00	30.00	510,000.
	Undercut unsuitable subgrade material - Provisional Item  Geotextile	m3 m2	1,020.00 18,000.00	150.00 5.00	153,000 90,000
	Devenuent				
	Pavement  Mill existing surface	m2	17,000.00	20.00	340,000.
	350mm GAP65	m3	5,950.00	175.00	1,041,250.
	250mm M4 Basecourse	m3	4,250.00	200.00	850,000.
	Grade 2/4 Chip Two Coat Seal	m2	17,000.00	10.00	170,000.
	40mm DG10	m2	17,000.00	10.00	170,000.
	Tie-in to existing - bandage seal	m	34.00	20.00	680
	The first extending barraage coal	<b>+</b>	0 1100	20.00	
	Concrete Works				_
	Concrete footpath	m2	11,000.00	125.00	1,375,000.
	Vehicle crossings	m2	875.00	175.00	153,125.
	Kerb & channel	m	2,000.00	300.00	600,000
	Mountable kerb between FP and Cylcle path	m	2,000.00	125.00	250,000
	Drainage				-
	Supply and install new CP, x1 either side of each speed table	no	50.00	5,500.00	275,000
	225mm RCRRJ lead pipe for CP - 2m long	m	250.00	475.00	118,750
	Lighting				
	Supply and install new light pole, including trenching, ducting, cabling and	no	68.00	12,000.00	816,000
	Roadmarking & signage  White centreline, 100mm, continuous, long life	l m	1,000.00	10.00	10,000.
	White lane lines, 100mm, continuous, long life		1,000.00	10.00	10,000.
	Yellow NSATT line , 100mm, 1m stripe, 1m gap, long life	m	1,000.00	12.50	12,500
	Green surfacing	m2	800.00	65.00	52,000
	Signage Signage	m	1,000.00	50.00	50,000
	originage and a second or a se	'''	1,000.00	30.00	30,000
	Landscaping & Furniture				<u> </u>
	Berm - topsoil and grassing	m2	2,000.00	110.00	220,000
	Tree - medium size - including tree pit	no	200.00	3,500.00	700,000





	General planting	LS	1.00	25,000.00	25,000.00
	Services				-
	Relocation of services - sum based on rate within BECA estimate	m	1,000.00	3,600.00	3,600,000.00
	Nelocation of Services - Sum based on rate within BECA estimate		1,000.00	3,000.00	-
T1	TOTAL ( <i>Exclusive of On-site Overheads and exclusive of Off-site Overhead and Profit</i> )				13,477,805.00
T2	TOTAL ON-SITE OVERHEADS	%		20%	2,695,561.00
Т3	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads)				16,173,366.00
T4	TOTAL OFF-SITE OVERHEAD & PROFIT	%		10%	1,617,336.60
T5	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads, Off-sit	te Overh	eads and Profit)		17,790,702.60
PS	TOTAL PROVISIONAL SUMS (Clause 12.9)				-
					-
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Т6	TOTAL (excluding GST) - TO FORM OF TENDER/TENDER SUMMARY				17,790,702.60



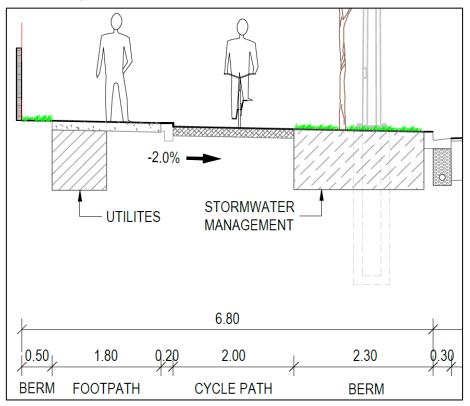


Α	Net Project property Cost		
В	Project Development Phase		
	Consultancy Fees	12%	2,134,884.31
	AT managed costs	6%	1,067,442.16
	Waka Kotahi managed costs		
	Kiwirail managed costs		
_	Project Development Phase Escalation		
В	Total Project Development:		3,202,326.47
С	Pre-Implementation Phase	100/	1 770 070 26
	Consultancy Fees	10% 6%	1,779,070.26
	AT managed costs(incl consent fees)	0%	1,067,442.16
	Waka Kotahi managed costs Kiwirail managed costs		
	Pre-Implementation Phase Escalation		
С	Total Pre-Implementation:		2,846,512.42
C	Total Fre-Implementation.		2,840,312.42
D	Implementation Phase		
D.1	Implementation Fees (MSQA);		
	Consultancy Fees	7%	1,245,349.18
	AT managed costs	3%	533,721.08
	Waka Kotahi managed costs		
	Kiwirail costs(BOL related, safety personnel, permits etc)		
	Consent monitoring fees	1%	177,907.03
	Implementation Phase Fees Escalation		
	D.1 Subtotal Base Implementation Fees:		1,956,977.29
D.2	Physical works inc. On-site Overheads, Off-site Overheads & Profit, TM &		17,790,702.60
	Environmental		
_			
E	Base Estimate		25,796,518.77
F	DEO	700/	10.057.562.44
F	P50	70%	18,057,563.14
	P50 TOTAL		43,854,081.91



A further scenario has been identified where there may be a requirement to retrofit walking and cycling facilities to an existing urban berm area. The assumption here is that the existing kerb and channel can be remain in place, and all works occur within the existing berm. Minimal earthworks would be required with a new 2m cycleway and 1.8m footpath provided.

The resultant unit rate adopted for providing active mode facilities within an existing berm was \$480 per linear metre.

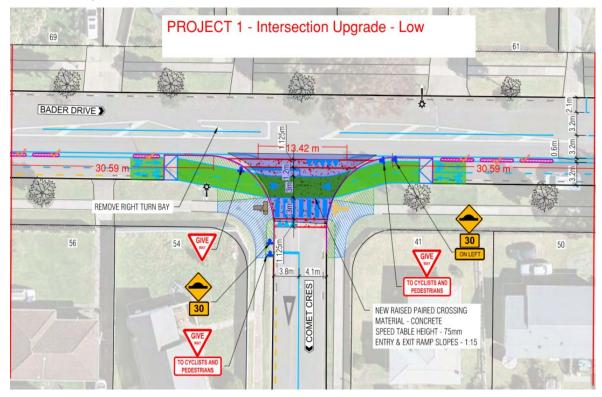


Report Reference	<b>Project Ref</b>	Design
1		Intersection upgrade – Low
2	P1	Intersection upgrade – Medium - Roundabout
2	P2	Intersection upgrade – Medium - Signals
3	P1	Intersection upgrade – Medium/High - Roundabout
3	P2	Intersection upgrade – Medium/High - Signals
4	P1	Intersection upgrade - High - Roundabout
4	P2	Intersection upgrade - High - Traffic Signals
5		Midblock – Low
6		Midblock – Medium
7		Midblock - High
	P1	Local area traffic management - Speed Table
8	P2	Speed threshold
	Р3	Local area traffic management - Chicane
9		Active mode crossing- zebra crossing
10		Footpath only retrofit
11		4 lane transport corridor (urban)
12		Footpath/Cyclepath retrofit

Generic scope	Physical Works for DCs	Unit
Intersection upgrade - low	\$ 200,000	per unit
Intersection upgrade - med.	\$ 600,000	per unit
intersection upgrade - med.	9 000,000	per unit
Intersection upgrade - med/high	\$ 750,000	per unit
Intersection apgrade - med/mgn	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	per unit
Intersection upgrade - high	\$ 1,500,000	per unit
Intersection upgrade - nigh	7 1,500,000	per unit
Midblock – Low	\$ 2,000	per m
Midblock – Medium	\$ 4,200	per m
Midblock - High	\$ 6,900	per m
	\$ 100,000	per unit
Local area Traffic management	\$ 5,000	per unit
	\$ 10,000	per unit
Active mode crossing- zebra crossing	\$ 50,000	per unit
Footpath only retrofit	\$ 470	per m
4 lane transport corridor (urban)	\$ 13,500	per m
Footpath/Cyclepath retrofit	\$ 480	per m

#### Ref1 - Intersection upgrade - low

Take Off - as per below



**Scope**: New concrete speed table, with kerb re-alignment and new footpath

Removal of existing kerbline - 30m either side of intersection and replacement with new inc. subsoil Removal of existing FP/Berm behind existing kerbline - 2m wide

Removal of x2 CP either side of new speed table - assumed

Sawcutting both ends of speed table into existing pavement

Cut to waste - 200mm for new footpath, 230mm for new speed table areas

New concrete speed table

New CP either side of new speed table with 5m connection pipe per CP

New tactile pavers

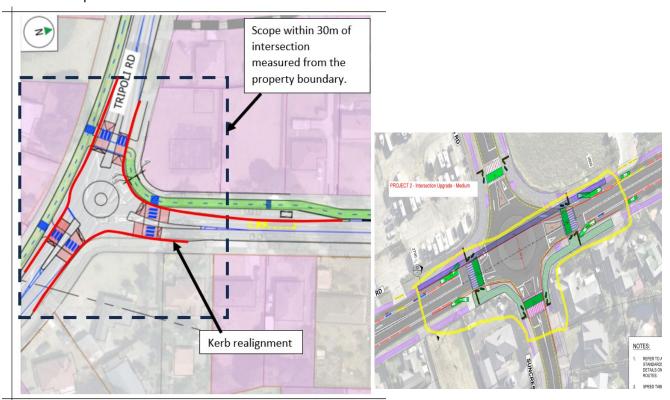
Removal of existing light pole x1 either side of crossing and replaced with new, including connections,

LS for new roadmarking installation and removal

LS for general planting and landscaping

New concrete FP/pram crossing x2m wide

Take Off - as per below



Scope: New concrete speed table, with kerb re-alignment and new footpath

Removal of existing kerbline - replacement with new inc. subsoil

Removal of existing FP/Berm behind existing kerbline - 2m wide

Removal of x2 CP either side of new speed table - assumed

Sawcutting both ends of speed table into existing pavement

Cut to waste - 200mm for new footpath, 230mm for new speed table areas

New concrete speed table

New CP either side of new speed table with 5m connection pipe per CP

New tactile pavers

Removal of existing light pole x1 either side of crossing and replaced with new, including connections,

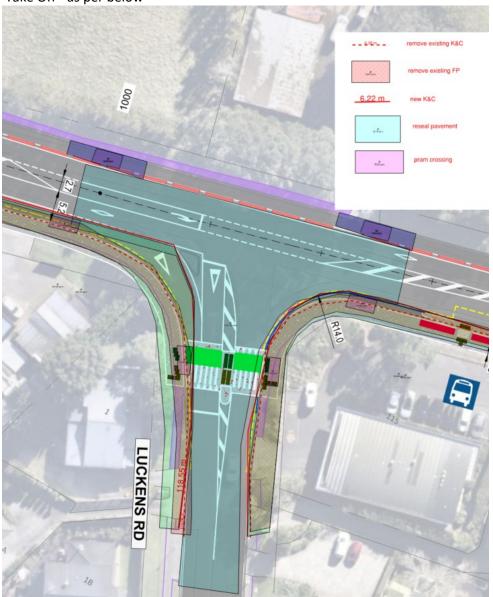
LS for new roadmarking installation and removal

LS for general planting and landscaping

New concrete FP/pram crossing x2m wide

#### Ref2 - P2 - Intersection upgrade - Medium - Signals

Take Off - as per below



Scope: 3- re-alignment of existing kerbline and adding signalised crossing

Removal of existing kerbline - 115m either side of intersection and replacement with new inc. subsoil Removal of x2 CP and replaced with new including 5m connection pipe

Sawcut - 10m for each leg across existing pavement

Removal of existing FP/Berm behind existing kerbline - 1.8m wide + x2 40m2 areas on midblock side for pram Cut to waste - 200mm for new footpath/pram crossing

New concrete FP (2m wide) and pram crossing x6 -

New tactile pavers

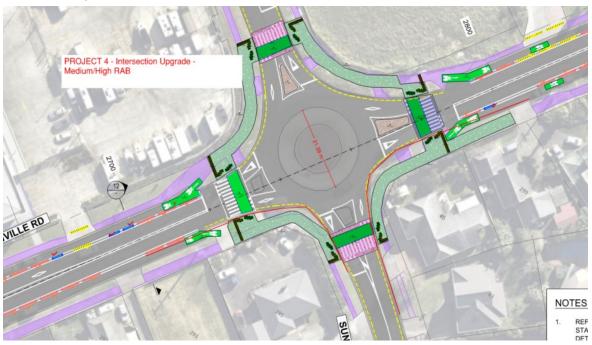
New K&C including subsoil drainage

Pavement works - mill existing, and re-seal

New traffic signals - x6 JUMA poles with x2 lanterns per pole, inc. scat loops, connections, ducting etc.

### Ref3 - P1 - Intersection upgrade - Medium/High - Roundabout

### Take Off - as per below



**Scope** : 4- leg intersection - New concrete speed table, with kerb re-alignment, new footpath and new as per project 1 - qty increased for x4 legs

### Ref3 - P2 - Intersection upgrade - Medium/High - Signals

All physical works associated for project 3 plus:

8 no. existing light poles removed and replaced with new

LS for service relocations (minor)

x3 new vehicle crossings

### Ref4 - P1 - Intersection upgrade - High - Roundabout

Take Off - as per below



#### Scope:

Breakout and remove existing FP/berm/traffic island breakout and remove existing K&C remove existing CP - assumed x2 every side road and replaced with new Site clearance, removing trees, roadmarking and signage Cut to waste - 500mm for new pavement area, 200mm for new FP, 200mm for new RAB Remediate existing pavement, mill, chipseal and ashphalt New pavement layer for area previously FP or Traffic island - 300mm GAP65 & 200mm Basecourse RAB - 300mm GAP65, mountable kerb, 200mm topsoil, 100mm garden mix & mulch New concrete FP, VC and new K&C new lightpole x12

#### Ref4 - P2 - Intersection upgrade - High - Traffic Signals

Take Off - as per below



#### Scope:

Breakout and remove existing FP/berm/traffic island

breakout and remove exisitng K&C

remove existing CP - assumed x2 every side road and replaced with new

Site clearance, roadmarking and signage

Cut to waste - 500mm for new pavement area, 200mm for new FP

Remediate existing pavement, mill, chipseal and ashphalt

New pavement layer for area previously FP or Traffic island - 300mm GAP65 & 200mm Basecourse

RAB - 300mm GAP65, mountable kerb, 200mm topsoil, 100mm garden mix & mulch

New concrete FP, VC and new K&C

New lightpole x10

New traffic signals - x2 JUMA poles with x2 lanterns per pole, x1 ped lantern per pole, x1 callbox per pole, x2 scats loop per road, x 2 junction per road, with testing commissioning and CCTV

#### Ref5 - Midblock - Low

No kerb re-alignment

removal and replacement of FP (2m wide)

Cycle separators either side

Upgrading CPs for cycle friendly grates x1 every 40m

New roadmarking & signage

#### Ref6 - Midblock - Medium

Kerb re-alignment x1 side

Pavement width reduced from 11.8m to 7m and replaced with: 6.1m wide FP, 1.8m berm x 2 400mm dish cha Existing pavement area, now FP area milled

Cut to waste 200mm for new FP/berm/channel area - 8.7m wide

VC every 40m

x1 zebra crossing every 400m

Existing payment - now 7m wide milleda and re-surfaced

New CP every 40m on 1 side

Replacement of existing light pole x1 every 30m on 1 side

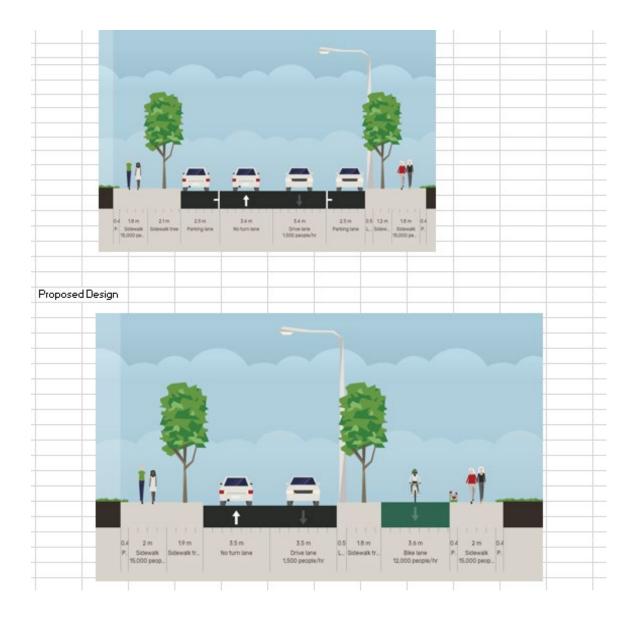
New road marking & signage

New berm 1.8m wide

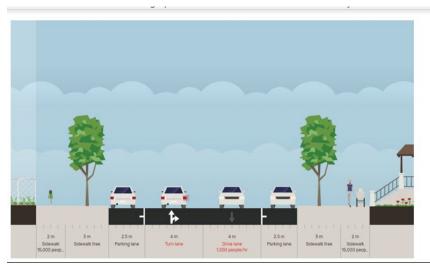
Removal and replacement of existing bus shelter x1 evert 400m

x1 new tree every 100m

E. C.			
Existing			



#### Ref7 - Midblock - High





Similar to existing AT project for Pt Chevalier Road:

#### **Proposed design parameters**

	0.4	2.0	0.4	2.0	2.0	9.6	0.6	1.2	2.0	0.4	2.0	0.4
Berm		Shared path	dish channel	shared path	berm	pavement	berm for light pole	berm	shared path	dish channe	shared path	berm

#### Scope of works:

kerb re-alignment both sides

Breakout and remove existing kerb, footpath, CPs either side

Existing pavement area, now FP area milled

Cut to waste 200mm for new FP areas

Mill and resurfaced existing pavement

VC every 40m either side

400mm dish channel either side

new CP and 5m lead pipe every 40m

Remove and replace with new light pole every 30m either side

New road marking & signage

New berm areas as per above x-section 4.6m wide both sides

Removal and replacement of existing bus shelter x1 evert 400m

x1 new tree every 100m

#### Ref8 - P1 - Local Area Traffic Management - Speed Table

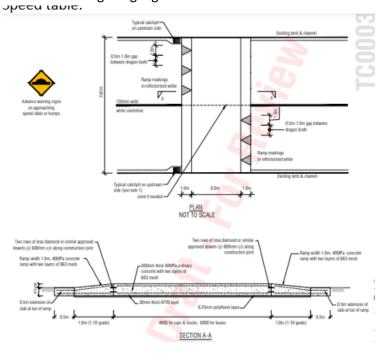
New speed table - 14m wide pavement

remove and replace K&C 20m wither side of speed table - with new footpath

Cut to waste, 200mm for FP and 230mm for speed table

Replace x2 CPs with x5 lead per CP

new road marking & signage

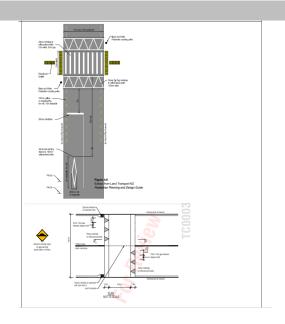


#### Ref8 - P3 - Local Area Traffic Management - Chicane

New speed table - 8m wide pavement No kerb removal or fp works cut to waste - 230mm for speed table area aco drain grates either side of speed table new signage and marking

#### Ref9 - Active mode crossing - Zebra crossing

Breakout and removal of k&C with FP 5m either side x2 belisha poles new signage and marking new footpath/pram crossing with pavers



SH22 (Existing)

Existing Road Corridor Width - 20m

SH22 (Upgrade) widen to South

Existing Road Corridor Width

Generally widen to the South



## Intersection upgrade – Low

Contract Name
Contractor

Contract No AUCKLAND COUNCIL HOUSING

Item	Description	Unit	Quantity	Rate	Amount					
1	TOTAL TRAFFIC MANAGEMENT									
1.1	Implementation of Traffic Management Plans.	LS	1	-	-					
_					-					
2	TOTAL ENVIRONMENTAL MANAGEMENT				•					
2.1	Implementation of Environmental Management Plan.	LS	1	-	-		D 11 100 1111 \	<u> </u>		la 11 a 14
2	PHYSICAL WORKS				180,256.25	Lifespan (years)	Proportion (30yrs/Lifespan)	Proporti	57,492.50	Proportion Renewal %
<u> </u>	Site Clearance & Demolition				100,230.23			Ą	37,492.30	177
	Breakout and remove existing kerb	m	60	45.00	2,700.00	80	38%	\$	1,012.50	
	Breakout and remove existing catchpit	no	2	1,500.00	3,000.00	80		\$	1,125.00	
	Sawcut	m	25	20.00	500.00		100%	\$	500.00	
	Breakout and remove existing footpath/berm	m2	240	45.00	10,800.00	50		\$	6,480.00	
	Stocked and formers existing too pathy sorm	1112	210	10.00	-		0070	\$	-	
	Earthworks						1	\$	-	
	Cut to waste	m3	74.45	125.00	9,306.25			\$	-	
		+ ***			-		+	\$	_	
	Concrete Works				_			\$	_	
	Raised speed table - concrete	m2	115	300.00	34,500.00			\$	_	
	Concrete footpath	m2	220	125.00	27,500.00	50	60%	\$	16,500.00	
	New K&C including subsoil drainage	m	60	300.00	18,000.00	80	38%	\$	6,750.00	
	5m long concrete cycle separator	no	8	2,500.00	20,000.00			\$	-	
	Tactile pavers	m2	4	450.00	1,800.00			\$	-	
					-			\$	-	
	Drainage				-			\$	-	
	Supply and install new CP, x1 either side of each speed table	no	2	5,500.00	11,000.00	80	38%	\$	4,125.00	
	225mm RCRRJ lead pipe for CP - 2m long	m	10	475.00	4,750.00			\$	-	
					-			\$	-	
	Lighting				-			\$	-	
	Remove existing lightpole and dispose	no	2	1,500.00	3,000.00	30	100%	\$	3,000.00	
	Supply and install new light pole, including trenching, ducting, cabling and connections	no	2	12,000.00	24,000.00	30	100%	\$	18,000.00	
		1 1			-					
	Roadmarking & signage	1 1			-					
	New signage	no	6	400.00	2,400.00					
	Road marking	LS	1	5,000.00	5,000.00					





	Landscaping & Furniture				-	
	Berm - topsoil and grassing	LS	1.00	2,000.00	2,000.00	
T1	TOTAL (Exclusive of On-site Overheads and exclusive of Off-site				180,256.25	T1
	Overhead and Profit)					Į
T2	TOTAL ON-SITE OVERHEADS	%		20%	36,051.25	T2
Т3	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads)				216,307.50	T3=T1+T2+1 <i>A</i>
T4	TOTAL OFF-SITE OVERHEAD & PROFIT	%		10%	21,630.75	Т4
				1111		i
T5	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads, Off-site	Overhe	ads and Profit)		237,938.25	T5=T3+T4
PS	TOTAL PROVISIONAL SUMS (Clause 12.9)				-	PS
					-	
					-	
					-	
					-	
					-	
					-	
					-	
					-	
					-	
TC	TOTAL (avaluding CCT) TO FORM OF TENDER/TENDER CHMMARY				227 020 25	TC TE DC III
T6	TOTAL (excluding GST) - TO FORM OF TENDER/TENDER SUMMARY				237,938.25	T6=T5+PS+U

Α	Net Project property Cost		
В	Project Development Phase		
	Consultancy Fees AT managed costs Waka Kotahi managed costs Kiwirail managed costs Project Development Phase Escalation	12% 6%	28,552.59 14,276.30
В	Total Project Development:		42,828.89
С	Pre-Implementation Phase		
	Consultancy Fees AT managed costs(incl consent fees) Waka Kotahi managed costs Kiwirail managed costs Pre-Implementation Phase Escalation	10% 6%	23,793.83 14,276.30
С	Total Pre-Implementation:		38,070.12
D	Implementation Phase		
D.1	Implementation Fees (MSQA); Consultancy Fees AT managed costs Waka Kotahi managed costs Kiwirail costs(BOL related, safety personnel, permits etc) Consent monitoring fees Implementation Phase Fees Escalation	7% 3% 1%	16,655.68 7,138.15 2,379.38



### Sensitivity: General



	D.1 Subtotal Base Implementation Fees:		26,173.21
D.2	Physical works inc. On-site Overheads, Off-site Overheads & Profit, TM & Environmental		237,938.25
E	Base Estimate		345,010.46
F	P50	70%	241,507.32
	P50 TOTAL		586,517.79





## Intersection upgrade – Medium - Roundabout

Contract No
Contract Name

**AUCKLAND COUNCIL HOUSING** 

Berm - topsoil and grassing

Contractor

	Tender Measure and Value Schedule of Prices								
Item	Description	Unit	Quantity	Rate	Amount				
1	TOTAL TRAFFIC MANAGEMENT								
1.1	Implementation of Traffic Management Plans.	LS	1	-	-				
2	TOTAL ENVIRONMENTAL MANAGEMENT				-				
2.1	Implementation of Environmental Management Plan.	LS	1	-	-				
	m.p.o.n.o.n.a.o.n.o. =o.n.o.n.o.n.a.n.a.go.n.o.n.n.a.n.a.go.n.o.n.		·		-	Lifespan (vears)	Proportion (30yrs/Lifespan)	<b>Proportion Renewal \$</b>	Proportion Renewal %
3	PHYSICAL WORKS				457,818.75		, , , , , , , , , , , , , , , , , , , ,	\$ 161,926.88	18%
	Site Clearance & Demolition								
	Breakout and remove existing kerb	m	245	45.00	11,025.00	80	38%	\$ 4,134.38	
	Breakout and remove existing catchpit	no	6	1,500.00	9,000.00	80	38%	\$ 3,375.00	
	Sawcut	m	75	20.00	1,500.00		100%	\$ 1,500.00	
	Breakout and remove existing footpath/berm	m2	490	45.00	22,050.00	50	60%	\$ 13,230.00	
					-				
	Earthworks				-				
	Cut to waste	m3	149.75	125.00	18,718.75				
					-				
	Concrete Works				-				
	Raised speed table - concrete	m2	225	300.00	67,500.00				
	Concrete footpath	m2	490	125.00	61,250.00	50	60%	\$ 36,750.00	
	New K&C including subsoil drainage	m	245	300.00	73,500.00	80	38%	\$ 27,562.50	
	Tactile pavers	m2	36	450.00	16,200.00				
	New concrete roundabout including concrete infill and kerb and nib	m2	135	175.00	23,625.00				
					-				
	Drainage				-				
	Supply and install new CP, x1 either side of each speed table	no	6	5,500.00	33,000.00	80	38%	\$ 12,375.00	
	225mm RCRRJ lead pipe for CP - 2m long	m	30	475.00	14,250.00				
	<u></u>				-				
	Lighting		_		-				
	Remove existing lightpole and dispose	no	6	1,500.00	9,000.00	30		\$ 9,000.00	
	Supply and install new light pole, including trenching, ducting, cabling and connections	no	6	12,000.00	72,000.00	30	100%	\$ 54,000.00	
					-				
	Roadmarking & signage				-				
	New signage	no	18	400.00	7,200.00				
	Road marking	LS	1	15,000.00	15,000.00				
	Landscaping & Furniture	1.0	4.00	2 000 00	- 2.000.00				

LS

1.00

3,000.00

3,000.00





T1	TOTAL ( <i>Exclusive of On-site Overheads and exclusive of Off-site Overhead and Profit</i> )				457,818.75	T1
T2	TOTAL ON-SITE OVERHEADS	%		20%	91,563.75	T2
Т3	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads)				549,382.50	T3=T1+T2+1A
T4	TOTAL OFF-SITE OVERHEAD & PROFIT	%		10%	54,938.25	T4
T5	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads, Off-site Overhead	s and	l Profit)		604,320.75	T5=T3+T4
PS	TOTAL PROVISIONAL SUMS (Clause 12.9)				-	PS
					-	
					-	
					-	
					-	
					-	
					-	
					-	
					-	
Т6	TOTAL (excluding GST) - TO FORM OF TENDER/TENDER SUMMARY				604,320.75	T6=T5+PS+U

Α	Net Project property Cost		
В	Project Development Phase		
	Consultancy Fees	12%	72,518.49
	AT managed costs	6%	36,259.25
	Waka Kotahi managed costs		
	Kiwirail managed costs		
	Project Development Phase Escalation		
В	Total Project Development:		108,777.74
C	Pre-Implementation Phase		
	Consultancy Fees	10%	60,432.08
	AT managed costs(incl consent fees)	6%	36,259.25
	Waka Kotahi managed costs		
	Kiwirail managed costs		
	Pre-Implementation Phase Escalation		
С	Total Pre-Implementation:		96,691.32
D	Implementation Phase		
D.1	Implementation Fees (MSQA);		
	Consultancy Fees	7%	42,302.45
	AT managed costs	3%	18,129.62
	Waka Kotahi managed costs		
	Kiwirail costs(BOL related, safety personnel, permits etc)		
	Consent monitoring fees	1%	6,043.21
	Implementation Phase Fees Escalation		
	D.1 Subtotal Base Implementation Fees:		66,475.28



### Sensitivity: General



D.2	Physical works inc. On-site Overheads, Off-site Overheads & Profit, TM & Environmental		604,320.75
E	Base Estimate		876,265.09
F	P50	70%	613,385.56
	P50 TOTAL		1,489,650.65





## Intersection upgrade – Medium - Signals

Description

Contract No AUCKLAND COUNCIL HOUSING

TOTAL ON-SITE OVERHEADS

TOTAL OFF-SITE OVERHEAD & PROFIT

TOTAL PROVISIONAL SUMS (Clause 12.9)

TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads)

TOTAL OFF-SITE OVERHEAD & PROFIT

\*\*TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads, Off-site Overheads and Profit)

**Contract Name** Contractor

Tender Measure and Value Schedule of Prices

State Character & Demonstrates										
1.1   Information of Time Management Press.   Lip   1   1   1   1   1   1   1   1   1	1	TOTAL TRAFFIC MANAGEMENT				-				
Control   Cont	1.1		LS	1	-	-				
Part   Company   Part						-				
Mary National Supplementary   Mary National Natio	2	TOTAL ENVIRONMENTAL MANAGEMENT				-				
Security	2.1	Implementation of Environmental Management Plan.	LS	1	-	-				
Sto Charanace Abmosition   Part							Lifespan (years)	Proportion (30yrs/Lifespan)		Proportion Renewal %
Secretary   Secr	3					577,530.00			\$ 189,58	0.75 17%
StreetCut and renove wealting cottompt   no   2,00   1,500,00   200,00   000,00   10075   5   600,00										
Street and morne coasing forepathbers			m						· · · · · · · · · · · · · · · · · · ·	
Stream and artiferes exacting focus wherem   m2   \$500   \$10,000   \$50   \$00   \$1   \$0.000   \$1   \$1.000   \$1   \$1.0000   \$1.0000   \$1.0000   \$1.0000   \$1.0000   \$			no			·	80		-	
Earthworks										
Cut to waste		Breakout and remove existing footpath/berm	m2	356.00	45.00	16,020.00	50	60%	\$ 9,61	2.00
Concrete Works						-			\$	-
Cancete Morks									\$	-
Concrete Works		Cut to waste	m3	93.60	125.00	11,700.00			\$	-
Cancele forbidate    m2						-			\$	-
Prain crossing   m2									\$	
New KSC Petuding subsolid rainage							50	60%	\$ 35,10	0.00
Tacille pavers  Pavement  All existing Subgroce prec  All monitoring Subgroce prec Sub			m2						\$	
Pavement							80	38%	\$ 26,43	7.50
Pavement		Tactile pavers	m2	24.00	450.00	10,800.00			\$	-
Milesting						-			\$	-
Subgrade prep   m2   1,200,00   5,00   6,000,00   100%   \$   6,000,00									\$	
Cripsee    m2   1200   1500   12,000.00   17   100%   \$   12,000.00										
Admin DG10									-	
Tien to existing - bandage seal							17			
Drainage			<del></del>						-	
Drainage		lie-in to existing - bandage seal	m	35	20.00	700.00		100%	\$ 70	
Supply and install new CP		Ducinomo							\$	
25mm RCRRJ lead pipe for CP - 2m long			no	2	5 500 00		00	200/	Φ 4.10	
Traffic Signals							80	36%	4,12	
Traffic Signals		22311111 RCRR3 lead pipe for CF - 2111 long	111	10	475.00				Φ •	
JUMA pole		Traffic Signals					-	+	Ψ	
Saspect lantern   Saspect   Saspec			no	6	10 000 00			+	Ψ   <b>¢</b>	
Pedestrian lantern 2 aspect				<u> </u>				+	Ψ   <b>¢</b>	
Callbox         no         6         800.00         4,800.00          \$            CCTV         no         1         10,000.00         10,000.00          \$            Ducting and cabling         m         150         500.00         75,000.00          \$            Scats loop         no         6         510.00         3,060.00          \$            Junction box         no         2         175.00         350.00          \$            TSC4 Controller         no         1         25,000.00         25,000.00          \$            Testing and commissioning         LS         1         2,000.00         2,000.00          \$            Power supply connection to existing         LS         1         20,000.00         20,000.00          \$            Roadmarking & signage         In         In <th< th=""><td></td><td></td><td></td><td>6</td><td></td><td></td><td></td><td></td><td>Ψ   \$</td><td></td></th<>				6					Ψ   \$	
CCTV         no         1         10,000.0 <td></td> <td></td> <td></td> <td>6</td> <td></td> <td></td> <td></td> <td></td> <td>Ψ   \$</td> <td></td>				6					Ψ   \$	
Ducting and cabling         m         150         500.00         75,000.00         \$				1					Ψ   \$	
Scats loop         no         6         510.00         3,060.00         \$         -				150					\$	
Junction box   no   2   175.00   350.00									\$	
TSC4 Controller         no         1         25,000.00         25,000.00         \$         -         <									\$	
Testing and commissioning         LS         1         2,000.00         2,000.00         \$         -				1					\$	
Power supply connection to existing         LS         1         20,000.00         20,000.00         \$         -           Roadmarking & signage         LS         1         20,000.00         0         5         -           Roadmarking & signage         -         -         -         5         -				1					\$	
Noadmarking & signage				1					\$	
Roadmarking & signage		sapply commenced to swaming		-	20,000.00	25,555.55			\$	
		Roadmarking & signage				_		+	\$	
		New signage	LS	1	15,000.00	15,000.00		+	·   ·	-
Road marking LS 1 30,000.00 \$ -			LS	1					\$	
\$ -						,			\$	-
T1 TOTAL (Exclusive of On-site Overheads and exclusive of Off-site 577,530.00 T1	T1					577,530.00	T1	•		
Overhead and Profit)		Overhead and Profit)								

115,506.00 T2

69,303.60 T4

693,036.00 T3=T1+T2+1A

762,339.60 T5=T3+T4

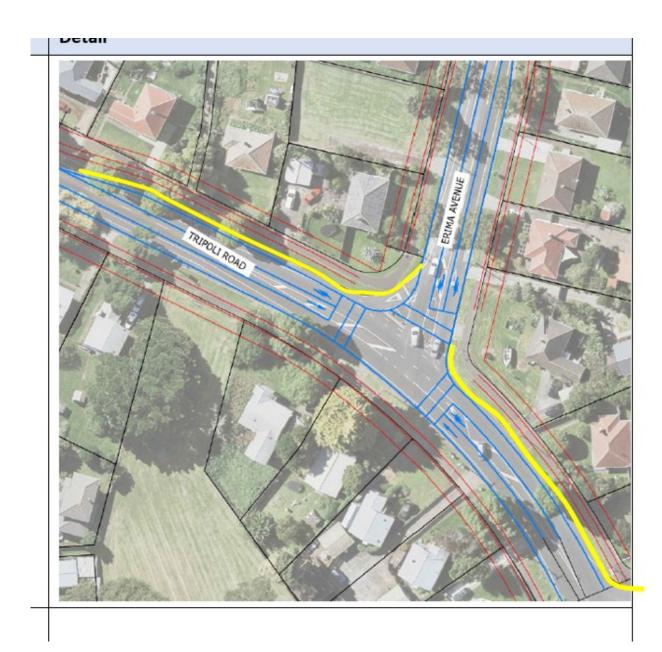
Auckland Transport

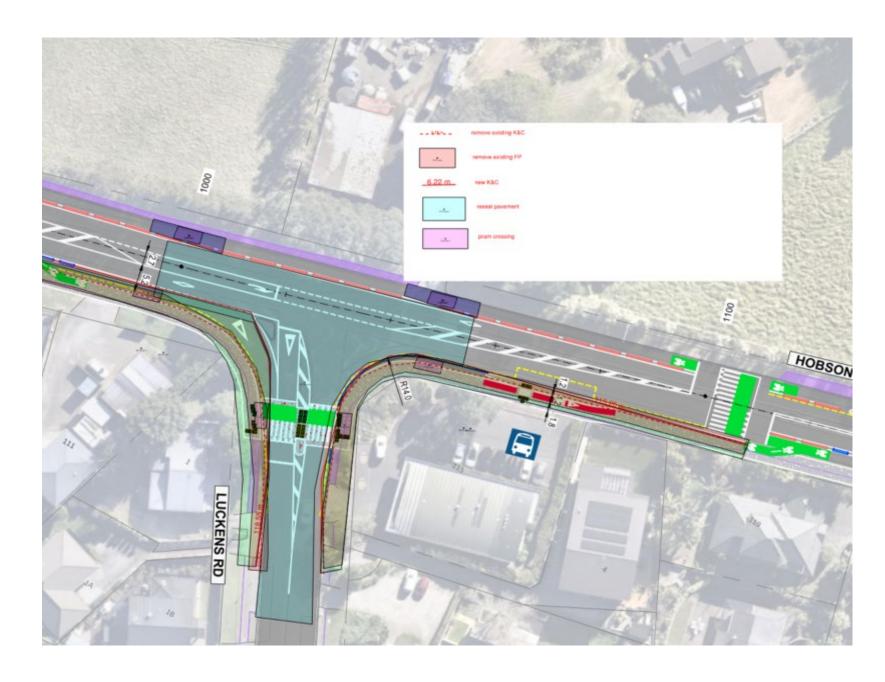
An Auckland Council Organisation



			-
			_
			-
			-
			-
			-
T6	TOTAL (excluding GST) - TO FORM OF TENDER/TENDER SUMMARY		762,339.60

Α	Net Project property Cost		
В	Project Development Phase		
	Consultancy Fees	12%	91,480.75
	AT managed costs	6%	45,740.38
	Waka Kotahi managed costs		
	Kiwirail managed costs		
	Project Development Phase Escalation		407.004.40
В	Total Project Development:		137,221.13
С	Pre-Implementation Phase		
C	Consultancy Fees	10%	76,233.96
	AT managed costs(incl consent fees)	6%	45,740.38
	Waka Kotahi managed costs	0,0	.5,7 .5.55
	Kiwirail managed costs		
	Pre-Implementation Phase Escalation		
С	Total Pre-Implementation:		121,974.34
D	Implementation Phase		
D.1	Implementation Fees (MSQA);		
	Consultancy Fees	7%	53,363.77
	AT managed costs	3%	22,870.19
	Waka Kotahi managed costs		
	Kiwirail costs(BOL related, safety personnel, permits etc) Consent monitoring fees	1%	7,623.40
	Implementation Phase Fees Escalation	1/0	7,023.40
	D.1 Subtotal Base Implementation Fees:		83,857.36
			20,000
D.2	Physical works inc. On-site Overheads, Off-site Overheads & Profit, TM &		762,339.60
	Environmental		
E	Base Estimate		1,105,392.42
F	P50	70%	773,774.69
	P50 TOTAL		1,879,167.11









# Intersection upgrade - Medium/High - Roundabout

Contract No AUCKLAND COUNCIL HOUSING

Contractor

Contractor									
	Tender Measure and Value Schedule o	f Prices				l			
Item	Description	Unit	Quantity	Rate	Amount	Ī			
1	TOTAL TRAFFIC MANAGEMENT				-				
1.1	Implementation of Traffic Management Plans.	LS	1	-	-				
2	TOTAL ENVIRONMENTAL MANAGEMENT				-				
2.1	Implementation of Environmental Management Plan.	LS	1	-	-	Lifespan (years)	Proportion (30yrs/Lifespan)	Proportion Renewal \$	Proportion Renewal %
3	PHYSICAL WORKS				581,725.00	Linespair (years)	Troportion (30)13/ Elicspany	\$ 187,010.00	
	Site Clearance & Demolition	<del>-                                    </del>			001,120100			107,010.00	-
	Breakout and remove existing kerb	m	240	45.00	10,800.00	80	38%	\$ 4,050.00	
	Breakout and remove existing catchpit	no	8	1,500.00	12,000.00	80	38%	\$ 4,500.00	
	Sawcut	m	100	20.00	2,000.00	- 00	100%	\$ 2,000.00	
	Breakout and remove existing footpath/berm	m2	480	45.00	21,600.00	50	60%	\$ 12,960.00	
					-	30		,	
	Earthworks				-				
	Cut to waste	m3	165.00	125.00	20,625.00				
		$\longrightarrow$			-				
	Concrete Works				-				
	Raised speed table - concrete	m2	300	300.00	90,000.00				
	Concrete footpath	m2	480	125.00	60,000.00	50	60%	\$ 36,000.00	
	New K&C including subsoil drainage	m	240	300.00	72,000.00	80	38%	\$ 27,000.00	
	Tactile pavers	m2	48	450.00	21,600.00				
	New concrete roundabout including concrete infill and kerb and nib	m2	380	175.00	66,500.00	75			
	Drainage	-++			<u> </u>				
	Supply and install new CP, x1 either side of each speed table	no	8	5,500.00	44,000.00	80	38%	\$ 16,500.00	
	225mm RCRRJ lead pipe for CP - 2m long	m	40	475.00	19,000.00	50		, , , , , , , , , , , , , , , , , , , ,	
					-				
	Lighting				-				
	Remove existing lightpole and dispose	no	8	1,500.00	12,000.00	30	100%	\$ 12,000.00	
	Supply and install new light pole, including trenching, ducting, cabling and connections	no	8	12,000.00	96,000.00		100%	\$ 72,000.00	
					-	30			
	Roadmarking & signage				-				
	New signage	no	24	400.00	9,600.00				
	Road marking	LS	1	20,000.00	20,000.00				
	<u> </u>								
	Landscaping & Furniture		4.00	4.000.00	-				
	Berm - topsoil and grassing	LS	1.00	4,000.00	4,000.00				





T1	TOTAL (Exclusive of On-site Overheads and exclusive of Off-site Overhead and Profit)			581,725.00	T1
T2	TOTAL ON-SITE OVERHEADS	%	20%	116,345.00	T2
Т3	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads)			698,070.00	T3=T1+T2+1A
T4	TOTAL OFF-SITE OVERHEAD & PROFIT	%	10%	69,807.00	T4
T5	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads, Off-site Overheads and Profit)			767,877.00	T5=T3+T4
PS	TOTAL PROVISIONAL SUMS (Clause 12.9)			-	PS
				-	
				-	
		1		-	
		1		-	
				-	
				-	
				-	
				-	
				-	
Т6	TOTAL (excluding GST) - TO FORM OF TENDER/TENDER SUMMARY			767,877.00	T6=T5+PS+U

Α	Net Project property Cost		
В	Project Development Phase		
	Consultancy Fees	12%	92,145.24
	AT managed costs	6%	46,072.62
	Waka Kotahi managed costs		
	Kiwirail managed costs		
_	Project Development Phase Escalation		
В	Total Project Development:		138,217.86
	Due tour law autation Dhana		
С	Pre-Implementation Phase	100/	76 707 70
	Consultancy Fees	10%	76,787.70
	AT managed costs(incl consent fees)	6%	46,072.62
	Waka Kotahi managed costs Kiwirail managed costs		
	Pre-Implementation Phase Escalation		
С	Total Pre-Implementation:		122,860.32
C	rotal rie-implementation.		122,000.32
D	Implementation Phase		
D.1	Implementation Fees (MSQA);		
	Consultancy Fees	7%	53,751.39
	AT managed costs	3%	23,036.31
	Waka Kotahi managed costs		
	Kiwirail costs(BOL related, safety personnel, permits etc)		
	Consent monitoring fees	1%	7,678.77
	Implementation Phase Fees Escalation		
	D.1 Subtotal Base Implementation Fees:		84,466.47
D.2	Physical works inc. On-site Overheads, Off-site Overheads & Profit, TM & Environmental		767,877.00
Е	Base Estimate		1,113,421.65
F	P50	70%	779,395.16
	P50 TOTAL		1,892,816.81





# Intersection upgrade – Medium/High - Signals

Contract No AUCKLAND COUNCIL HOUSING

**Contract Name Contractor** 

Tondor	Moseuro	and Value	Schodulo	of Drices
	Measure	and value		

Item	Description	Unit	Quantity	Rate	Amount	
1	TOTAL TRAFFIC MANAGEMENT					j
1.1	Implementation of Traffic Management Plans.	LS	1	_	-	
	Implementation of Traine Management Flane.	+	•		_	
2	TOTAL ENVIRONMENTAL MANAGEMENT				-	
2.1	Implementation of Environmental Management Plan.	LS	1	-	-	
	DINOIS II WARKS					Lifespan (years
3	PHYSICAL WORKS				744,717.50	
	Project 3	LS	1.00	577,530.00	577,530.00	
					-	
	Lighting				-	
	Remove existing lightpole and dispose	no	8.00	1,500.00	12,000.00	
	Supply and install new light pole, including trenching, ducting, cabling and connections	no	8.00	12,000.00	96,000.00	
	Services	+			-	
	Relocate services - minor	LS	1.00	50,000.00	50,000.00	
	Treference del violes Trimier	+==	1.00	33,000.00	-	
	Concrete Works				-	
	Vehicle crossing	m2	52.50	175.00	9,187.50	
					-	
T1	TOTAL (Exclusive of On-site Overheads and exclusive of Off-site Overhead and Profit)				744,717.50	T1
T2	TOTAL ON-SITE OVERHEADS	%		20%	148,943.50	T2
T3	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads)				893,661.00	T3=T1+T2+1A
T4	TOTAL OFF-SITE OVERHEAD & PROFIT	%		10%	89,366.10	T4
T5	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads, Off-site Overheads and Profit)				983,027.10	T5=T3+T4
PS	TOTAL PROVISIONAL SUMS (Clause 12.9)				-	PS
					-	
					-	
					-	
					-	
					-	
					-	
					-	
					-	
T6	TOTAL (excluding GST) - TO FORM OF TENDER/TENDER SUMMARY				983,027.10	T6=T5+PS+U



Proportion (30yrs/Lifespan)

100%

100%

Proportion Renewal \$ Proportion Renewal %

273,580.75

189,580.75

12,000.00

72,000.00



Α	Net Project property Cost		
В	Project Development Phase		
	Consultancy Fees	12%	117,963.25
	AT managed costs	6%	58,981.63
	Waka Kotahi managed costs		
	Kiwirail managed costs		
	Project Development Phase Escalation		
В	Total Project Development:		176,944.88
С	Pre-Implementation Phase		
	Consultancy Fees	10%	98,302.71
	AT managed costs(incl consent fees)	6%	58,981.63
	Waka Kotahi managed costs		
	Kiwirail managed costs		
	Pre-Implementation Phase Escalation		
С	Total Pre-Implementation:		157,284.34
D	Implementation Phase		
D.1	Implementation Fees (MSQA);		
	Consultancy Fees	7%	68,811.90
	AT managed costs	3%	29,490.81
	Waka Kotahi managed costs		
	Kiwirail costs(BOL related, safety personnel, permits etc)		
	Consent monitoring fees	1%	9,830.27
	Implementation Phase Fees Escalation		
	D.1 Subtotal Base Implementation Fees:		108,132.98
D.2	Dhurian Luarda ina Or sita Ovarbanda Off sita Ovarbanda 9 Dunfit TM 9 Environmental		002 027 10
D.Z	Physical works inc. On-site Overheads, Off-site Overheads & Profit, TM & Environmental		983,027.10
Е	Base Estimate		1,425,389.30
_			_,,
F	P50	70%	997,772.51
	P50 TOTAL		2,423,161.80
			, :,====





# Intersection upgrade - High - Roundabout

Contract No AUCKLAND COUNCIL HOUSING

**Contract Name Contractor** 

Tender Measure and Value Schedule of	f Prices
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Item	Description	Unit	Quantity	Rate	Amount				
1	TOTAL TRAFFIC MANAGEMENT				-	]			
1.1	Implementation of Traffic Management Plans.	LS	1	-	-				
					-				
2	TOTAL ENVIRONMENTAL MANAGEMENT				-	<u> </u>			
2.1	Implementation of Environmental Management Plan.	LS	1	-	-		I		
2	DUVOLO AL MODIZO				4 400 050 00	Lifespan (years)	Proportion (30yrs/Lifespan)	Proportion Renewal \$	Proportion Renewal %
3	PHYSICAL WORKS				1,128,950.00			\$ 628,118.75	29%
	Site Clearance & Demolition	0	1 500 00	45.00	67 500 00		60%	ф 40.500.00	
	Breakout and remove existing footpath/berm/traffic island	m2	1,500.00	45.00	67,500.00	50		\$ 40,500.00	
	Breakout and remove existing kerb & channel	m	270.00	45.00	12,150.00	80	38%	\$ 4,556.25 \$ 6,750.00	
	Breakout and remove existing catchpit	no	12.00	1,500.00	18,000.00	80	38%	\$ 6,750.00	
	Remove existing signs	LS	1.00	20,000.00	20,000.00				
	Remove existing roadmarking	LS	1.00	20,000.00	20,000.00				
	Remove existing trees	no	5.00	2,000.00	10,000.00				
	General site clearance	LS	1.00	10,000.00	10,000.00				
					-				
	Earthworks				-				
	Cut to waste	m3	380.00	125.00	47,500.00				
					-				
	Pavement Works				-				
	Remediate exisitng								
	Mill existing surface	m2	3,600.00	20.00	72,000.00	17	100%		
	Sawcut	m	70.00	20.00	1,400.00	17	100%		
	Subgrade prep	m2	3,600.00	5.00	18,000.00	17	100%	\$ 18,000.00	
	Chipseal	m2	3,600.00	10.00	36,000.00	17	100%		
	40mm DG10	m2	3,600.00	55.00	198,000.00	17	100%	\$ 198,000.00	
	Tie-in to existing - bandage seal	m	70	20.00	1,400.00	17			
					-				
	New Pavement Layer				-				
	300mm GAP65	m3	120.00	175.00	21,000.00	100	30%	\$ 6,300.00	
	200mm M4 Basecourse	m3	80.00	200.00	16,000.00	100	30%	\$ 4,800.00	
	Chipseal	m2	400.00	10.00	4,000.00				
	40mm DG10	m2	400.00	55.00	22,000.00				
					-				





RAB		IDAD	_	1		1	-	T	<del></del>		1
AB mountable korb   m   80.00   20.00				150.00	175.00				$+\!\!-\!\!\!-$		
Commission   Part   Commission   Commissio			-						$+\!-\!$		-
100mm Carolen fix				<u> </u>					+-		<u> </u>
Mulch		· · · · · · · · · · · · · · · · · · ·							$+\!\!\!-\!\!\!\!+$		
Concrete Works Concrete Norths									+-		1
Concente footpath		INILICIT	1112	300.00	30.00	13,000.00			+-		+
Concente footpath									+-		
Concente footpath		Concrete Works	+			_			+-		+
Vehicle crossings			m2	400.00	125.00	50,000.00	50	60%	\$	30,000.00	+
Drainage						-			+	·	
Drainage		New K&C including subsoil drainage	m	205.00	300.00	61,500.00	80	38%	\$	23,062.50	
Supply and install new CP x1 either side of each road   no   12.00   5,500.00   66,000.00   80   38%   \$ 24,750.00											
Supply and install new CP x1 either side of each road   no   12.00   5,500.00   66,000.00   80   38%   \$ 24,750.00											
225mm RCRRJ lead pipe for CP - 2m long   m   60.00   475.00   28,500.00									4.		
Lighting							80	38%	\$	24,750.00	<u> </u>
Lighting   Remove existing lightpole and dispose   no   12.00   1,500.00   18,000.00   30   100%   \$ 18,000.00		225mm RCRRJ lead pipe for CP - 2m long	m	60.00	4/5.00				$+\!-\!$		<u> </u>
Remove existing lightpole and dispose   no   12.00   15.00.00   30   30% \$ 18.000.00		Lighting	-						+-		<u> </u>
Supply and install new light pole, including trenching, ducting, cabling and   12.00   12.000.00   144,000.00   30   100% \$ 144,000.00			no	12.00	1 500 00		20	10	00/ \$	18 000 00	<u> </u>
Roadmarking & signage						-					
Landscaping & Furniture		eappry and metaliness light pole, including a choming, adoling and	110	12.00	12,000.00	111,000.00	30	, 10	776 V	111,000.00	
Landscaping & Furniture		Roadmarking & signage	LS	1	20,000.00	20,000.00					
Berm - topsoil and grassing						-					<u> </u>
T1 TOTAL (Exclusive of On-site Overheads and exclusive of Off-site Overhead and Profit)  T2 TOTAL ON-SITE OVERHEADS			<u>ا                                     </u>						—		
TOTAL (Exclusive of On-site Overheads and exclusive of Off-site Overhead and Profit)   1,128,950.00   T1		Berm - topsoil and grassing	LS	1.00	5,000.00	-			+		┼──
T3 TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads)  T4 TOTAL OFF-SITE OVERHEAD & PROFIT  T5 TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads, Off-site Overheads and Profit)  PS TOTAL PROVISIONAL SUMS (Clause 12.9)  T0 TOTAL PROV	T1	·					T1	Į.			
T4 TOTAL OFF-SITE OVERHEAD & PROFIT	T2	TOTAL ON-SITE OVERHEADS	%		20%	225,790.00	T2				
T5 TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads, Off-site Overheads and Profit)  PS TOTAL PROVISIONAL SUMS (Clause 12.9)	Т3	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads)				1,354,740.00	T3=T1+T2+1A				
PS TOTAL PROVISIONAL SUMS (Clause 12.9)	T4	TOTAL OFF-SITE OVERHEAD & PROFIT	%		10%	135,474.00	T4				
	T5	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads, Off-site	Overhe	eads and Profit)		1,490,214.00	T5=T3+T4				
	PS	TOTAL PROVISIONAL SUMS (Clause 12.9)				-	PS				
						-					
						-					
						-					
			_				-				
			-				-				
							1				
			1				1				
T6 TOTAL (excluding GST) - TO FORM OF TENDER/TENDER SUMMARY 1,490,214.00 T6=T5+PS+U						-	1				
10 TOTAL (excitating GST) - TO FORM OF TENDER/TENDER/SUMMART— 1,430,214.00	T6	TOTAL (excluding GST), TO FORM OF TENDER/TENDER SUMMARY				1 490 244 00	T6-TE LDC LL				
	10	TOTAL (excluding GST) - TO FORM OF TENDER/TENDER SUMMARY				1,490,214.00	] -12+42+U				





Α	Net Project property Cost		
В	Project Development Phase		
	Consultancy Fees	12%	178,825.68
	AT managed costs	6%	89,412.84
	Waka Kotahi managed costs		
	Kiwirail managed costs		
	Project Development Phase Escalation		260 220 52
В	Total Project Development:		268,238.52
С	Dro Implementation Phase		
C	Pre-Implementation Phase	10%	149,021.40
	Consultancy Fees AT managed costs(incl consent fees)	6%	89,412.84
	Waka Kotahi managed costs	070	09,412.04
	Kiwirail managed costs		
	Pre-Implementation Phase Escalation		
С	Total Pre-Implementation:		238,434.24
· ·	Total Te implementation		200,10-112-1
D	Implementation Phase		
D.1	Implementation Fees (MSQA);		
	Consultancy Fees	70/	10101100
	constitution reco	7%	104,314.98
	AT managed costs	7% 3%	104,314.98 44,706.42
	·		-
	AT managed costs		-
	AT managed costs Waka Kotahi managed costs		-
	AT managed costs  Waka Kotahi managed costs  Kiwirail costs(BOL related, safety personnel, permits etc)	3%	44,706.42
	AT managed costs  Waka Kotahi managed costs  Kiwirail costs(BOL related, safety personnel, permits etc)  Consent monitoring fees	3%	44,706.42
	AT managed costs Waka Kotahi managed costs Kiwirail costs(BOL related, safety personnel, permits etc) Consent monitoring fees Implementation Phase Fees Escalation  D.1 Subtotal Base Implementation Fees:	3%	14,902.14 163,923.54
D.2	AT managed costs Waka Kotahi managed costs Kiwirail costs(BOL related, safety personnel, permits etc) Consent monitoring fees Implementation Phase Fees Escalation  D.1 Subtotal Base Implementation Fees:  Physical works inc. On-site Overheads, Off-site Overheads & Profit, TM &	3%	14,902.14
D.2	AT managed costs Waka Kotahi managed costs Kiwirail costs(BOL related, safety personnel, permits etc) Consent monitoring fees Implementation Phase Fees Escalation  D.1 Subtotal Base Implementation Fees:	3%	14,902.14 163,923.54
	AT managed costs Waka Kotahi managed costs Kiwirail costs(BOL related, safety personnel, permits etc) Consent monitoring fees Implementation Phase Fees Escalation  D.1 Subtotal Base Implementation Fees:  Physical works inc. On-site Overheads, Off-site Overheads & Profit, TM & Environmental	3%	14,706.42 14,902.14 163,923.54 1,490,214.00
D.2	AT managed costs Waka Kotahi managed costs Kiwirail costs(BOL related, safety personnel, permits etc) Consent monitoring fees Implementation Phase Fees Escalation  D.1 Subtotal Base Implementation Fees:  Physical works inc. On-site Overheads, Off-site Overheads & Profit, TM &	3%	14,902.14 163,923.54
E	AT managed costs Waka Kotahi managed costs Kiwirail costs(BOL related, safety personnel, permits etc) Consent monitoring fees Implementation Phase Fees Escalation  D.1 Subtotal Base Implementation Fees:  Physical works inc. On-site Overheads, Off-site Overheads & Profit, TM & Environmental  Base Estimate	3%	14,706.42 14,902.14 163,923.54 1,490,214.00 2,160,810.30
	AT managed costs Waka Kotahi managed costs Kiwirail costs(BOL related, safety personnel, permits etc) Consent monitoring fees Implementation Phase Fees Escalation  D.1 Subtotal Base Implementation Fees:  Physical works inc. On-site Overheads, Off-site Overheads & Profit, TM & Environmental	3%	14,706.42 14,902.14 163,923.54 1,490,214.00





# Intersection upgrade - High - Traffic Signals

Contract No
Contract Name
Contractor

AUCKLAND COUNCIL HOUSING

Tender Measure ar	auleV hr	Schadula	of Price
i elluel Measule al	iu vaiue	ochedul	OF PIECE

Item	Description Description	Unit	Quantity	Rate	Amount				
1	TOTAL TRAFFIC MANAGEMENT				-				
1.1	Implementation of Traffic Management Plans.	LS	1	-	-				
					-				
2	TOTAL ENVIRONMENTAL MANAGEMENT				-				
2.1	Implementation of Environmental Management Plan.	LS	1	-	-				
						Lifespan (years)	Proportion (30yrs/Lifespan)		Proportion Renewal %
3	PHYSICAL WORKS				1,412,080.00			\$ 602,776.88	22%
	Site Clearance & Demolition								
	Breakout and remove existing footpath/berm/traffic island	m2	665.00	45.00	29,925.00	50	60%	\$ 17,955.00	
	Breakout and remove existing kerb & channel	m	315.00	45.00	14,175.00	80	38%	\$ 5,315.63	
	Breakout and remove existing catchpit	no	10.00	1,500.00	15,000.00	80	38%	\$ 5,625.00	
	Remove existing signs	LS	1.00	20,000.00	20,000.00				
	Remove existing roadmarking	LS	1.00	20,000.00	20,000.00				
		L							
	General site clearance	LS	1.00	10,000.00	10,000.00				
					-				
	Earthworks				-				
	Cut to waste	m3	520.00	125.00	65,000.00				
					-				
	Pavement Works				-				
	Remediate exisitng								
	Mill existing surface	m2	3,300.00	20.00	66,000.00	17		\$ 66,000.00	
	Sawcut	m	60.00	20.00	1,200.00	17		\$ 1,200.00	
	Subgrade prep	m2	3,300.00	5.00	16,500.00	17	100%	\$ 16,500.00	
	Chipseal	m2	3,300.00	10.00	33,000.00	17		\$ 33,000.00	
	40mm DG10	m2	3,300.00	55.00	181,500.00	17		\$ 181,500.00	
	Tie-in to existing - bandage seal	m	60.00	20.00	1,200.00	17	100%	\$ 1,200.00	
					-				
	New Pavement Layer				-				
	300mm GAP65	m3	240.00	175.00	42,000.00	100		\$ 12,600.00	
	200mm M4 Basecourse	m3	160.00	200.00	32,000.00	100	30%	\$ 9,600.00	
	Chipseal	m2	800.00	10.00	8,000.00				
	40mm DG10	m2	800.00	55.00	44,000.00				
					-				
	RAB				-				
	300mm GAP65	m3	90.00	175.00	15,750.00				
	RAB mountable kerb	m	60.00	200.00	12,000.00				
	200mm Topsoil	m2	300.00	100.00	30,000.00				





**TOTAL PROVISIONAL SUMS (Clause 12.9)** 

Moran   No.   Str.											
Concrete Works Concrete Sociation Concrete Sociation Concrete Sociation Concrete Sociation Concrete Sociation Res Scientified On Res Scie											
Concrete Works		Mulch	m2	300.00	30.00	9,000.00					
Concrete footglanh		Concrete Works									
Moth & Charmer    m   300 00   300 00   90,000 00   80   39%   \$   33,750.00			m2	600.00	125.00			60%	Ф.	45,000,00	
Drainage		•	_			•					
Supply and install new CP, It alther side of each road   no   10,00   5,500.00   55,000.00   80   38%   \$ 20,625.00		Kerb & channel	m	300.00	300.00	90,000.00	80	38%	<b>a</b>	33,750.00	
Supply and install new CP, It alters also of leach road   no   10,00   5,000,00   5,000,00   88   38%   \$ 20,825,00											
25mm RCRRJ lead pipe for CP - 2m long		Drainage				-					
25mm RCRRJ lead pipe for CP - 2m long		Supply and install new CP, x1 either side of each road	no	10.00	5,500.00	55,000.00	80	38%	\$	20,625.00	
Lighting   Supply and install new light pole, including trenching, ducling, cabling and   no   12.00   12.00.00   144.000.00   30   100%   \$ 144.000.00		225mm RCRRJ lead pipe for CP - 2m long	m	50.00	475.00	23,750.00		38%	\$	8,906.25	
Supply and install new light pole, including trenching, ducting, cabling and reference in the first Signals   1,400.00   1,400.00   30   100%   \$ 144,000.00						-					
Traffic Signals		Lighting				-					
Traffic Signals		Supply and install new light pole, including trenching, ducting, cabling and	no	12.00	12,000.00	144,000.00	30	100%	\$	144,000.00	
Defended						-					
JUMA, including luminaire and lantern						1					
Saspect lantern		per road				-					
Pedestrian lantem 2 aspect		JUMA, including luminaire and lantern	no	2	5,500.00						
Callbox		3 aspect lantern	no	4	1,050.00						
Scats loop		Pedestrian lantern 2 aspect	no	2	800.00						
Ducting & cabling		Callbox	no	2	800.00						
CCTV		Scats loop	no	2	510.00						
Junction box		Ducting & cabling	m	50	500.00						
TSC4 Controller		CCTV	LS	1	1,500.00						
Testing and commissioning  LS 1 2,000.00  Power supply connection to existing  LS 1 5,000.00 313,080.00  Roadmarking & signage  LS 1 20,000.00 20,000.00  Landscaping & Furniture  Berm - topsoil and grassing  LS 1.00 10,000.00 10,000.00  T1 TOTAL (Exclusive of On-site Overheads and exclusive of Off-site Overhead and Profit)  T2 TOTAL ON-SITE OVERHEADS  W 20% 282,416.00  T3 TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads)  T4 TOTAL OFF-SITE OVERHEAD & PROFIT  W 10% 169,4496.00  T4		Junction box	no	2	175.00						
Power supply connection to existing		TSC4 Controller	no	1	25,000.00						
Roadmarking & signage		Testing and commissioning	LS	1	2,000.00						
Landscaping & Furniture  Berm - topsoil and grassing  LS 1.00 10,000.00 10,000.00  T1 TOTAL (Exclusive of On-site Overheads and exclusive of Off-site Overhead and Profit)  T2 TOTAL ON-SITE OVERHEADS  % 20% 282,416.00 T2  T3 TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads)  T4 TOTAL OFF-SITE OVERHEAD & PROFIT  % 10% 169,449.60  T4		Power supply connection to existing	LS	1	5,000.00	313,080.00					
Landscaping & Furniture  Berm - topsoil and grassing  LS 1.00 10,000.00 10,000.00  T1 TOTAL (Exclusive of On-site Overheads and exclusive of Off-site Overhead and Profit)  T2 TOTAL ON-SITE OVERHEADS  % 20% 282,416.00 T2  T3 TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads)  T4 TOTAL OFF-SITE OVERHEAD & PROFIT  % 10% 169,449.60 T4											
Landscaping & Furniture		Roadmarking & signage	LS	1	20,000.00	20,000.00					
Berm - topsoil and grassing						1					
T1 TOTAL (Exclusive of On-site Overheads and exclusive of Off-site Overhead and Profit)  T2 TOTAL ON-SITE OVERHEADS						-					
Overhead and Profit)         20%         282,416.00         T2           T3         TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads)         1,694,496.00         T3=T1+T2+1A           T4         TOTAL OFF-SITE OVERHEAD & PROFIT         %         10%         169,449.60		Berm - topsoil and grassing	LS	1.00	10,000.00	10,000.00					
Overhead and Profit)         20%         282,416.00         T2           T3         TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads)         1,694,496.00         T3=T1+T2+1A           T4         TOTAL OFF-SITE OVERHEAD & PROFIT         %         10%         169,449.60						1					
T3 TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads)  T4 TOTAL OFF-SITE OVERHEAD & PROFIT  M 10% 169,449.60  T4  T4  T4  T5  T6  T6  T6  T6  T6  T6  T6  T7  T6  T7  T7	T1					1,412,080.00	T1				
T4 TOTAL OFF-SITE OVERHEAD & PROFIT	T2	TOTAL ON-SITE OVERHEADS	%		20%	282,416.00	T2				
	Т3	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads)				1,694,496.00	T3=T1+T2+1A				
T5 TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads, Off-site Overheads and Profit) 1,863,945.60 T5=T3+T4	T4	TOTAL OFF-SITE OVERHEAD & PROFIT	%		10%	169,449.60	Т4				
	T5	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads, Off-site	Overl	neads and Profit)		1,863,945.60	T5=T3+T4				





			-	
			-	
			-	
			-	
			-	
Т6	TOTAL (excluding GST) - TO FORM OF TENDER/TENDER SUMMARY		1,863,945.60	T6=T5+PS+U

Α	Net Project property Cost		
В	Project Development Phase		
	Consultancy Fees	12%	223,673.47
	AT managed costs	6%	111,836.74
	Waka Kotahi managed costs		
	Kiwirail managed costs		
	Project Development Phase Escalation		
В	Total Project Development:		335,510.21
С	Pre-Implementation Phase		
	Consultancy Fees	10%	186,394.56
	AT managed costs(incl consent fees)	6%	111,836.74
	Waka Kotahi managed costs		
	Kiwirail managed costs		
	Pre-Implementation Phase Escalation		
С	Total Pre-Implementation:		298,231.30
	lucular autation Phase		
D	Implementation Phase		
D.1	Implementation Fees (MSQA);	70/	120 476 10
	Consultancy Fees	7%	130,476.19
	AT managed costs	3%	55,918.37
	Waka Kotahi managed costs		
	Kiwirail costs(BOL related, safety personnel, permits etc)	1%	10 620 46
	Consent monitoring fees Implementation Phase Fees Escalation	1%	18,639.46
	D.1 Subtotal Base Implementation Fees:		205,034.02
	D.1 Subtotal base implementation rees.		205,054.02
D.2	Physical works inc. On-site Overheads, Off-site Overheads & Profit, TM &		1,863,945.60
0.2	Environmental		1,003,543.00
	Livitorimental		
Е	Base Estimate		2,702,721.12
L	base Estimate		2,702,721.12
F	P50	70%	1,891,904.78
	P50 TOTAL		4,594,625.90





# Midblock - Low

AUCKLAND COUNCIL HOUSING **Contract No** 

**Contract Name** Contractor

Item	Description Description	Unit	Quantity	Rate	Amount				
1	TOTAL TRAFFIC MANAGEMENT				-				
1.1	Implementation of Traffic Management Plans.	LS	1	-	-				
					-				
2	TOTAL ENVIRONMENTAL MANAGEMENT				-				
2.1	Implementation of Environmental Management Plan.	LS	1	-	-				
						Lifespan (years)	Proportion (30yrs/Lifespan)		
3	PHYSICAL WORKS				1,977,625.00			\$ 408,000.00	11%
	Site Clearance & Demolition								
	Breakout and remove existing footpath/berm	m2	4000	45.00	180,000.00	50	60%	\$ 108,000.00	
	Remove existing signs	LS	1	20,000.00	20,000.00				
	Remove existing roadmarking	LS	1	20,000.00	20,000.00				
	General site clearance	LS	1	10,000.00	10,000.00				
					-				
	Concrete Works				-				
	Cycle separators	m	2000	500.00	1,000,000.00				
	Concrete footpath	m2	4000	125.00	500,000.00	50	60%	\$ 300,000.00	
					-				
	Drainage				-				
	Upgrade catchpit to cycle friendly grate	no	50	1,500.00	75,000.00				
					-				
	Roadmarking & signage				-				
	White centreline, 100mm, continuous, long life	m	2,000.00	10.00	20,000.00				
	White lane lines, 100mm, continous, long life	m	4,000.00	10.00	40,000.00				
	Yellow NSATT line , 100mm, 1m stripe, 1m gap, long life	m	850	12.50	10,625.00				
	Green surfacing	m2	800	65.00	52,000.00				
	Signage	m	1000	50.00	50,000,00		<b>†</b>	1	

	Crosh surfacing		000	00.00	02,000.00	
	Signage	m	1000	50.00	50,000.00	
					-	
T1	TOTAL (Exclusive of On-site Overheads and exclusive of Off-site Overhead and Profit)				1,977,625.00	T1
T2	TOTAL ON-SITE OVERHEADS	%		20%	395,525.00	T2
Т3	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads)				2,373,150.00	T3=T1+T2+1A
T4	TOTAL OFF-SITE OVERHEAD & PROFIT	%		10%	237,315.00	T4
T5	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads, Off-site Overheads and Profit)				2,610,465.00	T5=T3+T4
PS	TOTAL PROVISIONAL SUMS (Clause 12.9)					PS
					-	
					-	
					-	
					-	
					-	
					-	
					-	
					-	
T6	TOTAL (excluding GST) - TO FORM OF TENDER/TENDER SUMMARY				2,610,465.00	T6=T5+PS+U

Tender Measure and Value Schedule of Prices

5.00 T6=T5+PS+U





Α	Net Project property Cost		
В	Project Development Phase		
	Consultancy Fees	12%	313,255.80
	AT managed costs	6%	156,627.90
	Waka Kotahi managed costs		
	Kiwirail managed costs		
	Project Development Phase Escalation		
В	Total Project Development:		469,883.70
С	Pre-Implementation Phase	400/	264 246 52
	Consultancy Fees	10%	261,046.50
	AT managed costs(incl consent fees)	6%	156,627.90
	Waka Kotahi managed costs		
	Kiwirail managed costs		
•	Pre-Implementation Phase Escalation		447.674.40
С	Total Pre-Implementation:		417,674.40
D	Implementation Phase		
D.1	Implementation Friase Implementation Fees (MSQA);		
<b>D.1</b>	Consultancy Fees	7%	182,732.55
	AT managed costs	3%	78,313.95
	Waka Kotahi managed costs	3/0	76,313.93
	Kiwirail costs(BOL related, safety personnel, permits etc)		
	Consent monitoring fees	1%	26,104.65
	Implementation Phase Fees Escalation	170	20,104.03
	D.1 Subtotal Base Implementation Fees:		287,151.15
D.2	Physical works inc. On-site Overheads, Off-site Overheads & Profit, TM & Environmental		2,610,465.00
	,		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Е	Base Estimate		3,785,174.25
F	P50	70%	2,649,621.98
	P50 TOTAL		6,434,796.23





# Midblock - Medium

Description

Contract No AUCKLAND COUNCIL HOUSING

**Contract Name Contractor** 

### Tender Measure and Value Schedule of Prices

Quantity

Rate

1	TOTAL TRAFFIC MANAGEMENT				-				
1.1	Implementation of Traffic Management Plans.	LS	1	-	-				
					-				
2	TOTAL ENVIRONMENTAL MANAGEMENT				-				
2.1	Implementation of Environmental Management Plan.	LS	1	-	-				
						Lifespan (years)	Proportion (30yrs/Lifespan)	Proportion Renewal \$	Proportion Renewal %
3	PHYSICAL WORKS				4,146,175.00			\$ 1,374,425.00	
	Site Clearance & Demolition								
	Breakout and remove existing footpath/berm	m2	3,900.00	45.00	175,500.00	50	60%	\$ 105,300.00	
	Breakout and remove existing kerb & channel	m	1,000.00	45.00	45,000.00	80	38%	\$ 16,875.00	
	Breakout and remove existing catchpit	no	25.00	1,500.00	37,500.00	80	38%	\$ 14,062.50	
	Remove existing signs	LS	1.00	20,000.00	20,000.00				
	Remove existing roadmarking	LS	1.00	20,000.00	20,000.00				
	General site clearance	LS	1.00	10,000.00	10,000.00				
	Mill existing pavement for new FP	m2	4,800.00	20.00	96,000.00				
					-				
	Earthworks				-				
	Cut to waste - new FP area	m3	1,740.00	125.00	217,500.00				
	Concrete Works				-				
	Concrete footpath	m2	5,662.50	125.00	707,812.50	50	60%	\$ 424,687.50	
	Vehicle crossings	m2	437.50	175.00	76,562.50	50	0070	Ψ ΨΣΨ,007.50	
	Kerb & channel	m	1,000.00	300.00	300,000.00	80	38%	\$ 112,500.00	
	Zebra crossing	no	3.00	37,100.00	111,300.00	80	3070	Ψ 112,300.00	
	400mm wide concrete dish channel	m	2,000.00	200.00	400,000.00				
	400mm wide condicte distriction	<del>  '''  </del>	2,000.00	200.00	+00,000.00				
	Pavement				-				
	Mill existing	m2	7,000.00	20.00	140,000.00	17	100%	\$ 140,000.00	
	Subgrade prep	m2	7,000.00	5.00	35,000.00	17			
	Chipseal	m2	7,000.00	10.00	70,000.00	17	100%		
	40mm DG10	m2	7,000.00	55.00	385,000.00	17	100%		
	Tie-in to existing - bandage seal	m	1,000.00	20.00	20,000.00	17	100%		
	Drainage								
			25.00	1,500.00	37,500.00				
	Upgrade catchpit to cycle friendly grate	no	25.00	1,500.00	37,500.00				
	Lighting				-				
	Remove existing lightpole and dispose	no	34.00	1,500.00	51,000.00	30.00	100%	\$ 51,000.00	
	Supply and install new light pole, including trenching, ducting, cabling and	no	34.00	12,000.00	408,000.00	30	100%	\$ 408,000.00	

Amount





	Roadmarking & signage				-	
	White centreline, 100mm, continuous, long life	m	1,000.00	10.00	10,000.00	
	White lane lines, 100mm, continous, long life	m	1,000.00	10.00	10,000.00	
	Yellow NSATT line , 100mm, 1m stripe, 1m gap, long life	m	1,000.00	12.50	12,500.00	
	Green surfacing	m2	800.00	65.00	52,000.00	
	Signage	m	1,000.00	50.00	50,000.00	
	Landscaping and Furniture					
	Remove existing bus shelter and replace - 2.2x4.2m including concrete	no	3.00	30,000.00	90,000.00	
	Berm - topsoil and grassing	m2	1,800.00	110.00	198,000.00	
	Tree - medium size - including tree pit	no	100.00	3,500.00	350,000.00	
	General planting	LS	1.00	10,000.00	10,000.00	
					-	
T1	TOTAL ( <i>Exclusive of On-site Overheads and exclusive of Off-site Overhead and Profit</i> )				4,146,175.00	T1
T2	TOTAL ON-SITE OVERHEADS	%		20%	829,235.00	T2
T3	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads)				4,975,410.00	T3=T1+T2+1A
T4	TOTAL OFF-SITE OVERHEAD & PROFIT	%		10%	497,541.00	T4
T5	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads, Off-site	e Overl	neads and Profit)		5,472,951.00	T5=T3+T4
PS						4
	TOTAL PROVISIONAL SUMS (Clause 12.9)				-	PS
	TOTAL PROVISIONAL SUMS (Clause 12.9)				-	PS
	TOTAL PROVISIONAL SUMS (Clause 12.9)				-	PS 
	TOTAL PROVISIONAL SUMS (Clause 12.9)				-	PS
	TOTAL PROVISIONAL SUMS (Clause 12.9)				-	PS
	TOTAL PROVISIONAL SUMS (Clause 12.9)				-	PS
	TOTAL PROVISIONAL SUMS (Clause 12.9)				- - - -	PS
	TOTAL PROVISIONAL SUMS (Clause 12.9)				- - - - -	PS
	TOTAL PROVISIONAL SUMS (Clause 12.9)				- - - -	PS
T6	TOTAL PROVISIONAL SUMS (Clause 12.9)  TOTAL (excluding GST) - TO FORM OF TENDER/TENDER SUMMARY				- - - - -	

Α	Net Project property Cost		
В	Project Development Phase		
	Consultancy Fees	12%	656,754.12
	AT managed costs	6%	328,377.06
	Waka Kotahi managed costs		
	Kiwirail managed costs		
	Project Development Phase Escalation		
В	Total Project Development:		985,131.18
С	Pre-Implementation Phase		
	Consultancy Fees	10%	547,295.10
	AT managed costs(incl consent fees)	6%	328,377.06
	Waka Kotahi managed costs		
	Kiwirail managed costs		
	Pre-Implementation Phase Escalation		
С	Total Pre-Implementation:		875,672.16



### Sensitivity: General



D D.1	Implementation Phase Implementation Fees (MSQA);		
5.1	Consultancy Fees	7%	383,106.57
	AT managed costs	3%	164,188.53
	Waka Kotahi managed costs		•
	Kiwirail costs(BOL related, safety personnel, permits etc)		
	Consent monitoring fees	1%	54,729.51
	Implementation Phase Fees Escalation		
	D.1 Subtotal Base Implementation Fees:		602,024.61
D.2	Physical works inc. On-site Overheads, Off-site Overheads & Profit, TM & Environmental		5,472,951.00
Е	Base Estimate		7,935,778.95
F	P50	70%	5,555,045.27
	P50 TOTAL		13,490,824.22





# Midblock - High

Description

Contract No AUCKLAND COUNCIL HOUSING

**Contract Name Contractor** 

# Tender Measure and Value Schedule of Prices

Quantity

Rate

Amount

1	TOTAL TRAFFIC MANAGEMENT				-					
1.1	Implementation of Traffic Management Plans.	LS	1	-	-	Road Length				
					-					
2	TOTAL ENVIRONMENTAL MANAGEMENT				-					
2.1	Implementation of Environmental Management Plan.	LS	1	-	-					
					-	Lifespan (years)	Proportion (30yrs/Lifespan)	Proporti	ion Renewal \$	Proportion Renewal %
3	PHYSICAL WORKS				6,873,384.00			\$	2,439,671.88	19%
	Site Clearance & Demolition									
	Breakout and remove existing footpath/berm	m2	10,000.00	45.00	450,000.00	50	60%	\$	270,000.00	
	Breakout and remove existing kerb & channel	m	2,000.00	45.00	90,000.00	80	38%	\$	33,750.00	
	Breakout and remove existing catchpit	no	50.00	1,500.00	75,000.00	80	38%	\$	28,125.00	
	Remove existing signs	LS	1.00	20,000.00	20,000.00					
	Remove existing roadmarking	LS	1.00	20,000.00	20,000.00					
	General site clearance	LS	1.00	10,000.00	10,000.00					
	Mill existing pavement for new FP area	m2	3,400.00	20.00	68,000.00					
	Earthworks				-					
	Cut to waste	m3	2,680.00	125.00	335,000.00					
		10	2,000.00	120.00	-					
	Pavement Works				-					
	Mill existing surface	m2	9,600.00	20.00	192,000.00		10	00% \$	192,000.00	
	Sawcut	m	2,000.00	20.00	40,000.00		10	00% \$	40,000.00	
	Subgrade prep	m2	9,600.00	5.00	48,000.00		10	00% \$	48,000.00	
	Chipseal	m2	9,600.00	10.00	96,000.00		10	00% \$	96,000.00	
	40mm DG10	m2	9,600.00	55.00	528,000.00		10	00% \$	528,000.00	
	Tie-in to existing - bandage seal	m	19.20	20.00	384.00					
	Concrete Works				_					
	Concrete footpath	m2	7,125.00	125.00	890,625.00	50	60%	\$	534,375.00	
	Vehicle crossings	m2	875.00	175.00	153,125.00					
	Kerb & channel	m	2,000.00	300.00	600,000.00	80	38%	\$	57,421.88	
	400mm wide dish channel	m	2,000.00	200.00	400,000.00					
	Drainage									
	Supply and install new CP, x1 either side of each speed table	no	50.00	5,500.00	275,000.00	80	38%	\$	-	
	225mm RCRRJ lead pipe for CP - 2m long	m	250.00	475.00	118,750.00	80	, 35%	<u> </u>		
	Lighting				-					
	Lighting  Remove existing lightness and dispess	no	60.00	1 500 00	102 000 00		100%	<u> </u>		
	Remove existing lightpole and dispose  Supply and install new light pole, including trenching, ducting, cabling and	no	68.00 68.00	1,500.00 12,000.00	102,000.00 816,000.00	30		\$	612,000.00	
	Supply and install new light pole, including trenching, ducting, capling and	no	00.00	12,000.00	010,000.00	30	100%	<u>φ</u>	012,000.00	<u> </u>





	Roadmarking & signage				-	
	White centreline, 100mm, continuous, long life	m	1,000.00	10.00	10,000.00	
	White lane lines, 100mm, continous, long life	m	1,000.00	10.00	10,000.00	
	Yellow NSATT line , 100mm, 1m stripe, 1m gap, long life	m	1,000.00	12.50	12,500.00	
	Green surfacing	m2	800.00	65.00	52,000.00	
	Signage	m	1,000.00	50.00	50,000.00	
					-	
	Landscaping & Furniture				-	
	Remove existing bus shelter and replace - 2.2x4.2m including concrete foundation slab	no	6.00	30,000.00	180,000.00	
	Berm - topsoil and grassing	m2	4,600.00	110.00	506,000.00	
	Tree - medium size - including tree pit	no	200.00	3,500.00	700,000.00	
	General planting	LS	1.00	25,000.00	25,000.00	
T1	TOTAL ( <i>Exclusive of On-site Overheads and exclusive of Off-site Overhead and Profit</i> )				6,873,384.00	T1
T2	TOTAL ON-SITE OVERHEADS	%		20%	1,374,676.80	T2
T3	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads)				8,248,060.80	T3=T1+T2+1A
T4	TOTAL OFF-SITE OVERHEAD & PROFIT	%		10%	824,806.08	T4
T5	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads, Off-site	e Overh	eads and Profit)		9,072,866.88	T5=T3+T4
DC	TOTAL PROVISIONAL SUMS (Clause 12.9)				-	PS
PS			<del>i</del>	i		1
P5			1		-	
PS		+			-	
Po						
Po					-	

9,<mark>072,866.88</mark> T6=T5+PS+U

_			
Α	Net Project property Cost		
В	Project Development Phase		
	Consultancy Fees	12%	1,088,744.03
	AT managed costs	6%	544,372.01
	Waka Kotahi managed costs		
	Kiwirail managed costs		
	Project Development Phase Escalation		
В	Total Project Development:		1,633,116.04
С	Pre-Implementation Phase		
	Consultancy Fees	10%	907,286.69
	AT managed costs(incl consent fees)	6%	544,372.01
	Waka Kotahi managed costs		
	Kiwirail managed costs		
	Pre-Implementation Phase Escalation		
С	Total Pre-Implementation:		1,451,658.70

TOTAL (excluding GST) - TO FORM OF TENDER/TENDER SUMMARY



### Sensitivity: General



D D.1	Implementation Phase Implementation Fees (MSQA);		
	Consultancy Fees	7%	635,100.68
	AT managed costs	3%	272,186.01
	Waka Kotahi managed costs		
	Kiwirail costs(BOL related, safety personnel, permits etc)		
	Consent monitoring fees	1%	90,728.67
	Implementation Phase Fees Escalation		
	D.1 Subtotal Base Implementation Fees:		998,015.36
D.2	Physical works inc. On-site Overheads, Off-site Overheads & Profit, TM & Environmental		9,072,866.88
Е	Base Estimate		13,155,656.98
F	P50	70%	9,208,959.88
	P50 TOTAL		22,364,616.86





# Local area traffic management - Speed Table

Contract No AUCKLAND COUNCIL HOUSING **Contract Name** 

Contractor

# Tender Measure and Value Schedule of Prices

ltem	Description	Unit	Quantity	Rate	Amount	]	
	TOTAL TRAFFIC HANAGEMENT						
1.1	TOTAL TRAFFIC MANAGEMENT  Implementation of Traffic Management Plans.	LS	1		-		
1.1	Implementation of tranic Management Flans.	LO	I	-		-	
2	TOTAL ENVIRONMENTAL MANAGEMENT				-		
2.1	Implementation of Environmental Management Plan.	LS	1	-	-	1	
					_	Lifespan (years)	Proportion (30yrs/Lifespan)
3	PHYSICAL WORKS				99,930.00		
	Site Clearance & Demolition						
	Breakout and remove existing kerb	m	40	45.00	1,800.00	80	
***************************************	Breakout and remove existing catchpit	no	2	1,500.00	3,000.00	80	38%
	Sawcut	m	28	20.00	560.00		
	Breakout and remove existing footpath/berm	m2	80	45.00	3,600.00		
	Remove existing signage	LS	1	2,500.00	2,500.00		
	Remove existing roadmarking	LS	1	2,500.00	2,500.00		
				***************************************	-	-	
Marie 1 and	Earthworks			***************************************	-	-	
•	Cut to waste	m3	41.76	125.00	5,220.00	-	
•							
	Concrete Works						
	Raised speed table - concrete	m2	112	300.00	33,600.00		
	Pram crossing/FP	m2	40	125.00	5,000.00		
	New K&C including subsoil drainage	m	40	300.00	12,000.00	80	38%
	Tactile pavers	m2	12	450.00	5,400.00		
***************************************				***************************************	_		
	Drainage			5 500 00	-		000/
	Supply and install new CP, x1 either side of each speed table	no	2	5,500.00	11,000.00	80	38%
	225mm RCRRJ lead pipe for CP - 2m long	m	10	475.00	4,750.00		
	Doodmorking 9 signage				-		
	Roadmarking & signage  New signage	no	10	400.00	4,000.00		
	Road marking	LS	10	5,000.00	5,000.00		
	Tread manning			0,000.00			
T1	TOTAL (Exclusive of On-site Overheads and exclusive of Off-site Overhead and Profit)				99,930.00	T1	l
TO		0/		000/	40,000,00		
T2	TOTAL ON-SITE OVERHEADS	%		20%	19,986.00	12	
T3	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads)				119,916.00	T3=T1+T2+1A	
T4	TOTAL OFF-SITE OVERHEAD & PROFIT	%		10%	11,991.60	T4	
T5	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads, Off-site Overheads and Profit)				131,907.60	T5=T3+T4	
PS	TOTAL PROVISIONAL SUMS (Clause 12.9)					PS	
13	TOTAL PROVISIONAL SUMS (Clause 12.9)				-	P3	
					-	-	
						-	
					-		
					-	1	
					_		
					-		
					_		
Т6	TOTAL (excluding GST) - TO FORM OF TENDER/TENDER SUMMARY				131,907.60	T6=T5+PS+U	
						1.5 .5 . 5 . 5	



Proportion Renewal \$

10,425.00

675.00

1,125.00

4,500.00

4,125.00

**Proportion Renewal %** 

### Sensitivity: General



B Project Development Phase Consultancy Fees AT managed costs Waka Kotahi managed costs Kiwirail managed costs	15,828.91 7,914.46
Consultancy Fees 12% AT managed costs 6% Waka Kotahi managed costs	
Consultancy Fees 12% AT managed costs 6% Waka Kotahi managed costs	
AT managed costs  Waka Kotahi managed costs	
Waka Kotahi managed costs	7,52
•	
NWI di Hanagea costs	
Project Development Phase Escalation	
B Total Project Development:	23,743.37
2 Journal of the Control of the Cont	_5,: :5:5:
C Pre-Implementation Phase	
Consultancy Fees 10%	13,190.76
AT managed costs(incl consent fees) 6%	7,914.46
Waka Kotahi managed costs	
Kiwirail managed costs	
Pre-Implementation Phase Escalation	
C Total Pre-Implementation:	21,105.22
D Implementation Phase	
D.1 Implementation Fees (MSQA);	
Consultancy Fees 7%	9,233.53
AT managed costs 3%	3,957.23
Waka Kotahi managed costs	
Kiwirail costs(BOL related, safety personnel, permits etc)	
Consent monitoring fees 1%	1,319.08
Implementation Phase Fees Escalation	
D.1 Subtotal Base Implementation Fees:	14,509.84
D.2 Physical works inc. On-site Overheads, Off-site Overheads & Profit, TM & Environmental	131,907.60
E Base Estimate	191,266.02
	100 000 0
F P50 70%	133,886.21
P50 TOTAL	325,152.23





# Local area traffic management - Speed

Contract No
Contract Name
Contractor

**AUCKLAND COUNCIL HOUSING** 

### **Tender Measure and Value Schedule of Prices**

Item	Description	Unit	Quantity	Rate	Amount
1	TOTAL TRAFFIC MANAGEMENT				2,500.00
1.1	Implementation of Traffic Management Plans.	Day	1	2,500.00	2,500.00
					-
2	TOTAL ENVIRONMENTAL MANAGEMENT				69.50
2.1	Implementation of Environmental Management Plan.	LS	1	69.50	69.50
					-
3	PHYSICAL WORKS				2,780.00
	Roadmarking & Signage				-
	Establishment & disestablishment	LS	1	500.00	500.00
	Red road marking	m2	8	60.00	480.00
	30mph marking	no	2	450.00	900.00
	New sign and pole	no	2	450.00	900.00
					-



VA
AV /
T1

T1	TOTAL ( <i>Exclusive of On-site Overheads and exclusive of Off-site Overhead and Profit</i> )			5,349.50	T1
T2	TOTAL ON-SITE OVERHEADS	%	200	% 1,069.90	T2
T3	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads)			6,419.40	T3=T1+T2+1A
T4	TOTAL OFF-SITE OVERHEAD & PROFIT	%	100	641.94	T4
T5	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads, Off-sit	te Overhea	ads and Profit)	7,061.34	T5=T3+T4
PS	TOTAL PROVISIONAL SUMS (Clause 12.9)			-	PS
				-	
				-	
				-	
				-	
				-	
				-	
				-	
				-	
				-	
T6	TOTAL (excluding GST) - TO FORM OF TENDER/TENDER SUMMARY			7,061.34	T6=T5+PS+U

Α	Net Project property Cost		
В	Project Development Phase		
	Consultancy Fees	12%	847.36
	AT managed costs	6%	423.68
	Waka Kotahi managed costs		
	Kiwirail managed costs		
	Project Development Phase Escalation		
В	Total Project Development:		1,271.04



**P50 TOTAL** 

Pre-Implementation Phase		
Consultancy Fees	10%	706.13
AT managed costs(incl consent fees)	6%	423.68
Waka Kotahi managed costs		
Kiwirail managed costs		
Pre-Implementation Phase Escalation		
Total Pre-Implementation:		1,129.81
Implementation Phase		
Implementation Fees (MSQA);		
Consultancy Fees	7%	494.29
AT managed costs	3%	211.84
Waka Kotahi managed costs		
Kiwirail costs(BOL related, safety personnel, permits etc)		
Consent monitoring fees	1%	70.61
Implementation Phase Fees Escalation		
D.1 Subtotal Base Implementation Fees:		776.75
Physical works inc. On-site Overheads, Off-site Overheads & Profit, TM &		7,061.34
Environmental		
Base Estimate		10,238.94
P50	70%	7,167.26
	Consultancy Fees AT managed costs (incl consent fees) Waka Kotahi managed costs Kiwirail managed costs Pre-Implementation Phase Escalation Total Pre-Implementation:  Implementation Phase Implementation Fees (MSQA); Consultancy Fees AT managed costs Waka Kotahi managed costs Kiwirail costs(BOL related, safety personnel, permits etc) Consent monitoring fees Implementation Phase Fees Escalation D.1 Subtotal Base Implementation Fees:  Physical works inc. On-site Overheads, Off-site Overheads & Profit, TM & Environmental  Base Estimate	Consultancy Fees 10% AT managed costs (incl consent fees) 6% Waka Kotahi managed costs Kiwirail managed costs Pre-Implementation Phase Escalation  Total Pre-Implementation:  Implementation Phase Implementation Fees (MSQA); Consultancy Fees 7% AT managed costs 3% Waka Kotahi managed costs Kiwirail costs(BOL related, safety personnel, permits etc) Consent monitoring fees 1% Implementation Phase Fees Escalation  D.1 Subtotal Base Implementation Fees:  Physical works inc. On-site Overheads, Off-site Overheads & Profit, TM & Environmental  Base Estimate



17,406.20



# Local area traffic management - Chicane

Contract No AUCKLAND COUNCIL HOUSING

**Contract Name Contractor** 

PS

**TOTAL PROVISIONAL SUMS (Clause 12.9)** 

## Tender Measure and Value Schedule of Prices

Item	Description	Unit	Quantity	Rate	Amount				
1	TOTAL TRAFFIC MANAGEMENT				-				
1.1	Implementation of Traffic Management Plans.	LS	1	-	-				
					-				
2	TOTAL ENVIRONMENTAL MANAGEMENT				•				
2.1	Implementation of Environmental Management Plan.	LS	1	-	-				
	DUVOIGAL WORKS					Lifespan (years)	Proportion (30yrs/Lifespan)	•	Proportion Renewal %
3	PHYSICAL WORKS				6,635.00			\$ 248.44	2%
	Site Clearance & Demolition			45.00	205.00		200/		
	Breakout and remove existing kerb & channel	m	5	45.00	225.00	80	38%	\$ 84.38	
	Cut to waste	m3	1.5	125.00	187.50				
	Sawcut - perimeter of chicane	m	8	20.00	160.00				
					-				
	Concrete Works				-				
	Chicane island including concrete infill and kerbing	m2	7.5	350.00	2,625.00				
	New K&C	m	2.5	175.00	437.50	80	38%	\$ 164.06	
					-				
	Roadmarking & signage				-				
	New sign and pole	no	2	500.00	1,000.00				
	Misc. Roadmarking	LS	1	1,000.00	1,000.00				
					-				
	Landscaping & Furniture				-				
	General landscaping and planting	LS	1	1,000.00	1,000.00				
					-				
T1	TOTAL (Exclusive of On-site Overheads and exclusive of Off-site				6,635.00	T1			
	Overhead and Profit)								
T2	TOTAL ON-SITE OVERHEADS	%		20%	1,327.00	T2			
Т3	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads)				7,962.00	T3=T1+T2+1A			
T4	TOTAL OFF-SITE OVERHEAD & PROFIT	%		10%	796.20	T4			
T5	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads, Off-sit	e Overh	eads and Profit)		8,758.20	T5=T3+T4			





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				ll .
T6	TOTAL (excluding GST) - TO FORM OF TENDER/TENDER SUMMARY		8,758.20	T6=T

T6=T5+PS+U

Α	Net Project property Cost		
В	Project Development Phase		
	Consultancy Fees	12%	1,050.98
	AT managed costs	6%	525.49
	Waka Kotahi managed costs		
	Kiwirail managed costs Project Development Phase Escalation		
В	Total Project Development:		1,576.48
, , ,	Total Troject Development.		1,370.40
С	Pre-Implementation Phase		
	Consultancy Fees	10%	875.82
	AT managed costs(incl consent fees)	6%	525.49
	Waka Kotahi managed costs		
	Kiwirail managed costs		
	Pre-Implementation Phase Escalation		
С	Total Pre-Implementation:		1,401.31
D	Implementation Phase		
D.1	Implementation Fees (MSQA);	70/	642.07
	Consultancy Fees	7%	613.07
	AT managed costs	3%	262.75
	Waka Kotahi managed costs  Kiwirail costs(BOL related, safety personnel, permits etc)		
	Consent monitoring fees	1%	87.58
	Implementation Phase Fees Escalation	170	67.56
	D.1 Subtotal Base Implementation Fees:		963.40
	•		
D.2	Physical works inc. On-site Overheads, Off-site Overheads & Profit, TM &		8,758.20
	Environmental		
E	Base Estimate		12,699.39
_		<b>=0</b> 64	
F	P50 P50 TOTAL	70%	8,889.57 21,588.96





# Active mode crossing- zebra crossing

Contract No
Contract Name

**AUCKLAND COUNCIL HOUSING** 

Contract Name
Contractor

Tender	Measure and	Value Sc	hedule of	f Prices
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Item	Description	Unit	Quantity	Rate	Amount		
1	TOTAL TRAFFIC MANAGEMENT				-		
1.1	Implementation of Traffic Management Plans.	LS	1	-	-		
					-		
2	TOTAL ENVIRONMENTAL MANAGEMENT				-		
2.1	Implementation of Environmental Management Plan.	LS	1	-	-		
3	PHYSICAL WORKS				40,610.00	Lifespan (years)	Proportion (30yrs/Lifespan)
3	Zebra Crossing as per ATCOP FP012				40,610.00		
	Breakout and remove existing K&C	m2	10.00	45.00	450.00		
	Breakout and remove existing footpath/berm	m2	18.00	45.00	810.00		
	Traffic island	m2	12.00	175.00	2,100.00		
	Pram crossing/footpath	m2	18.00	125.00	2,250.00		
	Tactile pavers	m2	10.00	450.00	4,500.00		
	Sign posts	no	2.00	450.00	900.00		
	Belisha poles including ducting, cabling and connections	no	2.00	13,000.00	26,000.00		
	Advanced warning diamond	no	2.00	350.00	700.00		
	Median	m	20.00	35.00	700.00		
	Limit line	m	10.00	10.00	100.00		
	Pedestrian Crossing Zebra Stripes	m	42.00	50.00	2,100.00		
					-		
T1	TOTAL (Exclusive of On-site Overheads and exclusive of Off-site Overhead and Profit)				40,610.00		
T2	TOTAL ON-SITE OVERHEADS	%		20%	8,122.00	T2	
Т3	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads)				48,732.00	T3=T1+T2+1A	
T4	TOTAL OFF-SITE OVERHEAD & PROFIT	%		10%	4,873.20	T4	
T5	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads, Off-site	Overhea	ds and Profit)		53,605.20	T5=T3+T4	
PS	TOTAL PROVISIONAL SUMS (Clause 12.9)					PS	
		1			-		
					1		
		<u> </u>			-		
					-		
					-		
		-			<u>-</u>		
		+			-		
		†			-		
Т6	TOTAL (excluding GST) - TO FORM OF TENDER/TENDER SUMMARY				52 605 20	TC_TC   DC   U	
10	TOTAL (excluding GST) - TO FORM OF TENDER/TENDER SUMMARY				53,605.20	T6=T5+PS+U	



Proportion Renewal \$ Proportion Renewal %



Α	Net Project property Cost		
В	Project Development Phase		
	Consultancy Fees	12%	6,432.62
	AT managed costs	6%	3,216.31
	Waka Kotahi managed costs		
	Kiwirail managed costs		
	Project Development Phase Escalation		0.640.04
В	Total Project Development:		9,648.94
С	Pre-Implementation Phase		
C	Consultancy Fees	10%	5,360.52
	AT managed costs(incl consent fees)	6%	3,216.31
	Waka Kotahi managed costs	070	3,210.31
	Kiwirail managed costs		
	Pre-Implementation Phase Escalation		
С	Total Pre-Implementation:		8,576.83
			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
D	Implementation Phase		
D.1	Implementation Fees (MSQA);		
	Consultancy Fees	7%	3,752.36
	AT managed costs	3%	1,608.16
	Waka Kotahi managed costs		
	Kiwirail costs(BOL related, safety personnel, permits etc)		
	Consent monitoring fees	1%	536.05
	Implementation Phase Fees Escalation		
	D.1 Subtotal Base Implementation Fees:		5,896.57
D.2	Physical works inc. On-site Overheads, Off-site Overheads & Profit, TM &		53,605.20
	Environmental		
-	Dana Estimata		77 727 54
E	Base Estimate		77,727.54
F	P50	70%	54,409.28
,	P50 TOTAL	7070	132,136.82
	130 10 IAL		132,130.02





# Footpath/Cycle path retrofit (Brownfield)

TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads)

TOTAL (excluding GST) - TO FORM OF TENDER/TENDER SUMMARY

TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads, Off-site Overheads and Profit)

**TOTAL OFF-SITE OVERHEAD & PROFIT** 

**TOTAL PROVISIONAL SUMS (Clause 12.9)** 

Retrofitting a walking and cycling facilities to an existing urban berm area. The assumption here is that the existing kerb and channel can be remain in place, and all works occur within the existing berm. Minimal

Contract No

**AUCKLAND COUNCIL HOUSING** 

**Contract Name Contractor** 

T4

T5

PS

Tender Measure and Value Schedule of Prices

Item	Description	Unit	Quantity	Rate	Amount						
1	TOTAL TRAFFIC MANAGEMENT				93,200.00	Ĩ					
1.1	Implementation of Traffic Management Plans.	LS	1	93,200.00	93,200.00						
2	TOTAL ENVIRONMENTAL MANAGEMENT				6,990.00						
2.1	Implementation of Environmental Management Plan.	LS	1	6,990.00	6,990.00						0.5
				,	-	Ų	Proportion (30yrs/Lifespan)	Proportion Renewal \$	Proportion Renewal %	Final Renewal (non-alignment)	0.5
3	PHYSICAL WORKS				466,000.00			\$ 81,000.00	7%	Ó	4%
	Demolition & Site Clearance				-						
	Breakout out and remove existing FP	m2	1,500.00	45.00	67,500.00	50	60%	40,500.00			
	Remove topsoil to waste	m2	2,300.00	45.00	103,500.00						
					-						
	Earthworks				-						
	Cut to waste	m3	360.00	125.00	45,000.00						
					-						
	Concrete Works				-						
	Concrete FP	m2	1,800.00	125.00	225,000.00	50	60%	40,500.00			
					-						
	Roadmarking & signage				-						
	Misc.	m	1,000.00	25.00	25,000.00						
T.					-						
T1	TOTAL ( <i>Exclusive of On-site Overheads and exclusive of Off-site Overhead and Profit</i> )				566,190.00						
T2	TOTAL ON-SITE OVERHEADS	%		20%	113,238.00	T2					

679,428.00 T3=T1+T2+1A

747,370.80 T5=T3+T4

747,370.80 T6=T5+PS+U

67,942.80 T4

10%





Α	Net Project property Cost		
В	Project Development Phase		
В	Project Development Phase Consultancy Fees	12%	89,684.50
	AT managed costs	6%	44,842.25
	Waka Kotahi managed costs	070	44,042.23
	Kiwirail managed costs		
	Project Development Phase Escalation		
В	Total Project Development:		134,526.74
_	,		
С	Pre-Implementation Phase		
	Consultancy Fees	10%	74,737.08
	AT managed costs(incl consent fees)	6%	44,842.25
	Waka Kotahi managed costs		
	Kiwirail managed costs		
	Pre-Implementation Phase Escalation		
С	Total Pre-Implementation:		119,579.33
D	Implementation Phase		
D.1	Implementation Fees (MSQA);		
	Consultancy Fees	7%	52,315.96
	AT managed costs	3%	22,421.12
	Waka Kotahi managed costs		
	Kiwirail costs(BOL related, safety personnel, permits etc)		
	Consent monitoring fees	1%	7,473.71
	Implementation Phase Fees Escalation		
	D.1 Subtotal Base Implementation Fees:		82,210.79
D 2	Dhysical wayle in On site Overhands Off site Overhands & Brafit TM &		747 270 00
D.2	Physical works inc. On-site Overheads, Off-site Overheads & Profit, TM & Environmental		747,370.80
	Environmental		
E	Base Estimate		1,083,687.66
_	Dase Estimate		1,000,007.00
F	P50	70%	758,581.36
·	P50 TOTAL		1,842,269.02
	F30 TOTAL		1,072,203.02





# **BROWNFIELD - 4 LANE**

Description

Contract No AUCKLAND COUNCIL HOUSING **Contract Name** Contractor

# Tender Measure and Value Schedule of Prices

2 TOTAL 2.1 Implem 3 PHYSI Site C Breake Breake Breake Breake Remov Remov Genera  Earthv Cut to  Pavem Subgra Subgra Lime S	cout and remove existing kerb & channel cout and remove existing catchpit ove existing signs ove existing roadmarking ral site clearance	LS LS m2 m no LS LS LS LS	1 10,000.00 2,000.00 50.00 1.00 1.00	45.00 45.00 1,500.00 20,000.00 20,000.00	- - - - - 13,477,805.00 450,000.00 90,000.00 75,000.00 20,000.00	<b>Lifespan (years)</b> 50 80 80	60% 38%	\$ Proportion Renewal \$ \$ 3,878,805.00 \$ 270,000.00 \$ 33,750.00	Proportion Renewal %	Final Renewal (non-alignm
2 TOTAL 2.1 Implem 3 PHYSI Site C Breake Breake Remov Remov Genera  Earthy Cut to  Pavem Subgra Subgra Lime S	ML ENVIRONMENTAL MANAGEMENT  mentation of Environmental Management Plan.  SICAL WORKS  Clearance & Demolition  cout and remove existing footpath/berm  cout and remove existing kerb & channel  cout and remove existing catchpit  ove existing signs  ove existing roadmarking  ral site clearance	LS mnoncus LS LS	2,000.00 50.00 1.00 1.00	45.00 45.00 1,500.00 20,000.00	450,000.00 90,000.00 75,000.00	50 80	60% 38%	\$ 3,878,805.00		
2 TOTAL 2.1 Implem 3 PHYSI Site C Breake Breake Remov Remov Genera  Earthy Cut to  Pavem Subgra Subgra Lime S	ML ENVIRONMENTAL MANAGEMENT  mentation of Environmental Management Plan.  SICAL WORKS  Clearance & Demolition  cout and remove existing footpath/berm  cout and remove existing kerb & channel  cout and remove existing catchpit  ove existing signs  ove existing roadmarking  ral site clearance	LS mnoncus LS LS	2,000.00 50.00 1.00 1.00	45.00 45.00 1,500.00 20,000.00	450,000.00 90,000.00 75,000.00	50 80	60% 38%	\$ 3,878,805.00		
3 PHYSI Site C Breake Breake Breake Remov Remov Genera  Earthv Cut to  Paven Subgra Lime S	mentation of Environmental Management Plan.  SICAL WORKS  Clearance & Demolition  Cout and remove existing footpath/berm  Cout and remove existing kerb & channel  Cout and remove existing catchpit  Dove existing signs  Dove existing roadmarking  ral site clearance	m2 m no LS LS	2,000.00 50.00 1.00 1.00	45.00 45.00 1,500.00 20,000.00	450,000.00 90,000.00 75,000.00	50 80	60% 38%	\$ 3,878,805.00		
3 PHYSI Site C Breake Breake Breake Remov Remov Genera  Earthy Cut to  Paven Subgra Lime S	Clearance & Demolition  Cout and remove existing footpath/berm  Cout and remove existing kerb & channel  Cout and remove existing catchpit  Cove existing signs  Cove existing roadmarking  Trail site clearance	m2 m no LS LS	2,000.00 50.00 1.00 1.00	45.00 45.00 1,500.00 20,000.00	450,000.00 90,000.00 75,000.00	50 80	60% 38%	\$ 3,878,805.00		
Site C Breake Breake Breake Remov Remov Genera  Earthy Cut to  Paven Subgra Lime S	Clearance & Demolition  Sout and remove existing footpath/berm  Sout and remove existing kerb & channel  Sout and remove existing catchpit  Sove existing signs  Sove existing roadmarking  ral site clearance	m no LS LS	2,000.00 50.00 1.00 1.00	45.00 1,500.00 20,000.00	450,000.00 90,000.00 75,000.00	50 80	60% 38%	\$ 3,878,805.00		
Site C Breake Breake Breake Remov Remov Genera  Earthy Cut to  Paven Subgra Lime S	Clearance & Demolition  Sout and remove existing footpath/berm  Sout and remove existing kerb & channel  Sout and remove existing catchpit  Sove existing signs  Sove existing roadmarking  ral site clearance	m no LS LS	2,000.00 50.00 1.00 1.00	45.00 1,500.00 20,000.00	450,000.00 90,000.00 75,000.00	50 80	60% 38%	\$ 3,878,805.00		
Site C Breake Breake Breake Remov Remov Genera  Earthy Cut to  Paven Subgra Lime S	Clearance & Demolition  Sout and remove existing footpath/berm  Sout and remove existing kerb & channel  Sout and remove existing catchpit  Sove existing signs  Sove existing roadmarking  ral site clearance	m no LS LS	2,000.00 50.00 1.00 1.00	45.00 1,500.00 20,000.00	450,000.00 90,000.00 75,000.00	80	38%	· · · · · · · · · · · · · · · · · · ·		
Breako Breako Remov Remov Genera  Earthy Cut to  Paven Subgra Lime S	cout and remove existing kerb & channel cout and remove existing catchpit ove existing signs ove existing roadmarking ral site clearance	m no LS LS	2,000.00 50.00 1.00 1.00	45.00 1,500.00 20,000.00	90,000.00 75,000.00	80	38%	· · · · · · · · · · · · · · · · · · ·		
Breako Breako Remov Remov Genera  Earthv Cut to  Paven Subgra Lime S	cout and remove existing kerb & channel cout and remove existing catchpit ove existing signs ove existing roadmarking ral site clearance	no LS LS	50.00 1.00 1.00	45.00 1,500.00 20,000.00	75,000.00	80		· · · · · · · · · · · · · · · · · · ·		
Breako Remov Remov Genera  Earthv Cut to  Paven Subgra Lime S	cout and remove existing catchpit  ove existing signs  ove existing roadmarking  ral site clearance	LS LS	1.00 1.00	20,000.00	<u>'</u>	80				
Remove Re	ove existing signs ove existing roadmarking ral site clearance	LS	1.00		20,000.00		38%	28,125.00		
Remove General Subgrate Lime S	ove existing roadmarking ral site clearance			20,000.00				·		
Earthy Cut to Paven Subgra Subgra Lime S		LS	1.00		20,000.00					
Cut to Paven Subgra Lime S	works			10,000.00	10,000.00					
Cut to Paven Subgra Lime S	works									
Cut to Paven Subgra Lime S	works				-					
Pavem Subgra Subgra Lime S					-					
Subgra Subgra Lime S	o waste	m3	8,900.00	125.00	1,112,500.00					
Subgra Subgra Lime S					-					
Subgra Lime S	ment Works				-					
Lime S	rade Prep				-					
	rade prep. 500mm behind kerb face	m2	18,000.00	6.00	108,000.00					
	Stabilise 300mm depth subgrade	m2	17,000.00	30.00	510,000.00					
Under	rcut unsuitable subgrade material - Provisional Item	m3	1,020.00	150.00	153,000.00					
Geote	extile	m2	18,000.00	5.00	90,000.00					
Paven	ment									
Mill exi	xisting surface	m2	17,000.00	20.00	340,000.00	17	100%	340,000.00		
<mark>350mn</mark>	m GAP65	m3	5,950.00	175.00	1,041,250.00	17	100%	1,041,250.00		
<mark>250mn</mark>	m M4 Basecourse	m3	4,250.00	200.00	850,000.00	17	100%	850,000.00		
<mark>Grade</mark>	e 2/4 Chip Two Coat Seal	m2	17,000.00	10.00	170,000.00	17	100%	170,000.00		
40mm	1 DG10	m2	17,000.00	10.00	170,000.00	17	100%	170,000.00		
Tie-in t	to existing - bandage seal	m	34.00	20.00	680.00	17	100%	680.00		
Concr	rete Works				-					
	•	m2	11,000.00	125.00	1,375,000.00	50	60%	750000		
Vehicle	le crossings	m2	875.00	175.00	153,125.00					
Kerb &		m	2,000.00	300.00	600,000.00	80	38%	225,000.00		
Mounta	& channel	m	2,000.00	125.00	250,000.00					

Rate





	Drainage				-			
	Supply and install new CP, x1 either side of each speed table	no	50.00	5,500.00	275,000.00	80	38%	103,125.00
	225mm RCRRJ lead pipe for CP - 2m long	m	250.00	475.00	118,750.00			
	Lighting				-			
	Supply and install new light pole, including trenching, ducting, cabling and connections	no	68.00	12,000.00	816,000.00			
	Roadmarking & signage				-			
	White centreline, 100mm, continuous, long life	m	1,000.00	10.00	10,000.00			
	White lane lines, 100mm, continous, long life	m	1,000.00	10.00	10,000.00			
	Yellow NSATT line , 100mm, 1m stripe, 1m gap, long life	m	1,000.00	12.50	12,500.00			
	Green surfacing	m2	800.00	65.00	52,000.00			
	Signage	m	1,000.00	50.00	50,000.00			
	Landa anima 9 Fumitum				-			
	Landscaping & Furniture	0	0.000.00	110.00	-			
	Berm - topsoil and grassing	m2	2,000.00	110.00	220,000.00			
	Tree - medium size - including tree pit	no	200.00	3,500.00	700,000.00			
	General planting	LS	1.00	25,000.00	25,000.00			
	Services				-			
	Relocation of services - sum based on rate within BECA estimate	m	1,000.00	3,600.00	3,600,000.00			
	Nelocation of services - sum based on fate within beon estimate	+'''	1,000.00	3,000.00	-			
T1	TOTAL (Exclusive of On-site Overheads and exclusive of Off-site Overhead and Profit)				13,477,805.00		<u> </u>	
<b>T</b> 0	TOTAL ON OUT OVERVIENDS	0/		000/	0.005.504.00			
T2	TOTAL ON-SITE OVERHEADS	%		20%	2,695,561.00			
T3	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads)				16,173,366.00			
T4	TOTAL OFF-SITE OVERHEAD & PROFIT	%		10%	1,617,336.60			
T5	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads, Off-si	te Ove	rheads and Profit)		17,790,702.60			
					,,			
PS	TOTAL PROVISIONAL SUMS (Clause 12.9)				-			
					-			
					-			
					-			
					<u>-</u>			

TOTAL (excluding GST) - TO FORM OF TENDER/TENDER SUMMARY



17,790,702.60



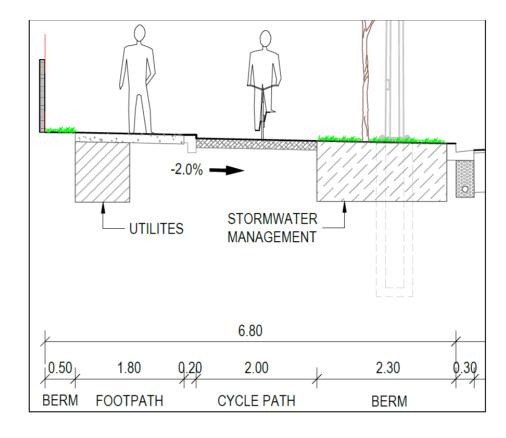
Α	Net Project property Cost		
В	Project Development Phase		
	Consultancy Fees	12%	2,134,884.31
	AT managed costs	6%	1,067,442.16
	Waka Kotahi managed costs		
	Kiwirail managed costs Project Development Phase Escalation		
В	Total Project Development:		3,202,326.47
D	Total Project Development.		3,202,320.47
С	Pre-Implementation Phase		
	Consultancy Fees	10%	1,779,070.26
	AT managed costs(incl consent fees)	6%	1,067,442.16
	Waka Kotahi managed costs		
	Kiwirail managed costs		
_	Pre-Implementation Phase Escalation		
С	Total Pre-Implementation:		2,846,512.42
D	Implementation Phase		
D D.1	Implementation Phase Implementation Fees (MSQA);		
	Implementation Phase Implementation Fees (MSQA); Consultancy Fees	7%	1,245,349.18
	Implementation Fees (MSQA);	7% 3%	1,245,349.18 533,721.08
	Implementation Fees (MSQA); Consultancy Fees AT managed costs Waka Kotahi managed costs		
	Implementation Fees (MSQA); Consultancy Fees AT managed costs Waka Kotahi managed costs Kiwirail costs(BOL related, safety personnel, permits etc)	3%	533,721.08
	Implementation Fees (MSQA); Consultancy Fees AT managed costs Waka Kotahi managed costs Kiwirail costs(BOL related, safety personnel, permits etc) Consent monitoring fees		
	Implementation Fees (MSQA); Consultancy Fees AT managed costs Waka Kotahi managed costs Kiwirail costs(BOL related, safety personnel, permits etc) Consent monitoring fees Implementation Phase Fees Escalation	3%	533,721.08
	Implementation Fees (MSQA); Consultancy Fees AT managed costs Waka Kotahi managed costs Kiwirail costs(BOL related, safety personnel, permits etc) Consent monitoring fees	3%	533,721.08
D.1	Implementation Fees (MSQA); Consultancy Fees AT managed costs Waka Kotahi managed costs Kiwirail costs(BOL related, safety personnel, permits etc) Consent monitoring fees Implementation Phase Fees Escalation D.1 Subtotal Base Implementation Fees:	3%	533,721.08 177,907.03 <b>1,956,977.29</b>
	Implementation Fees (MSQA); Consultancy Fees AT managed costs Waka Kotahi managed costs Kiwirail costs(BOL related, safety personnel, permits etc) Consent monitoring fees Implementation Phase Fees Escalation	3%	533,721.08
D.1	Implementation Fees (MSQA); Consultancy Fees AT managed costs Waka Kotahi managed costs Kiwirail costs(BOL related, safety personnel, permits etc) Consent monitoring fees Implementation Phase Fees Escalation D.1 Subtotal Base Implementation Fees:  Physical works inc. On-site Overheads, Off-site Overheads & Profit, TM &	3%	533,721.08 177,907.03 <b>1,956,977.29</b>
D.1	Implementation Fees (MSQA); Consultancy Fees AT managed costs Waka Kotahi managed costs Kiwirail costs(BOL related, safety personnel, permits etc) Consent monitoring fees Implementation Phase Fees Escalation D.1 Subtotal Base Implementation Fees:  Physical works inc. On-site Overheads, Off-site Overheads & Profit, TM &	3%	533,721.08 177,907.03 <b>1,956,977.29</b>
D.1  D.2	Implementation Fees (MSQA); Consultancy Fees AT managed costs Waka Kotahi managed costs Kiwirail costs(BOL related, safety personnel, permits etc) Consent monitoring fees Implementation Phase Fees Escalation D.1 Subtotal Base Implementation Fees:  Physical works inc. On-site Overheads, Off-site Overheads & Profit, TM & Environmental  Base Estimate	1%	533,721.08 177,907.03 1,956,977.29 17,790,702.60 25,796,518.77
<b>D.1</b>	Implementation Fees (MSQA); Consultancy Fees AT managed costs Waka Kotahi managed costs Kiwirail costs(BOL related, safety personnel, permits etc) Consent monitoring fees Implementation Phase Fees Escalation D.1 Subtotal Base Implementation Fees:  Physical works inc. On-site Overheads, Off-site Overheads & Profit, TM & Environmental	3%	533,721.08 177,907.03 <b>1,956,977.29</b> 17,790,702.60



Sensitivity: General

A further scenario has been identified where there may be a requirement to retrofit walking and cycling facilities to an existing urban berm area. The assumption here is that the existing kerb and channel can be remain in place, and all works occur within the existing berm. Minimal earthworks would be required with a new 2m cycleway and 1.8m footpath provided.

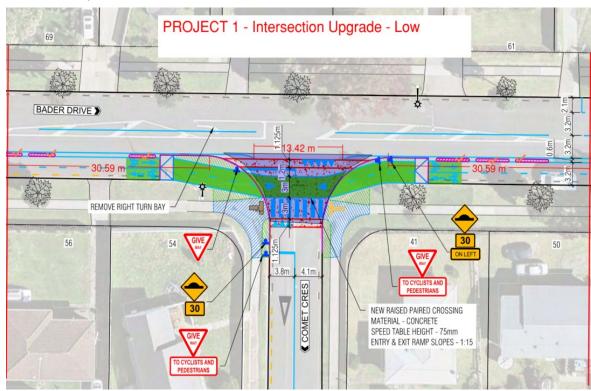
The resultant unit rate adopted for providing active mode facilities within an existing berm was \$480 per linear metre.



Report Reference	Design	P50	)	Unit	Contingency	Propor	tion Renewal \$	Proportion Renewal %	Final (with 50% non-alignment)	For reporting
1	Intersection upgrade – Low	586,517.79	587,000	per unit	70%	\$	57,492.50	17%	8%	8%
2	Intersection upgrade – Medium - Roundabout	1,489,650.65	1,490,000	per unit	70%	\$	161,926.88	18%	9%	
	Intersection upgrade – Medium - Signals	1,879,167.11	1,880,000	per unit	70%	\$	189,580.75	17%	9%	9%
2	Intersection upgrade – Medium/High - Roundabout	1,892,816.81	1,893,000	per unit	70%	\$	187,010.00	17%	8%	
3	Intersection upgrade – Medium/High - Signals	2,423,161.80	2,424,000	per unit	70%	\$	273,580.75	19%	10%	10%
4	Intersection upgrade - High - Roundabout	3,673,377.51	3,674,000	per unit	70%	\$	628,118.75	29%	15%	
4	Intersection upgrade - High - Traffic Signals	4,594,625.90	4,595,000	per unit	70%	\$	602,776.88	22%	11%	13%
5	Midblock – Low	6,434,796.23	6,435,000	per km	70%	\$	408,000.00	11%	5%	5%
6	Midblock – Medium	13,490,824.22	13,491,000	per km	70%	\$	1,374,425.00	17%	9%	9%
7	Midblock - High	22,364,616.86	22,365,000	per km	70%	\$	2,439,671.88	19%	9%	10%
	Local area traffic management - Speed Table	325,152.23	326,000	per unit	70%	\$	10,425.00	5%	3%	
8	Speed threshold	167,765.93	168,000	per unit	70%	\$	-	0%	0%	1%
	Local area traffic management - Chicane	21,588.96	22,000	per unit	70%	\$	248.44	2%	1%	
9	Active mode crossing- zebra crossing	132,136.82	133,000	per km	70%	\$	-	0%	0%	0%
10	Footpath only retrofit	1,842,269.02	1,843,000	per km	70%	\$	81,000.00	7%	4%	4%
11	4 lane transport corridor (urban)	43,854,081.91	43,855,000	per km	70%	\$	3,878,805.00	15%	8%	8%
12	Footpath/Cyclepath retrofit		R	enewals c	onsistent with	footpath	n only retrofit		4%	4%

### Ref1 - Intersection upgrade - low

Take Off - as per below



**Scope**: New concrete speed table, with kerb re-alignment and new footpath

Removal of existing kerbline - 30m either side of intersection and replacement with new inc. subsoil

Removal of existing FP/Berm behind existing kerbline - 2m wide

Removal of x2 CP either side of new speed table - assumed

Sawcutting both ends of speed table into existing pavement

Cut to waste - 200mm for new footpath, 230mm for new speed table areas

New concrete speed table

New CP either side of new speed table with 5m connection pipe per CP

New tactile pavers

Removal of existing light pole x1 either side of crossing and replaced with new, including connections, cabling, ducting and trenching

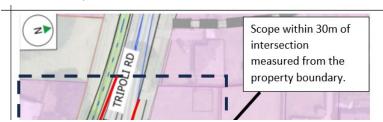
LS for new roadmarking installation and removal

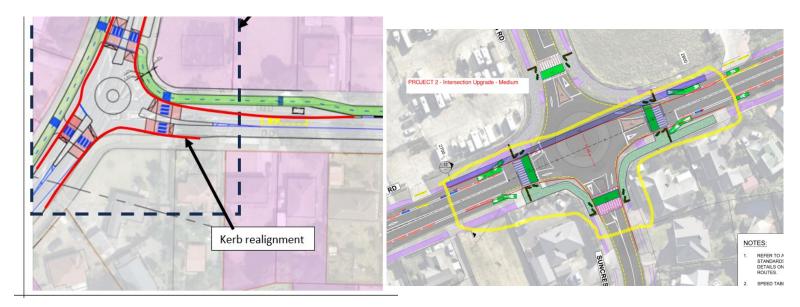
LS for general planting and landscaping

New concrete FP/pram crossing x2m wide

### Ref2 - P1 - - Intersection upgrade - Medium - Roundabout

### Take Off - as per below





**Scope**: New concrete speed table, with kerb re-alignment and new footpath

Removal of existing kerbline - replacement with new inc. subsoil

Removal of existing FP/Berm behind existing kerbline - 2m wide

Removal of x2 CP either side of new speed table - assumed

Sawcutting both ends of speed table into existing pavement

Cut to waste - 200mm for new footpath, 230mm for new speed table areas

New concrete speed table

New CP either side of new speed table with 5m connection pipe per CP

New tactile pavers

Removal of existing light pole x1 either side of crossing and replaced with new, including connections, cabling, ducting and trenching

LS for new roadmarking installation and removal

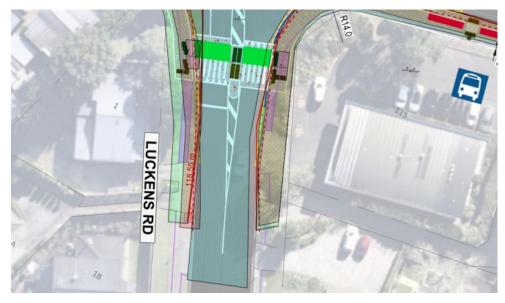
LS for general planting and landscaping

New concrete FP/pram crossing x2m wide

## Ref2 - P2 - Intersection upgrade - Medium - Signals

Take Off - as per below





**Scope**: 3- re-alignment of existing kerbline and adding signalised crossing

Removal of existing kerbline - 115m either side of intersection and replacement with new inc. subsoil

Removal of x2 CP and replaced with new including 5m connection pipe

Sawcut - 10m for each leg across existing pavement

Removal of existing FP/Berm behind existing kerbline - 1.8m wide + x2 40m2 areas on midblock side for pram crossing installation

Cut to waste - 200mm for new footpath/pram crossing

New concrete FP (2m wide) and pram crossing x6 -

New tactile pavers

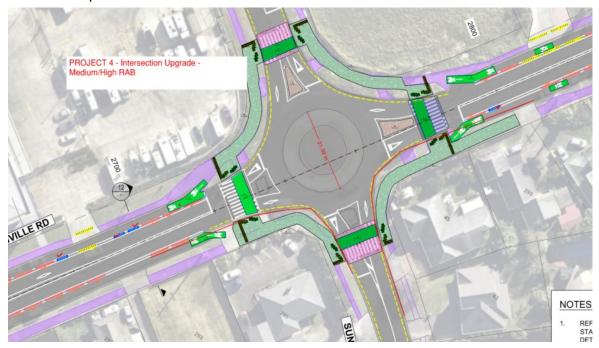
New K&C including subsoil drainage

Pavement works - mill existing, and re-seal

New traffic signals - x6 JUMA poles with x2 lanterns per pole, inc. scat loops, connections, ducting etc.

### Ref3 - P1 - Intersection upgrade - Medium/High - Roundabout

### Take Off - as per below



**Scope**: 4- leg intersection - New concrete speed table, with kerb re-alignment, new footpath and new concrete RAB as per project 1 - qty increased for x4 legs

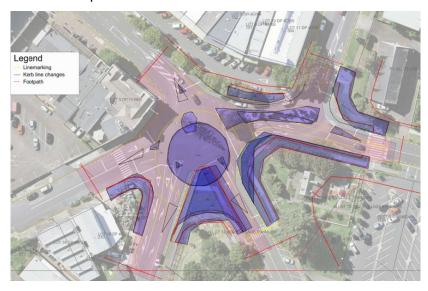
# Ref3 - P2 - Intersection upgrade - Medium/High - Signals

All physical works associated for project 3 plus:

8 no. existing light poles removed and replaced with new LS for service relocations (minor) x3 new vehicle crossings

#### Ref4 - P1 - Intersection upgrade - High - Roundabout

Take Off - as per below



### Scope:

Breakout and remove existing FP/berm/traffic island breakout and remove existing K&C remove existing CP - assumed x2 every side road and replaced with new Site clearance, removing trees, roadmarking and signage Cut to waste - 500mm for new pavement area, 200mm for new FP, 200mm for new RAB

Remediate existing pavement, mill, chipseal and ashphalt

New pavement layer for area previously FP or Traffic island - 300mm GAP65 & 200mm Basecourse

RAB - 300mm GAP65, mountable kerb, 200mm topsoil, 100mm garden mix & mulch

New concrete FP, VC and new K&C

new lightpole x12

### Ref4 - P2 - Intersection upgrade - High - Traffic Signals

Take Off - as per below



#### Scope:

Breakout and remove existing FP/berm/traffic island breakout and remove existing K&C remove existing CP - assumed x2 every side road and replaced with new Site clearance, roadmarking and signage Cut to waste - 500mm for new pavement area, 200mm for new FP Remediate existing pavement, mill, chipseal and ashphalt New pavement layer for area previously FP or Traffic island - 300mm GAP65 & 200mm Basecourse RAB - 300mm GAP65, mountable kerb, 200mm topsoil, 100mm garden mix & mulch New concrete FP, VC and new K&C New lightpole x10

New traffic signals - x2 JUMA poles with x2 lanterns per pole, x1 ped lantern per pole, x1 callbox per pole, x2 scats loop per road, x 2 junction per road, with testing commissioning and CCTV

#### Ref5 - Midblock - Low

No kerb re-alignment

removal and replacement of FP (2m wide)

Cycle separators either side

Upgrading CPs for cycle friendly grates x1 every 40m

New roadmarking & signage

#### Ref6 - Midblock - Medium

Kerb re-alignment x1 side

Pavement width reduced from 11.8m to 7m and replaced with: 6.1m wide FP, 1.8m berm x 2 400mm dish channel s

Existing pavement area, now FP area milled

Cut to waste 200mm for new FP/berm/channel area - 8.7m wide

VC every 40m

x1 zebra crossing every 400m

Existing payment - now 7m wide milleda and re-surfaced

New CP every 40m on 1 side

Replacement of existing light pole x1 every 30m on 1 side

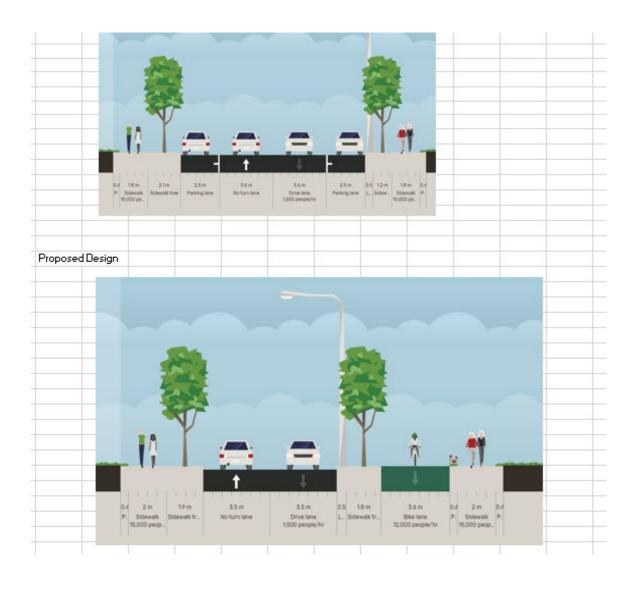
New road marking & signage

New berm 1.8m wide

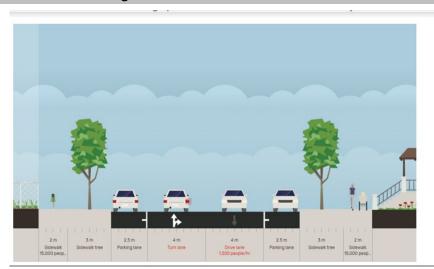
Removal and replacement of existing bus shelter x1 evert 400m

x1 new tree every 100m

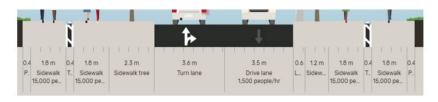
Existing	 10		31			



## Ref7 - Midblock - High







Similar to existing AT project for Pt Chevalier Road:

#### **Proposed design parameters**

İ	0.4	2.0	0.4	2.0	2.0	9.6	0.6	1.2	2.0	0.4	2.0	0.4
E	3erm	Shared path	dish channel	shared path	berm	pavement	berm for light pole	berm	shared path	dish channe	shared path	berm

#### Scope of works:

kerb re-alignment both sides

Breakout and remove existing kerb, footpath, CPs either side

Existing pavement area, now FP area milled

Cut to waste 200mm for new FP areas

Mill and resurfaced existing pavement

VC every 40m either side

400mm dish channel either side

new CP and 5m lead pipe every 40m

Remove and replace with new light pole every 30m either side

New road marking & signage

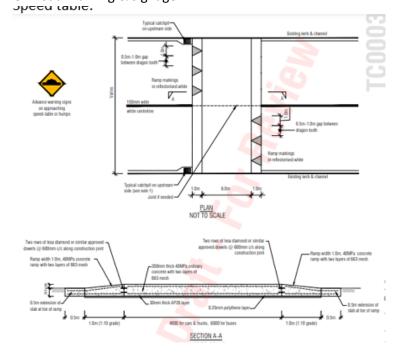
New berm areas as per above x-section 4.6m wide both sides

Removal and replacement of existing bus shelter x1 evert 400m

x1 new tree every 100m

#### Ref8 - P1 - Local Area Traffic Management - Speed Table

New speed table - 14m wide pavement remove and replace K&C 20m wither side of speed table - with new footpath Cut to waste, 200mm for FP and 230mm for speed table Replace x2 CPs with x5 lead per CP new road marking & signage

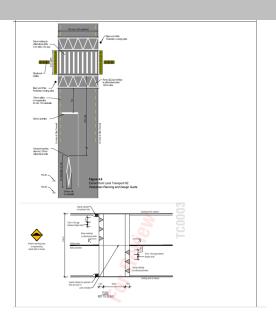


## Ref8 - P3 - Local Area Traffic Management - Chicane

New speed table - 8m wide pavement No kerb removal or fp works cut to waste - 230mm for speed table area aco drain grates either side of speed table new signage and marking

### Ref9 - Active mode crossing - Zebra crossing

Breakout and removal of k&C with FP 5m either side x2 belisha poles new signage and marking new footpath/pram crossing with pavers



### Ref 11 - 4 lane transport corridor



