



Brownfield Generic Cost Allowances and Rates

Prepared for Auckland Council
Prepared by Beca Limited

27 June 2024



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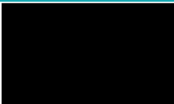

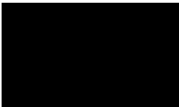
Appendices

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Revision History

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

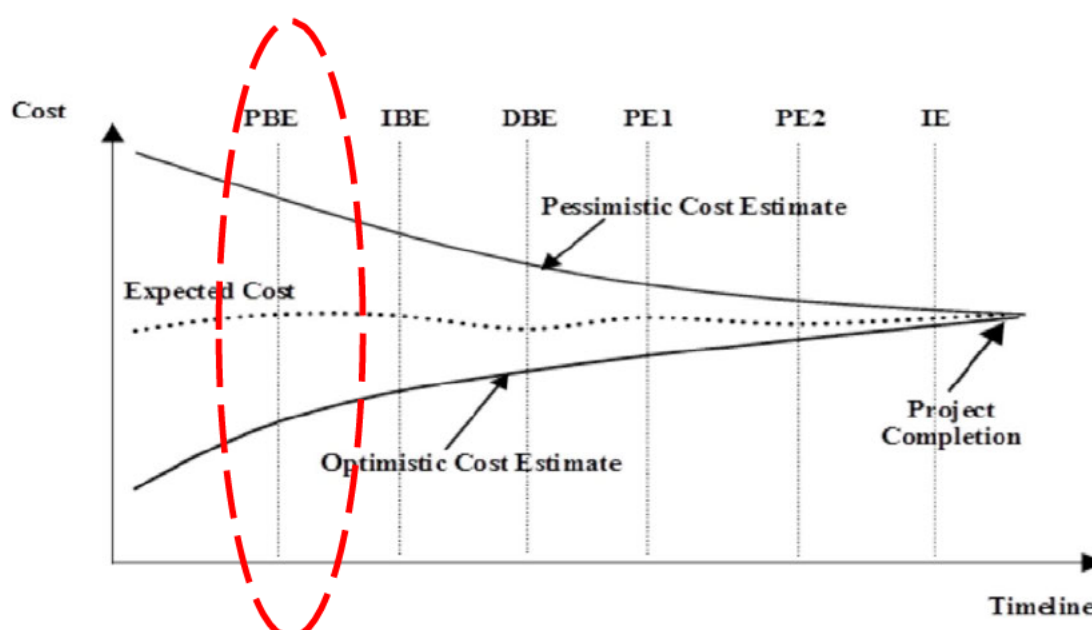


Figure 2-1: Estimate Lifecycle (extracted from section 3.4.1 of the CEM)

¹ "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 interventions 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 Transport's 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: <ul style="list-style-type: none"> 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: <ul style="list-style-type: none"> 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: <ul style="list-style-type: none"> 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. <ul style="list-style-type: none"> 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. <ul style="list-style-type: none"> 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. <ul style="list-style-type: none"> Collector/arterial road upgrades with more significant changes involving reconfiguration of the kerb lines on both sides. 	\$6,900	m	2024
8	Local area traffic management <ul style="list-style-type: none"> Speed table (Ref 8-P1) Speed threshold signage and marking. (Ref 8-P2) Chicane with traffic island (Ref 8-P3) 	<ul style="list-style-type: none"> \$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 interventions 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.

A

Appendix A – Cost Schedules

B

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

Roadmarking & signage

New signage	no	
Road marking	LS	
White centreline, 100mm, continuous, long life	m	10
White lane lines, 100mm, continuous, 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% Recommended
On-site Overheads	20%	20% Recommended
Off-site Overheads	10%	
Environmental		3% Recommended



Intersection upgrade – Low	
Contract No	AUCKLAND COUNCIL HOUSING
Contract Name	
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	-	-
3	PHYSICAL WORKS				180,256.25
	Site Clearance & Demolition				
	Breakout and remove existing kerb	m	60	45.00	2,700.00
	Breakout and remove existing catchpit	no	2	1,500.00	3,000.00
	Sawcut	m	25	20.00	500.00
	Breakout and remove existing footpath/berm	m2	240	45.00	10,800.00
					-
	Earthworks				-
	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
	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				-
	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 Overhead and Profit)				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 Overheads and Profit)				237,938.25
PS	TOTAL PROVISIONAL SUMS (Clause 12.9)				-
					-
					-
					-
					-
					-
T6	TOTAL (excluding GST) - TO FORM OF TENDER/TENDER SUMMARY				237,938.25



A	Net Project property Cost		
B	Project Development Phase		
	Consultancy Fees	12%	28,552.59
	AT managed costs	6%	14,276.30
	Waka Kotahi managed costs		
	Kiwirail managed costs		
	Project Development Phase Escalation		
B	Total Project Development:		42,828.89
C	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		
C	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)		
	Consent monitoring fees	1%	2,379.38
	Implementation Phase Fees Escalation		
	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 AUCKLAND COUNCIL HOUSING
Contract Name
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	-	-
3	PHYSICAL WORKS				457,818.75
	Site Clearance & Demolition				
	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
					-
	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				-
	New signage	no	18	400.00	7,200.00
	Road marking	LS	1	15,000.00	15,000.00
					-
	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)				457,818.75
T2	TOTAL ON-SITE OVERHEADS	%		20%	91,563.75
T3	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads)				549,382.50
T4	TOTAL OFF-SITE OVERHEAD & PROFIT	%		10%	54,938.25
T5	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads, Off-site Overheads and Profit)				604,320.75
PS	TOTAL PROVISIONAL SUMS (Clause 12.9)				-
					-
					-
					-
					-
					-
					-
					-
T6	TOTAL (excluding GST) - TO FORM OF TENDER/TENDER SUMMARY				604,320.75

A	Net Project property Cost		
B	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		
B	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		
C	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
E	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

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				577,530.00
	Site Clearance & Demolition				
	Breakout and remove existing kerb	m	230.00	45.00	10,350.00
	Breakout and remove existing catchpit	no	2.00	1,500.00	3,000.00
	Sawcut	m	30.00	20.00	600.00
	Breakout and remove existing footpath/berm	m2	356.00	45.00	16,020.00
					-
	Earthworks				-
	Cut to waste	m3	93.60	125.00	11,700.00
					-
	Concrete Works				-
	Concrete footpath	m2	468.00	125.00	58,500.00
	Pram crossing	m2	72.00	125.00	9,000.00
	New K&C including subsoil drainage	m	235.00	300.00	70,500.00
	Tactile pavers	m2	24.00	450.00	10,800.00
					-
	Pavement				-
	Mill existing	m2	1,200.00	20.00	24,000.00
	Subgrade prep	m2	1,200.00	5.00	6,000.00
	Chipseal	m2	1200	10.00	12,000.00
	40mm DG10	m2	1200	55.00	66,000.00
	Tie-in to existing - bandage seal	m	35	20.00	700.00
					-
	Drainage				-
	Supply and install new CP	no	2	5,500.00	11,000.00
	225mm RCRRJ lead pipe for CP - 2m long	m	10	475.00	4,750.00
					-
	Traffic Signals				-
	JUMA pole	no	6	10,000.00	60,000.00
	3 aspect lantern	no	12	1,050.00	12,600.00
	Pedestrian lantern 2 aspect	no	6	800.00	4,800.00
	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				-
	New signage	LS	1	15,000.00	15,000.00
	Road marking	LS	1	30,000.00	30,000.00
T1	TOTAL (Exclusive of On-site Overheads and exclusive of Off-site Overhead and Profit)				577,530.00
T2	TOTAL ON-SITE OVERHEADS	%		20%	115,506.00
T3	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads)				693,036.00
T4	TOTAL OFF-SITE OVERHEAD & PROFIT	%		10%	69,303.60
T5	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads, Off-site Overheads and Profit)				762,339.60



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

A	Net Project property Cost		
B	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		
B	Total Project Development:		137,221.13
C	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		
C	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		
	D.1 Subtotal Base Implementation Fees:		83,857.36
D.2	Physical works inc. On-site Overheads, Off-site Overheads & Profit, TM & Environmental		762,339.60
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 AUCKLAND COUNCIL HOUSING
Contract Name
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	-	-
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
					-
	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
	Landscaping & Furniture				-
	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
T2	TOTAL ON-SITE OVERHEADS	%		20%	116,345.00
T3	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 Overheads 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



A	Net Project property Cost		
B	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		
B	Total Project Development:		138,217.86
C	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		
C	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	Physical works inc. On-site Overheads, Off-site Overheads & Profit, TM & Environmental		767,877.00
E	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

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				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	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 (Exclusive of On-site Overheads and exclusive of Off-site Overhead and Profit)				744,717.50
T2	TOTAL ON-SITE OVERHEADS	%		20%	148,943.50
T3	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 Overheads and Profit)				983,027.10
PS	TOTAL PROVISIONAL SUMS (Clause 12.9)				-
					-
					-
					-
					-
					-
					-
					-
					-
T6	TOTAL (excluding GST) - TO FORM OF TENDER/TENDER SUMMARY				983,027.10



A	Net Project property Cost		
B	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		
B	Total Project Development:		176,944.88
C	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		
C	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	Physical works inc. On-site Overheads, Off-site Overheads & Profit, TM & Environmental		983,027.10
E	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 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				1,128,950.00
	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
					-
	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
	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	m2	500.00	50.00	25,000.00
	Mulch	m2	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 Overheads and Profit)				1,490,214.00
PS	TOTAL PROVISIONAL SUMS (Clause 12.9)				-
					-
					-
					-
					-
					-
					-
					-
					-
					-
T6	TOTAL (excluding GST) - TO FORM OF TENDER/TENDER SUMMARY				1,490,214.00

A	Net Project property Cost		
B	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		
B	Total Project Development:		268,238.52
C	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		
C	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
D.2	Physical works inc. On-site Overheads, Off-site Overheads & Profit, TM & Environmental		1,490,214.00
E	Base Estimate		2,160,810.30
F	P50	70%	1,512,567.21
	P50 TOTAL		3,673,377.51



Intersection upgrade - High - Traffic Signals

Contract No AUCKLAND COUNCIL HOUSING
Contract Name
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	-	-
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				-
	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
	Concrete Works				-
	Concrete footpath	m2	600.00	125.00	75,000.00
	Kerb & channel	m	300.00	300.00	90,000.00
	Drainage				-
	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				-
	Supply and install new light pole, including trenching, ducting, cabling and	no	12.00	12,000.00	144,000.00
	Traffic Signals				-
	per road				-
	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 Overhead and Profit)				1,412,080.00
T2	TOTAL ON-SITE OVERHEADS	%		20%	282,416.00
T3	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-site Overheads and Profit)				1,863,945.60
PS	TOTAL PROVISIONAL SUMS (Clause 12.9)				-
					-
					-
					-
					-
					-
					-
T6	TOTAL (excluding GST) - TO FORM OF TENDER/TENDER SUMMARY				1,863,945.60

A	Net Project property Cost		
B	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		
B	Total Project Development:		335,510.21
C	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		
C	Total Pre-Implementation:		298,231.30
D	Implementation Phase		
D.1	Implementation Fees (MSQA);		
	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)		
	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 & Environmental		1,863,945.60
E	Base Estimate		2,702,721.12
F	P50	70%	1,891,904.78
	P50 TOTAL		4,594,625.90



Midblock – Low

Contract No AUCKLAND COUNCIL HOUSING
Contract Name
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	-	-
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 (Exclusive of On-site Overheads and exclusive of Off-site Overhead and Profit)				1,977,625.00
T2	TOTAL ON-SITE OVERHEADS	%		20%	395,525.00
T3	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-site Overheads and Profit)				2,610,465.00
PS	TOTAL PROVISIONAL SUMS (Clause 12.9)				-
					-
					-
T6	TOTAL (excluding GST) - TO FORM OF TENDER/TENDER SUMMARY				2,610,465.00



A	Net Project property Cost		
B	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		
B	Total Project Development:		469,883.70
C	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		
C	Total Pre-Implementation:		417,674.40
D	Implementation Phase		
D.1	Implementation Fees (MSQA);		
	Consultancy Fees	7%	182,732.55
	AT managed costs	3%	78,313.95
	Waka Kotahi managed costs		
	Kiwirail costs(BOL related, safety personnel, permits etc)		
	Consent monitoring fees	1%	26,104.65
	Implementation Phase Fees Escalation		
	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
E	Base Estimate		3,785,174.25
F	P50	70%	2,649,621.98
	P50 TOTAL		6,434,796.23



Midblock – Medium

Contract No AUCKLAND COUNCIL HOUSING
Contract Name
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	-	-
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 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
	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
	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 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 (Exclusive of On-site Overheads and exclusive of Off-site Overhead and Profit)				4,146,175.00



T2	TOTAL ON-SITE OVERHEADS	%		20%	829,235.00
T3	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 Overheads and Profit)				5,472,951.00
PS	TOTAL PROVISIONAL SUMS (Clause 12.9)				-
					-
					-
					-
					-
					-
					-
					-
					-
T6	TOTAL (excluding GST) - TO FORM OF TENDER/TENDER SUMMARY				5,472,951.00

A	Net Project property Cost			
B	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			
B	Total Project Development:		985,131.18	
C	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			
C	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 inc. On-site Overheads, Off-site Overheads & Profit, TM & Environmental		5,472,951.00	
E	Base Estimate		7,935,778.95	
F	P50	70%	5,555,045.27	
	P50 TOTAL		13,490,824.22	



Midblock - High

Contract No AUCKLAND COUNCIL HOUSING
Contract Name
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	-	-
3	PHYSICAL WORKS				6,873,384.00
	Site Clearance & Demolition				
	Breakout and remove existing footpath/berm	m2	10,000.00	45.00	450,000.00
	Breakout and remove existing kerb & channel	m	2,000.00	45.00	90,000.00
	Breakout and remove existing catchpit	no	50.00	1,500.00	75,000.00
	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
	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
					-
	Pavement Works				-
	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
					-
	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
					-
	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
					-
	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
					-
	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 (Exclusive of On-site Overheads and exclusive of Off-site Overhead and Profit)				6,873,384.00
T2	TOTAL ON-SITE OVERHEADS	%		20%	1,374,676.80
T3	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 Overheads and Profit)				9,072,866.88
PS	TOTAL PROVISIONAL SUMS (Clause 12.9)				-
					-
					-
					-
T6	TOTAL (excluding GST) - TO FORM OF TENDER/TENDER SUMMARY				9,072,866.88

A	Net Project property Cost		
B	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		
B	Total Project Development:		1,633,116.04
C	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		
C	Total Pre-Implementation:		1,451,658.70
D	Implementation Phase		
D.1	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
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 AUCKLAND COUNCIL HOUSING
Contract Name
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	-	-
3	PHYSICAL WORKS				99,930.00
	Site Clearance & Demolition				
	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
					-
	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
	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				-
	New signage	no	10	400.00	4,000.00
	Road marking	LS	1	5,000.00	5,000.00
T1	TOTAL (Exclusive of On-site Overheads and exclusive of Off-site Overhead and Profit)				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-site Overheads and Profit)				131,907.60
PS	TOTAL PROVISIONAL SUMS (Clause 12.9)				-
					-
					-
					-
					-
					-
					-
					-
					-
T6	TOTAL (excluding GST) - TO FORM OF TENDER/TENDER SUMMARY				131,907.60



A	Net Project property Cost		
B	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		
B	Total Project Development:		23,743.37
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
F	P50	70%	133,886.21
	P50 TOTAL		325,152.23



Local area traffic management - Speed

Contract No AUCKLAND COUNCIL HOUSING
Contract Name
Contractor

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
					-
T1	TOTAL (Exclusive of On-site Overheads and exclusive of Off-site Overhead and Profit)				5,349.50
T2	TOTAL ON-SITE OVERHEADS	%		20%	1,069.90
T3	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads)				6,419.40
T4	TOTAL OFF-SITE OVERHEAD & PROFIT	%		10%	641.94
T5	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads, Off-site Overheads and Profit)				7,061.34
PS	TOTAL PROVISIONAL SUMS (Clause 12.9)				-
					-
					-
					-
					-
					-
					-
					-
					-
					-
T6	TOTAL (excluding GST) - TO FORM OF TENDER/TENDER SUMMARY				7,061.34



A	Net Project property Cost		
B	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		
B	Total Project Development:		1,271.04
C	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		
C	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
D.2	Physical works inc. On-site Overheads, Off-site Overheads & Profit, TM & Environmental		7,061.34
E	Base Estimate		10,238.94
F	P50	70%	7,167.26
	P50 TOTAL		17,406.20



Local area traffic management - Chicane

Contract No AUCKLAND COUNCIL HOUSING
Contract Name
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	-	-
3	PHYSICAL WORKS				6,635.00
	Site Clearance & Demolition				
	Breakout and remove existing kerb & channel	m	5	45.00	225.00
	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
					-
	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 Overhead and Profit)				6,635.00
T2	TOTAL ON-SITE OVERHEADS	%		20%	1,327.00
T3	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads)				7,962.00
T4	TOTAL OFF-SITE OVERHEAD & PROFIT	%		10%	796.20
T5	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads, Off-site Overheads 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



A	Net Project property Cost		
B	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		
B	Total Project Development:		1,576.48
C	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		
C	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		
	Kiwirail costs(BOL related, safety personnel, permits etc)		
	Consent monitoring fees	1%	87.58
	Implementation Phase Fees Escalation		
	D.1 Subtotal Base Implementation Fees:		963.40
D.2	Physical works inc. On-site Overheads, Off-site Overheads & Profit, TM & Environmental		8,758.20
E	Base Estimate		12,699.39
F	P50	70%	8,889.57
	P50 TOTAL		21,588.96



Active mode crossing- zebra crossing

Contract No AUCKLAND COUNCIL HOUSING
Contract Name
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	-	-
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 (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
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 Overheads and Profit)				53,605.20
PS	TOTAL PROVISIONAL SUMS (Clause 12.9)				-
					-
					-
					-
					-
					-
					-
					-
					-
T6	TOTAL (excluding GST) - TO FORM OF TENDER/TENDER SUMMARY				53,605.20



A	Net Project property Cost		
B	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		
B	Total Project Development:		9,648.94
C	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		
C	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 & Environmental		53,605.20
E	Base Estimate		77,727.54
F	P50	70%	54,409.28
	P50 TOTAL		132,136.82



Footpath only retrofit (Brownfield)

Contract No AUCKLAND COUNCIL HOUSING
Contract Name
Contractor

Tender Measure and Value Schedule of Prices

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
					-
2	TOTAL ENVIRONMENTAL MANAGEMENT				6,990.00
2.1	Implementation of Environmental Management Plan.	LS	1	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
					-
	Roadmarking & signage				-
	Misc.	m	1,000.00	25.00	25,000.00
					-
T1	TOTAL (Exclusive of On-site Overheads and exclusive of Off-site Overhead and Profit)				566,190.00
T2	TOTAL ON-SITE OVERHEADS	%		20%	113,238.00
T3	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-site Overheads 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



A	Net Project property Cost		
B	Project Development Phase		
	Consultancy Fees	12%	89,684.50
	AT managed costs	6%	44,842.25
	Waka Kotahi managed costs		
	Kiwirail managed costs		
	Project Development Phase Escalation		
B	Total Project Development:		134,526.74
C	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		
C	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	Physical works inc. On-site Overheads, Off-site Overheads & Profit, TM & Environmental		747,370.80
E	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

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				13,477,805.00
	Site Clearance & Demolition				
	Breakout and remove existing footpath/berm	m2	10,000.00	45.00	450,000.00
	Breakout and remove existing kerb & channel	m	2,000.00	45.00	90,000.00
	Breakout and remove existing catchpit	no	50.00	1,500.00	75,000.00
	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	8,900.00	125.00	1,112,500.00
					-
	Pavement Works				-
	Subgrade Prep				-
	Subgrade prep. 500mm behind kerb face	m2	18,000.00	6.00	108,000.00
	Lime Stabilise 300mm depth subgrade	m2	17,000.00	30.00	510,000.00
	Undercut unsuitable subgrade material - Provisional Item	m3	1,020.00	150.00	153,000.00
	Geotextile	m2	18,000.00	5.00	90,000.00
	Pavement				
	Mill existing surface	m2	17,000.00	20.00	340,000.00
	350mm GAP65	m3	5,950.00	175.00	1,041,250.00
	250mm M4 Basecourse	m3	4,250.00	200.00	850,000.00
	Grade 2/4 Chip Two Coat Seal	m2	17,000.00	10.00	170,000.00
	40mm DG10	m2	17,000.00	10.00	170,000.00
	Tie-in to existing - bandage seal	m	34.00	20.00	680.00
	Concrete Works				-
	Concrete footpath	m2	11,000.00	125.00	1,375,000.00
	Vehicle crossings	m2	875.00	175.00	153,125.00
	Kerb & channel	m	2,000.00	300.00	600,000.00
	Mountable kerb between FP and Cycle path	m	2,000.00	125.00	250,000.00
	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
					-
	Lighting				-
	Supply and install new light pole, including trenching, ducting, cabling and	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, 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				-
	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



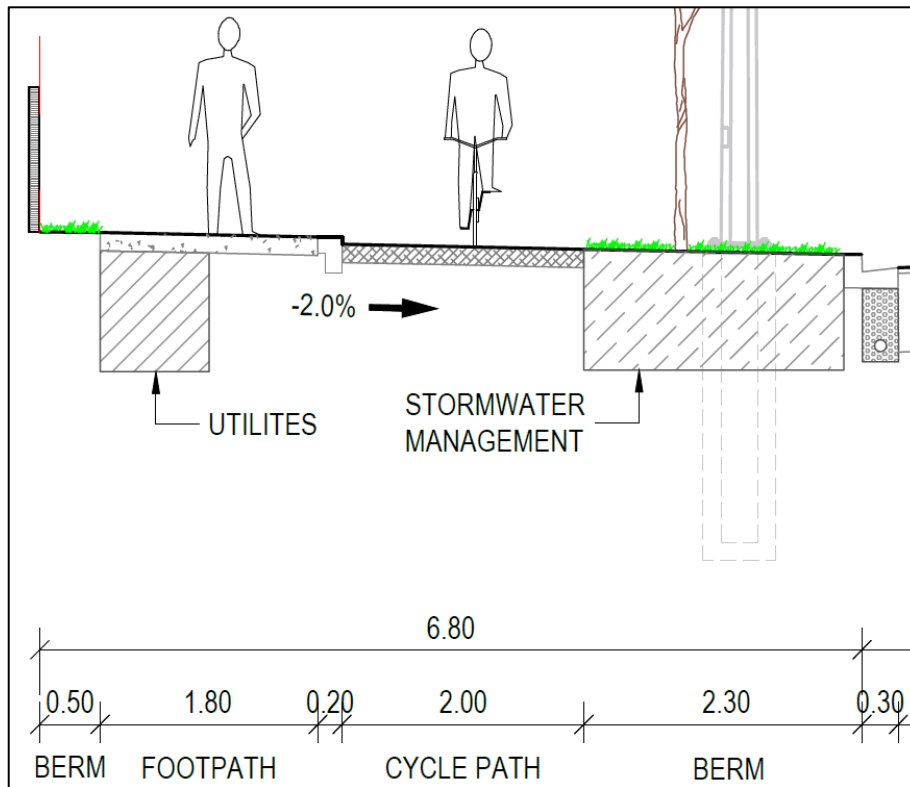
	General planting	LS	1.00	25,000.00	25,000.00
					-
	Services				-
	Relocation of services - sum based on rate within BECA estimate	m	1,000.00	3,600.00	3,600,000.00
					-
T1	TOTAL (<i>Exclusive of</i> On-site Overheads and exclusive of Off-site Overhead and Profit)				13,477,805.00
T2	TOTAL ON-SITE 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-site Overheads and Profit)				17,790,702.60
PS	TOTAL PROVISIONAL SUMS (Clause 12.9)				-
					-
					-
					-
					-
					-
					-
					-
					-
					-
T6	TOTAL (excluding GST) - TO FORM OF TENDER/TENDER SUMMARY				17,790,702.60



A	Net Project property Cost		
B	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		
B	Total Project Development:		3,202,326.47
C	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		
C	Total Pre-Implementation:		2,846,512.42
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 & Environmental		17,790,702.60
E	Base Estimate		25,796,518.77
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 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.

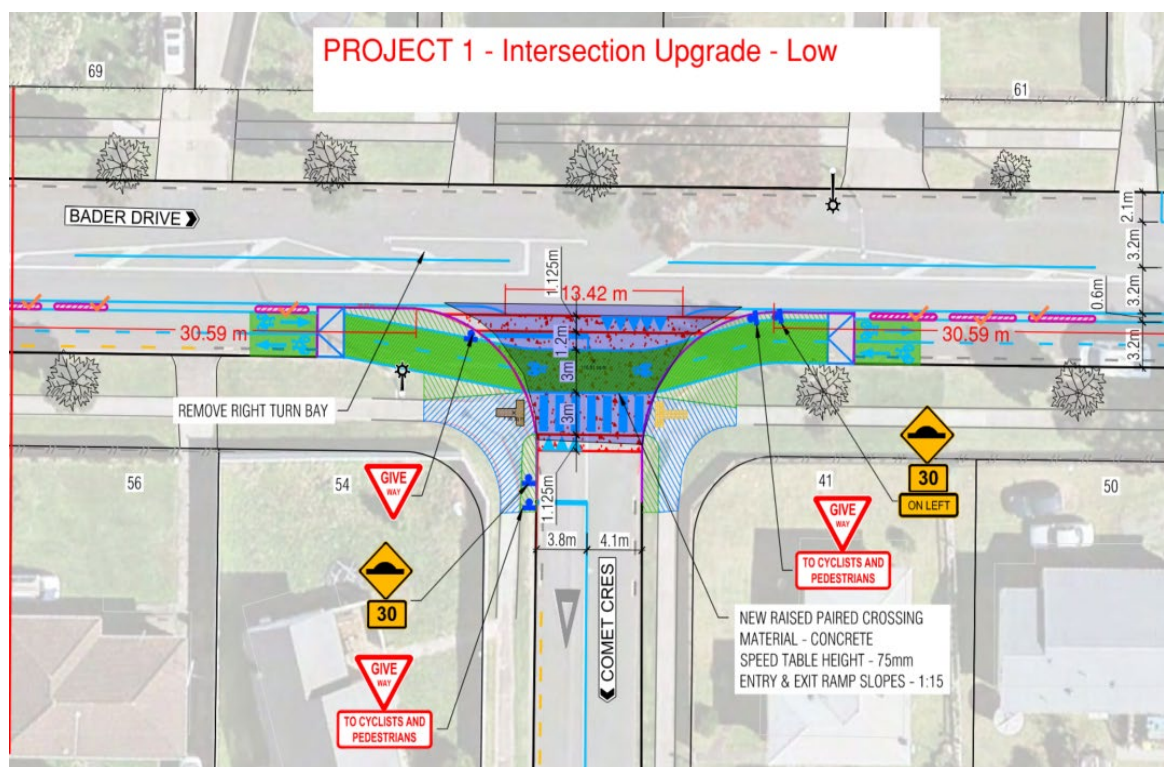


Report Reference	Project Ref	Design
1		Intersection upgrade – Low
2	P1	Intersection upgrade – Medium - Roundabout
	P2	Intersection upgrade – Medium - Signals
3	P1	Intersection upgrade – Medium/High - Roundabout
	P2	Intersection upgrade – Medium/High - Signals
4	P1	Intersection upgrade - High - Roundabout
	P2	Intersection upgrade - High - Traffic Signals
5		Midblock – Low
6		Midblock – Medium
7		Midblock - High
8	P1	Local area traffic management - Speed Table
	P2	Speed threshold
	P3	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
		per unit
Intersection upgrade - med/high	\$ 750,000	per unit
		per unit
Intersection upgrade - high	\$ 1,500,000	per unit
		per unit
Midblock – Low	\$ 2,000	per m
Midblock – Medium	\$ 4,200	per m
Midblock - High	\$ 6,900	per m
Local area Traffic management	\$ 100,000	per unit
	\$ 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,

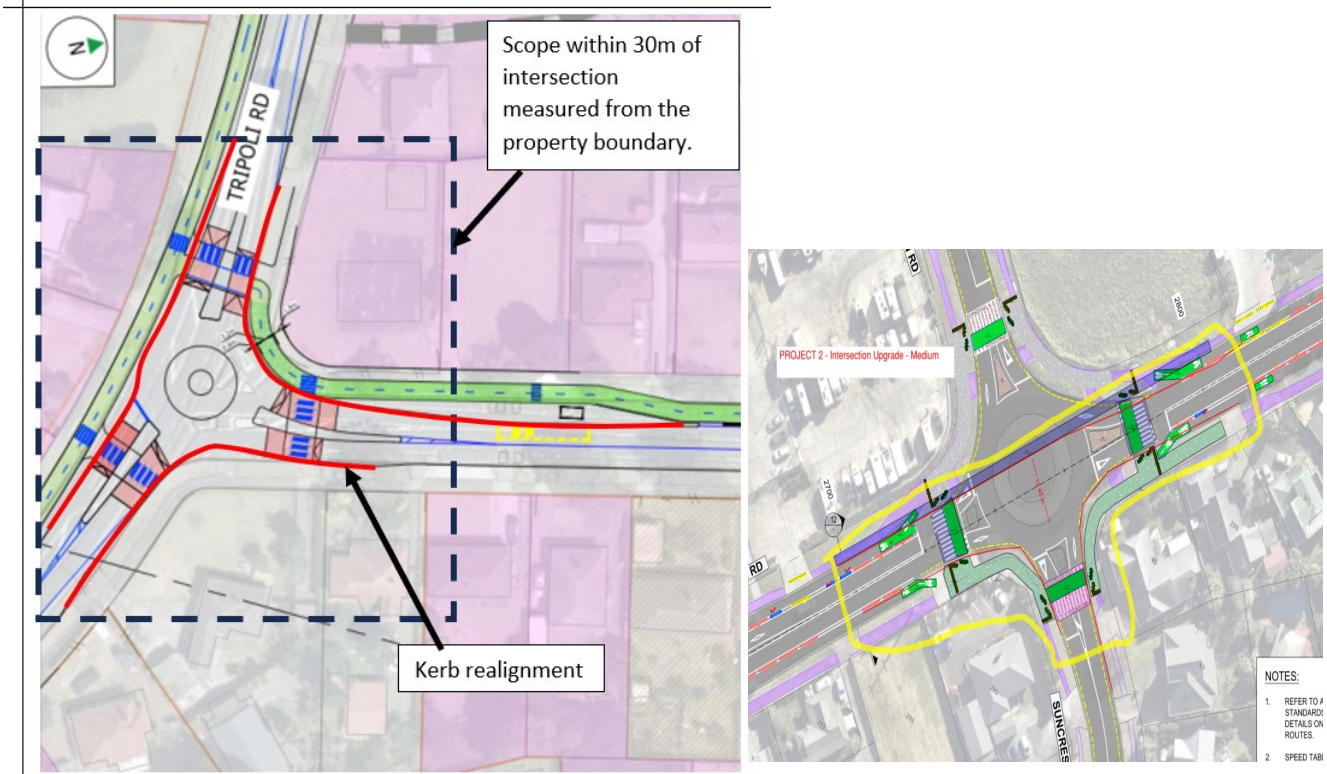
LS for new roadmarking installation and removal

LS for general planting and landscaping

New concrete FP/pram crossing x2m wide

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,

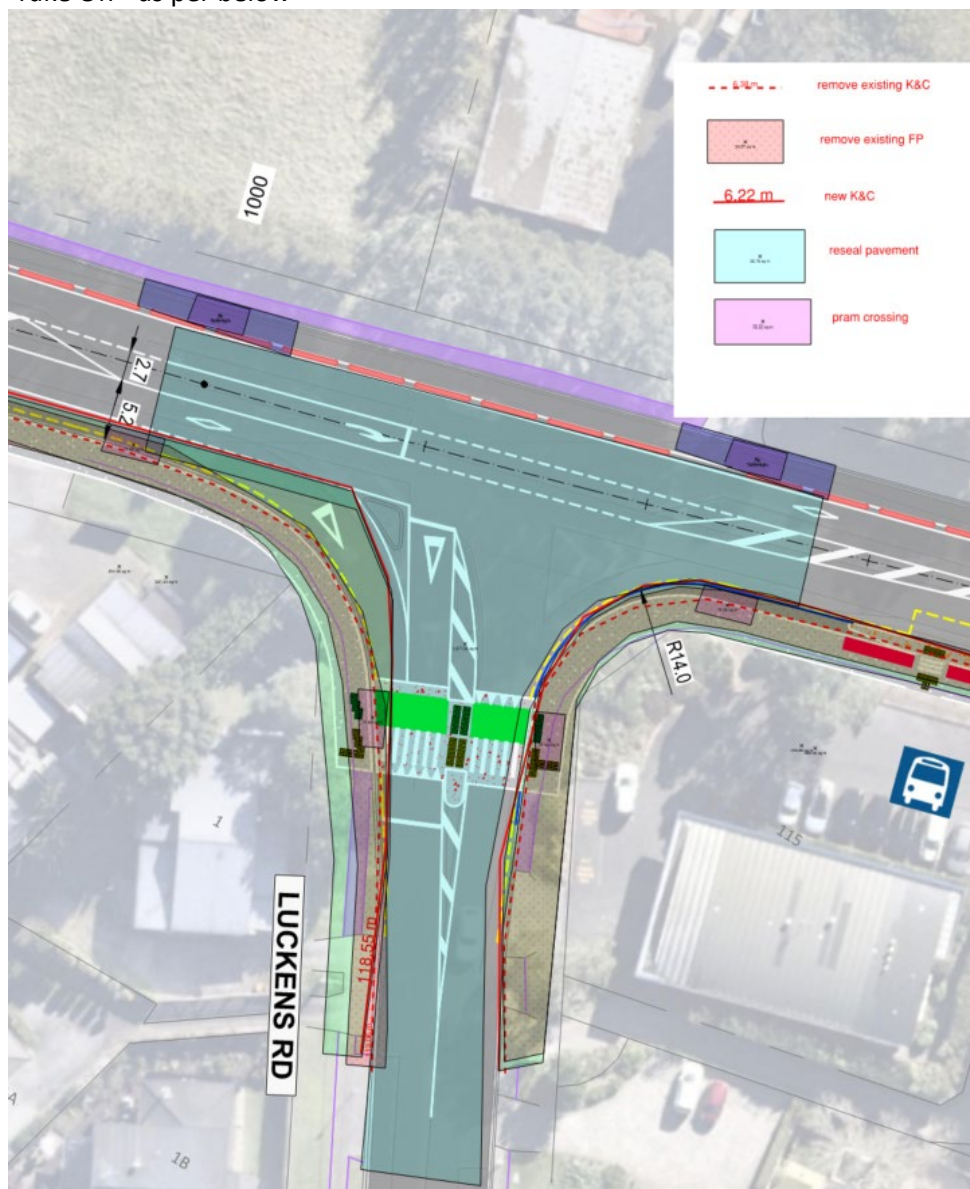
LS for new roadmarking installation and removal

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

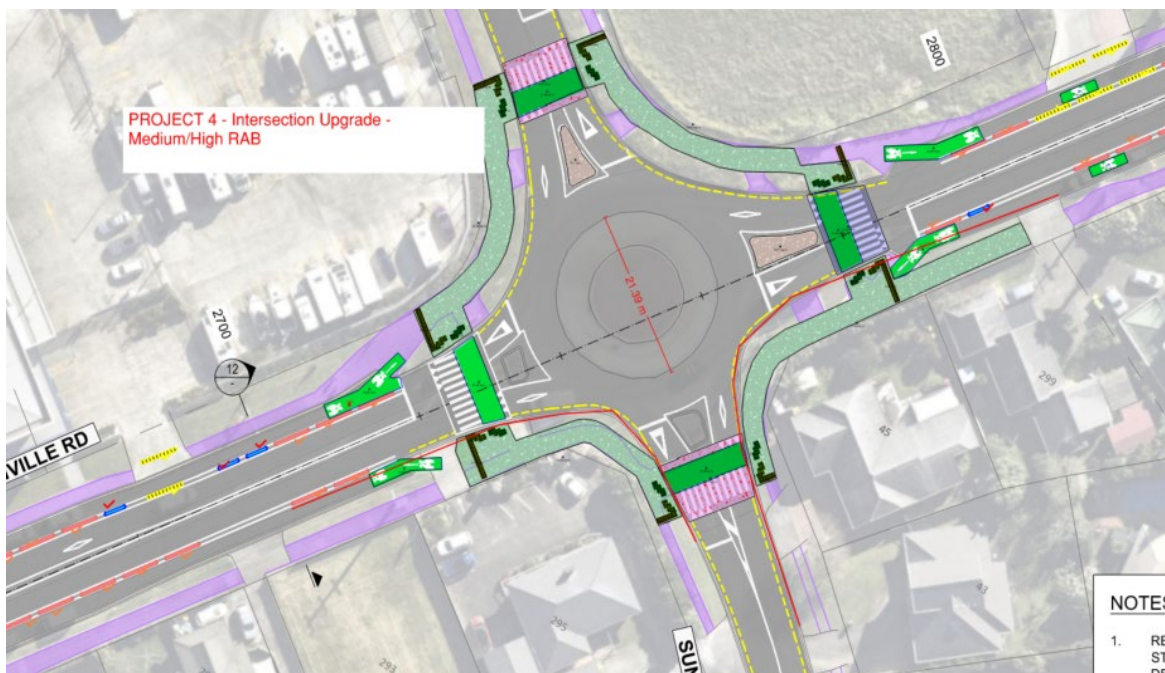
New K&C including subsoil drainage

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

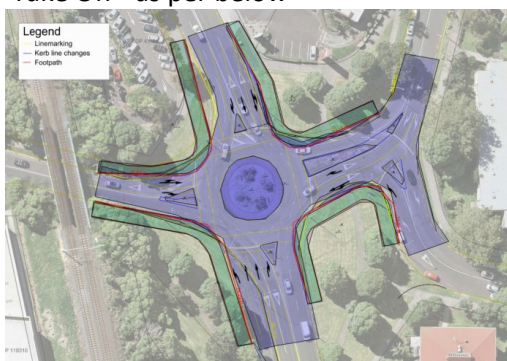
LS for service relocations (minor)

x3 new vehicle crossings

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 asphalt

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 pavement - now 7m wide milled and re-surfaced

New CP every 40m on 1 side

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

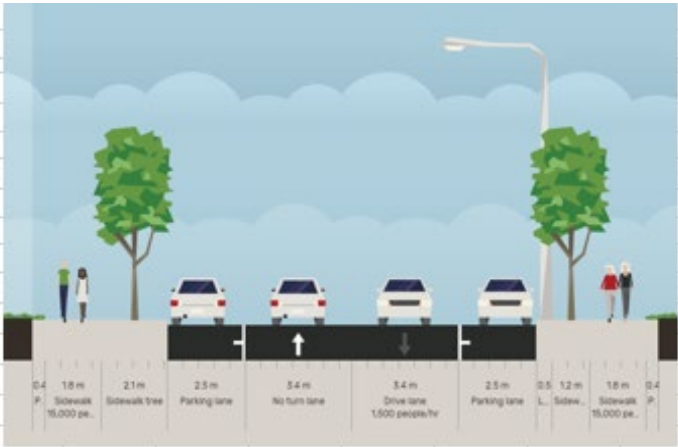
New road marking & signage

New berm 1.8m wide

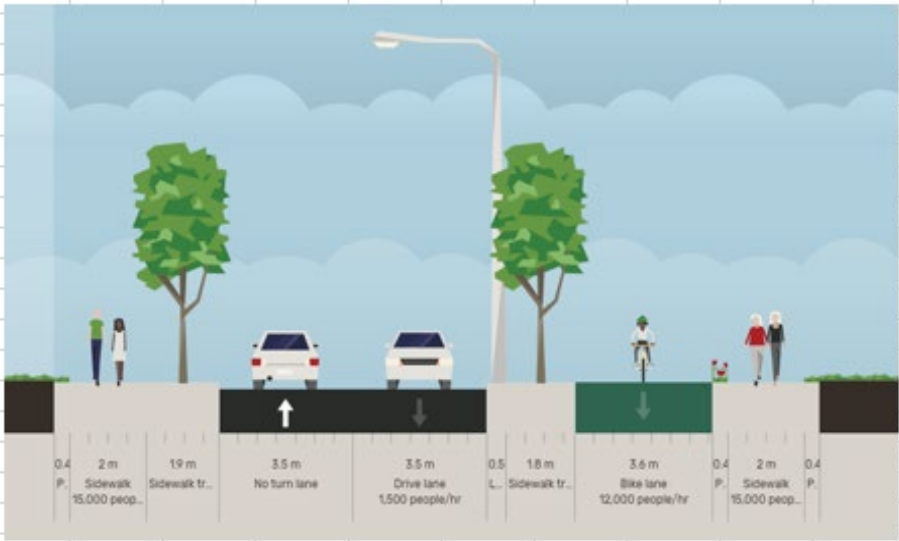
Removal and replacement of existing bus shelter x1 evert 400m

x1 new tree every 100m

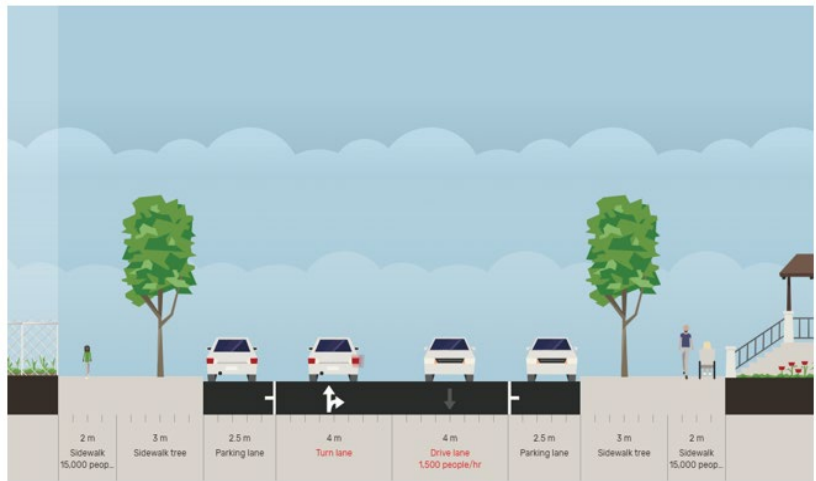
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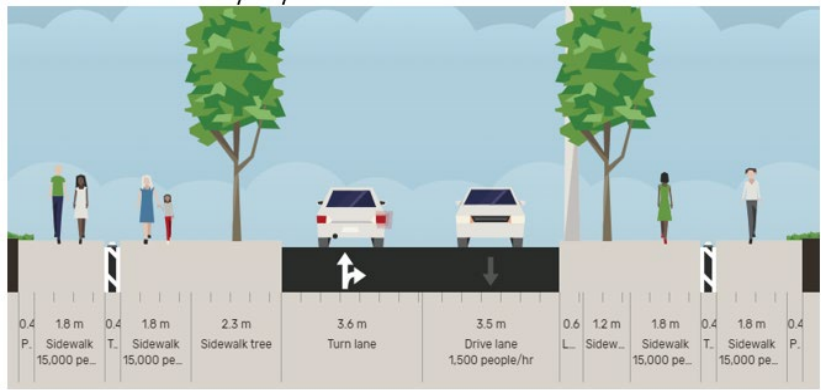
Proposed Design



Ref7 - Midblock - High



Provision of swedish style cycle facilities.



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 channel	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

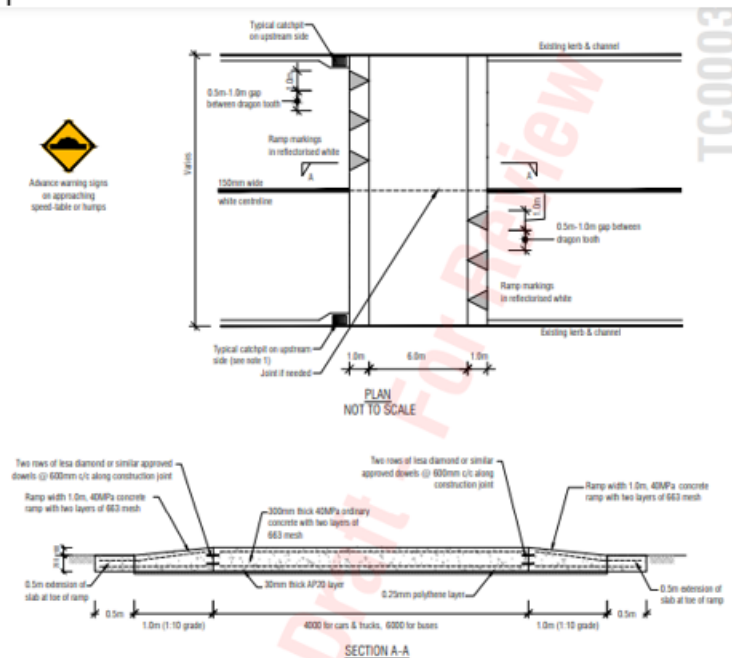
remove and replace K&C 20m with side of speed table - with new footpath

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

Replace x2 CPs with x5 lead per CP

new road marking & signage

speed table.



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

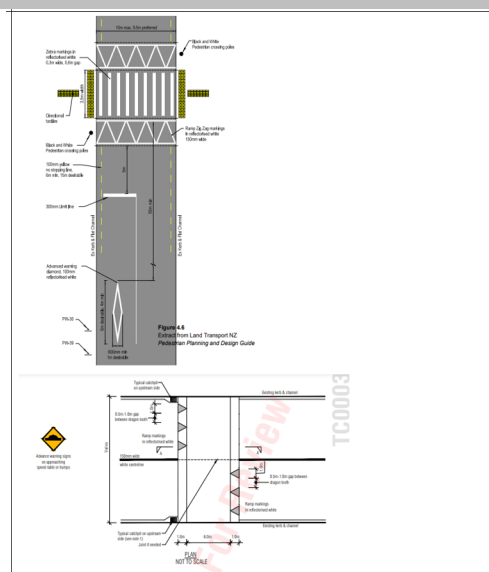
Ref9 - Active mode crossing - Zebra crossing

Breakout and removal of k&c with FP 5m either side

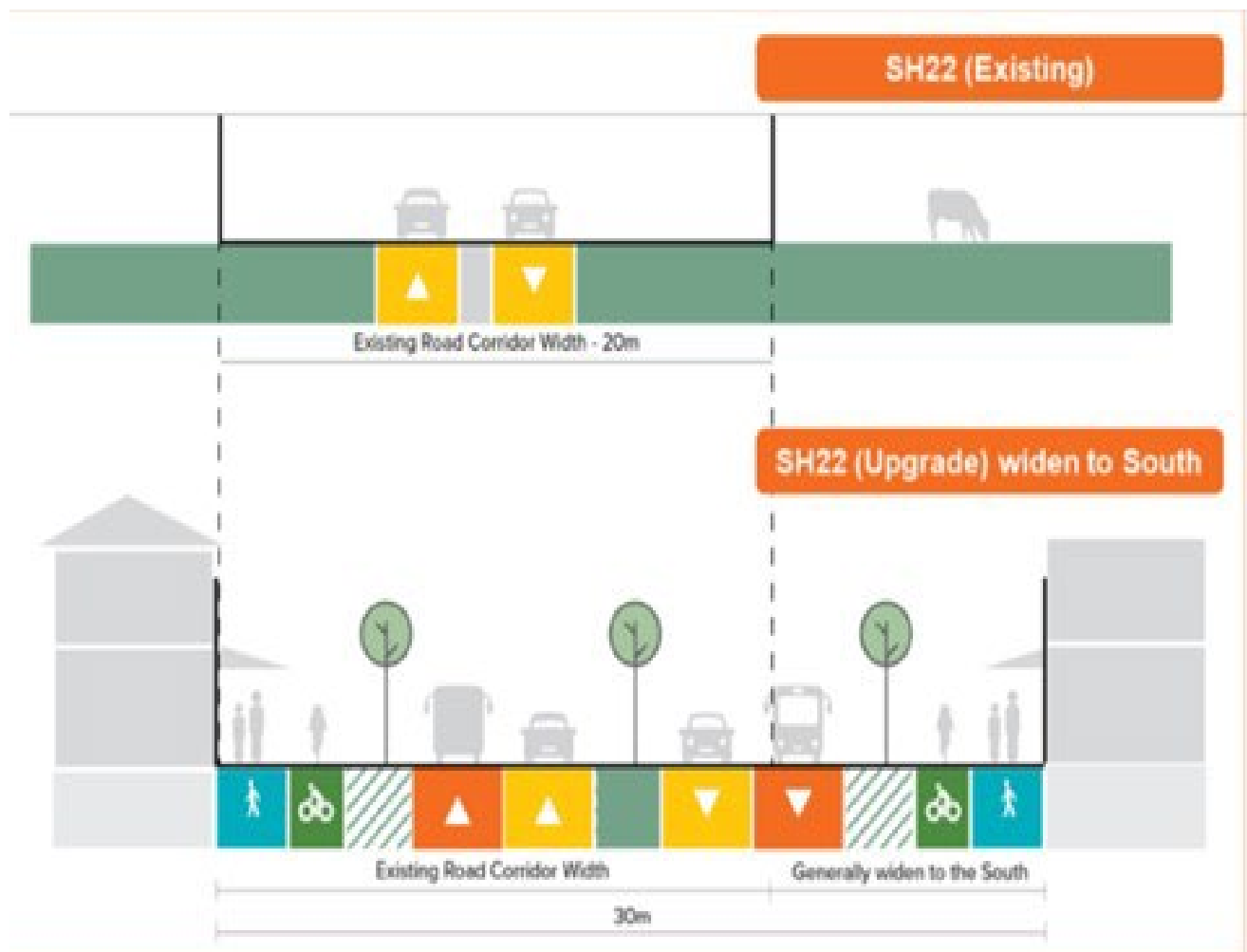
x2 belisha poles

new signage and marking

new footpath/pram crossing with pavers



Ref 11 - 4 lane transport corridor





Intersection upgrade – Low

Contract No	AUCKLAND COUNCIL HOUSING
Contract Name	
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	-	-				
3	PHYSICAL WORKS				180,256.25	Lifespan (years)	Proportion (30yrs/Lifespan)	Proportion Renewal \$	Proportion Renewal %
	Site Clearance & Demolition							\$ 57,492.50	17%
	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	38%	\$ 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	60%	\$ 6,480.00	
					-			\$ -	
	Earthworks				-			\$ -	
	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	
					-				
	Roadmarking & signage				-				
	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 Overhead and Profit)				180,256.25	T1			
T2	TOTAL ON-SITE OVERHEADS	%		20%	36,051.25	T2			
T3	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads)				216,307.50	T3=T1+T2+1A			
T4	TOTAL OFF-SITE OVERHEAD & PROFIT	%		10%	21,630.75	T4			
T5	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads, Off-site Overheads and Profit)				237,938.25	T5=T3+T4			
PS	TOTAL PROVISIONAL SUMS (Clause 12.9)				-	PS			
					-				
					-				
					-				
					-				
					-				
					-				
					-				
					-				
					-				
					-				
T6	TOTAL (excluding GST) - TO FORM OF TENDER/TENDER SUMMARY				237,938.25	T6=T5+PS+U			

A	Net Project property Cost		
B	Project Development Phase		
	Consultancy Fees	12%	28,552.59
	AT managed costs	6%	14,276.30
	Waka Kotahi managed costs		
	Kiwirail managed costs		
	Project Development Phase Escalation		
B	Total Project Development:		42,828.89
C	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		
C	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)		
	Consent monitoring fees	1%	2,379.38
	Implementation Phase Fees Escalation		



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	AUCKLAND COUNCIL HOUSING
Contract Name	
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	-	-				
3	PHYSICAL WORKS				457,818.75				
	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				
					-				
	Lighting				-				
	Remove existing lightpole and dispose	no	6	1,500.00	9,000.00	30	100%	\$ 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				-				
	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)				457,818.75	T1
T2	TOTAL ON-SITE OVERHEADS	%		20%	91,563.75	T2
T3	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 Overheads and Profit)				604,320.75	T5=T3+T4
PS	TOTAL PROVISIONAL SUMS (Clause 12.9)				-	PS
					-	
					-	
					-	
					-	
					-	
					-	
					-	
					-	
T6	TOTAL (excluding GST) - TO FORM OF TENDER/TENDER SUMMARY				604,320.75	T6=T5+PS+U

A	Net Project property Cost		
B	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		
B	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		
C	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
E	Base Estimate		876,265.09
F	P50	70%	613,385.56
	P50 TOTAL		1,489,650.65

Contract No	AUCKLAND COUNCIL HOUSING
Contract Name	
Contractor	

Item	Description	Unit	Quantity	Rate	Amount
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2.1	Implementation of Environmental Management Plan.	LS	1	-	-
					-

Site Clearance & Demolition					
	Breakout and remove existing kerb	m	230.00	45.00	10,350.00
	Breakout and remove existing catchpit	no	2.00	1,500.00	3,000.00
	Sawcut	m	30.00	20.00	600.00
	Breakout and remove existing footpath/berm	m2	356.00	45.00	16,020.00
					-

					-
	Concrete Works				-
		0	120.00	120.00	50,000.00

	New R&C including subsoil drainage	m	233.00	300.00	70,500.00
	Tactile pavers	m2	24.00	450.00	10,800.00
					-

	Subgrade prep	m2	1,200.00	5.00	6,000.00
	Chipseal	m2	1200	10.00	12,000.00

Drainage					-
Construction of drainage				5,500.00	11,000.00

	Traffic Signals				-
	II MA pole	no	6	10 000.00	60 000.00

	Callbox	no	6	800.00	4,800.00
	CCTV	no	1	10,000.00	10,000.00

Junction box	no	2	175.00	350.00
TSC4 Controller	no	1	25,000.00	25,000.00

	Roadmarking & signage				-
	New signage	US	1	15,000.00	15,000.00

T1	TOTAL (Exclusive of On-site Overheads and exclusive of Off-site Overhead and Profit)				577,530.00

T4	TOTAL OFF-SITE OVERHEAD & PROFIT	%	10%	69,303.60
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10	TOTAL PROVISIONAL GAINS (LOSS) (%)				-
					-
					-

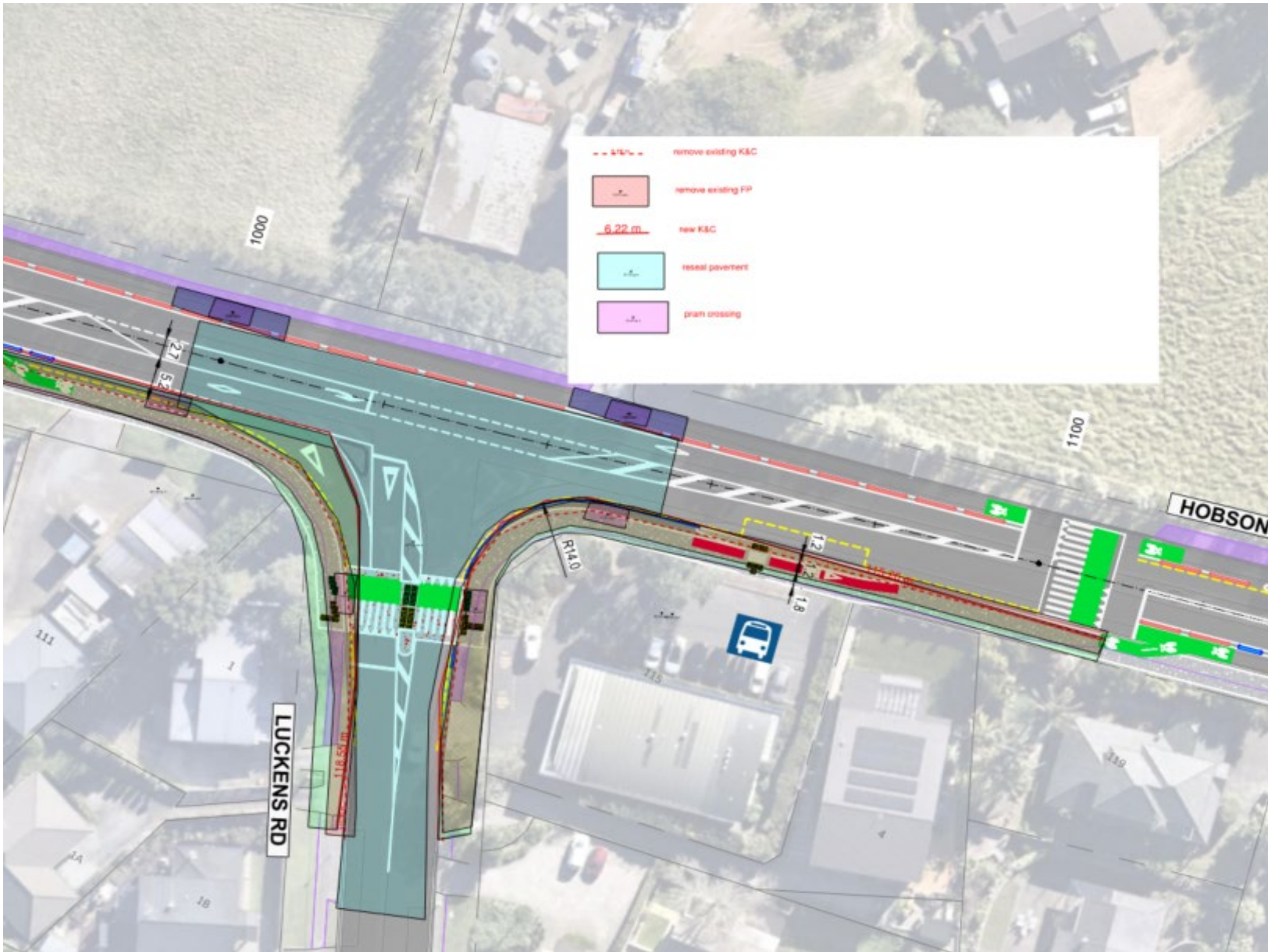
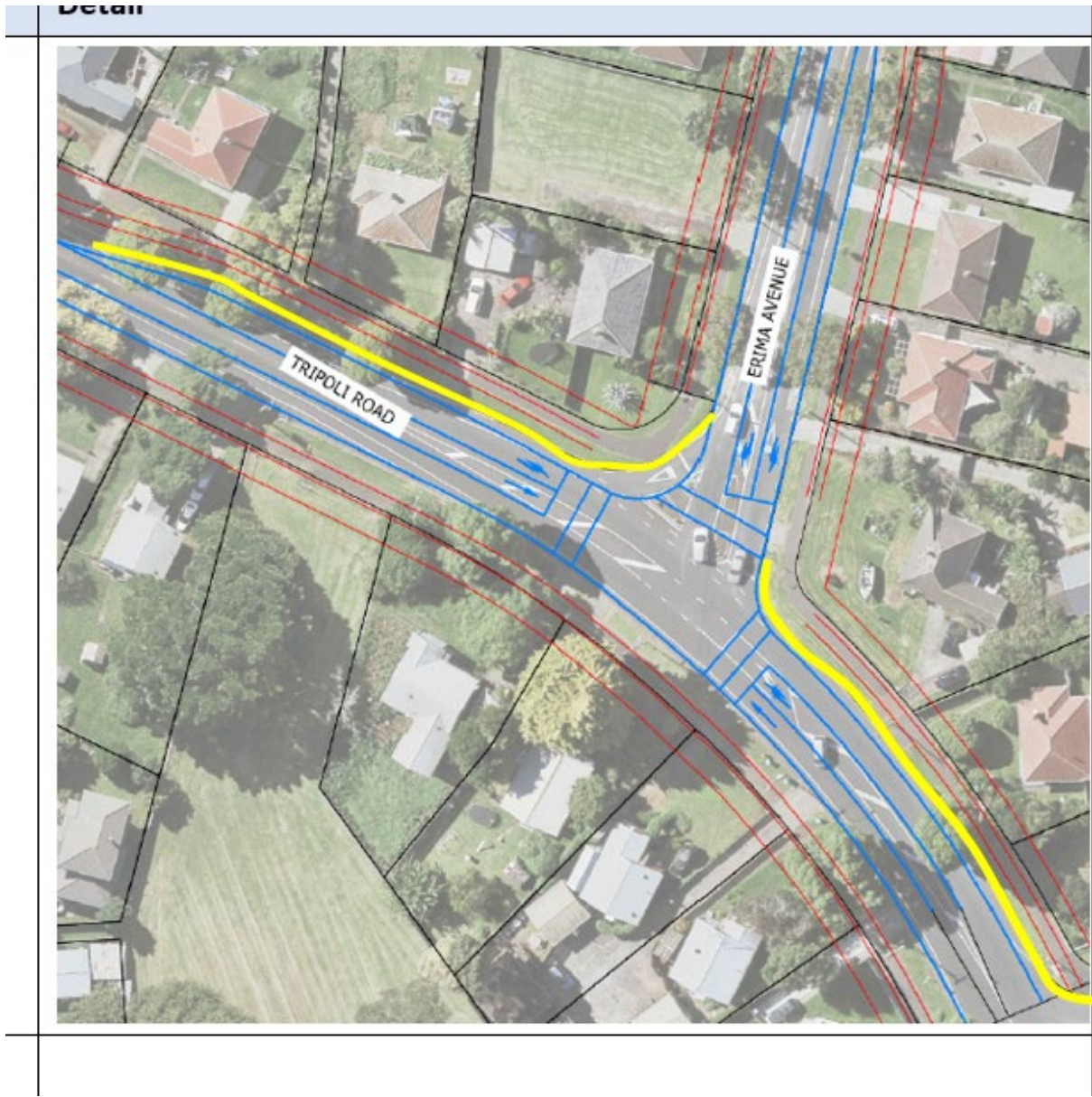
T1	
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					-
					-
					-
					-
					-
					-
T6	TOTAL (excluding GST) - TO FORM OF TENDER/TENDER SUMMARY				762,339.60

T6=T5+PS+U

A	Net Project property Cost		
B	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		
B	Total Project Development:		137,221.13
C	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		
C	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		
	D.1 Subtotal Base Implementation Fees:		83,857.36
D.2	Physical works inc. On-site Overheads, Off-site Overheads & Profit, TM & Environmental		762,339.60
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				
Contract Name					
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	-	-				
3	PHYSICAL WORKS				581,725.00	Lifespan (years)	Proportion (30yrs/Lifespan)	Proportion Renewal \$	Proportion Renewal %
	Site Clearance & Demolition							\$ 187,010.00	17%
	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		100%	\$ 2,000.00	
	Breakout and remove existing footpath/berm	m2	480	45.00	21,600.00	50	60%	\$ 12,960.00	
					-				
	Earthworks				-				
	Cut to waste	m3	165.00	125.00	20,625.00				
					-				
	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				-				
	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				
					-				
	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	30	100%	\$ 72,000.00	
					-				
	Roadmarking & signage				-				
	New signage	no	24	400.00	9,600.00				
	Road marking	LS	1	20,000.00	20,000.00				
					-				
	Landscaping & Furniture				-				
	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
T3	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
					-	
					-	
					-	
					-	
					-	
					-	
					-	
					-	
T6	TOTAL (excluding GST) - TO FORM OF TENDER/TENDER SUMMARY				767,877.00	T6=T5+PS+U

A	Net Project property Cost			
B	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			
B	Total Project Development:		138,217.86	
C	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			
C	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	Physical works inc. On-site Overheads, Off-site Overheads & Profit, TM & Environmental		767,877.00	
E	Base Estimate		1,113,421.65	
F	P50	70%	779,395.16	
	P50 TOTAL		1,892,816.81	

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	-	-
					-
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
					-
	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
T2	TOTAL ON-SITE OVERHEADS	%		20%	148,943.50
T3	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 Overheads and Profit)				983,027.10
PS	TOTAL PROVISIONAL SUMS (Clause 12.9)				-
					-
					-
					-
					-
					-
					-
					-
					-
T6	TOTAL (excluding GST) - TO FORM OF TENDER/TENDER SUMMARY				983,027.10

[illegible]

PS

$$T6 = T5 + PS + U$$



A	Net Project property Cost		
B	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		
B	Total Project Development:		176,944.88
C	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		
C	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	Physical works inc. On-site Overheads, Off-site Overheads & Profit, TM & Environmental		983,027.10
E	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 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				1,128,950.00	Lifespan (years)	Proportion (30yrs/Lifespan)	Proportion Renewal \$	Proportion Renewal %
	Site Clearance & Demolition							\$ 628,118.75	29%
	Breakout and remove existing footpath/berm/traffic island	m2	1,500.00	45.00	67,500.00	50	60%	\$ 40,500.00	
	Breakout and remove existing kerb & channel	m	270.00	45.00	12,150.00	80	38%	\$ 4,556.25	
	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 existitng								
	Mill existing surface	m2	3,600.00	20.00	72,000.00	17	100%	\$ 72,000.00	
	Sawcut	m	70.00	20.00	1,400.00	17	100%	\$ 1,400.00	
	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%	\$ 36,000.00	
	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				-				
	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	m2	500.00	50.00	25,000.00				
	Mulch	m2	500.00	30.00	15,000.00				
	Concrete Works				-				
	Concrete footpath	m2	400.00	125.00	50,000.00	50	60%	\$ 30,000.00	
	Vehicle crossings	m2	50.00	175.00	8,750.00				
	New K&C including subsoil drainage	m	205.00	300.00	61,500.00	80	38%	\$ 23,062.50	
	Drainage				-				
	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				
					-				
	Lighting				-				
	Remove existing lightpole and dispose	no	12.00	1,500.00	18,000.00	30	100%	\$ 18,000.00	
	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	
	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	T1			
T2	TOTAL ON-SITE OVERHEADS	%		20%	225,790.00	T2			
T3	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads)				1,354,740.00	T3=T1+T2+1A			
T4	TOTAL OFF-SITE OVERHEAD & PROFIT	%		10%	135,474.00	T4			
T5	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads, Off-site Overheads and Profit)				1,490,214.00	T5=T3+T4			
PS	TOTAL PROVISIONAL SUMS (Clause 12.9)				-	PS			
					-				
					-				
					-				
					-				
					-				
					-				
					-				
					-				
T6	TOTAL (excluding GST) - TO FORM OF TENDER/TENDER SUMMARY				1,490,214.00	T6=T5+PS+U			



A	Net Project property Cost		
B	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		
B	Total Project Development:		268,238.52
C	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		
C	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
D.2	Physical works inc. On-site Overheads, Off-site Overheads & Profit, TM & Environmental		1,490,214.00
E	Base Estimate		2,160,810.30
F	P50	70%	1,512,567.21
	P50 TOTAL		3,673,377.51



Intersection upgrade - High - Traffic Signals

Contract No

AUCKLAND COUNCIL HOUSING

Contract Name

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	-	-				
3	PHYSICAL WORKS				1,412,080.00	Lifespan (years)	Proportion (30yrs/Lifespan)	Proportion Renewal \$	Proportion Renewal %
	Site Clearance & Demolition							\$ 602,776.88	22%
	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				
	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	100%	\$ 66,000.00	
	Sawcut	m	60.00	20.00	1,200.00	17	100%	\$ 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	100%	\$ 33,000.00	
	40mm DG10	m2	3,300.00	55.00	181,500.00	17	100%	\$ 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	30%	\$ 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				



	100mm Garden mix	m2	300.00	50.00	15,000.00				
	Mulch	m2	300.00	30.00	9,000.00				
					-				
	Concrete Works				-				
	Concrete footpath	m2	600.00	125.00	75,000.00	50	60%	\$	45,000.00
	Kerb & channel	m	300.00	300.00	90,000.00	80	38%	\$	33,750.00
	Drainage				-				
	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
	225mm RCRRJ lead pipe for CP - 2m long	m	50.00	475.00	23,750.00	80	38%	\$	8,906.25
					-				
	Lighting				-				
	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
					-				
	Traffic Signals				-				
	per road				-				
	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 Overhead and Profit)				1,412,080.00	T1			
T2	TOTAL ON-SITE OVERHEADS	%		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	T4			
T5	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads, Off-site Overheads and Profit)				1,863,945.60	T5=T3+T4			
PS	TOTAL PROVISIONAL SUMS (Clause 12.9)				-	PS			
					-				
					-				
					-				
					-				



					-
					-
					-
					-
					-
T6	TOTAL (excluding GST) - TO FORM OF TENDER/TENDER SUMMARY				1,863,945.60

T6=T5+PS+U

A	Net Project property Cost		
B	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		
B	Total Project Development:		335,510.21
C	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		
C	Total Pre-Implementation:		298,231.30
D	Implementation Phase		
D.1	Implementation Fees (MSQA);		
	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)		
	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 & Environmental		1,863,945.60
E	Base Estimate		2,702,721.12
F	P50	70%	1,891,904.78
	P50 TOTAL		4,594,625.90



Midblock – Low					
Contract No	AUCKLAND COUNCIL HOUSING				
Contract Name					
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	-	-
					-
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 (Exclusive of On-site Overheads and exclusive of Off-site Overhead and Profit)				1,977,625.00
T2	TOTAL ON-SITE OVERHEADS	%		20%	395,525.00
T3	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-site Overheads and Profit)				2,610,465.00
PS	TOTAL PROVISIONAL SUMS (Clause 12.9)				-
					-
					-
					-
					-
					-
					-
T6	TOTAL (excluding GST) - TO FORM OF TENDER/TENDER SUMMARY				2,610,465.00

Lifespan (years)	Proportion (30yrs/Lifespan)	Proportion Renewal \$	Proportion Renewal %
		\$ 408,000.00	11%
50	60%	\$ 108,000.00	
50	60%	\$ 300,000.00	

T1
T2
T3=T1+T2+1A
T4
T5=T3+T4
PS
T6=T5+PS+U



A	Net Project property Cost		
B	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		
B	Total Project Development:		469,883.70
C	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		
C	Total Pre-Implementation:		417,674.40
D	Implementation Phase		
D.1	Implementation Fees (MSQA);		
	Consultancy Fees	7%	182,732.55
	AT managed costs	3%	78,313.95
	Waka Kotahi managed costs		
	Kiwirail costs(BOL related, safety personnel, permits etc)		
	Consent monitoring fees	1%	26,104.65
	Implementation Phase Fees Escalation		
	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
E	Base Estimate		3,785,174.25
F	P50	70%	2,649,621.98
	P50 TOTAL		6,434,796.23



Midblock – Medium					
Contract No	AUCKLAND COUNCIL HOUSING				
Contract Name					
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	-	-
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 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
	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

Lifespan (years)	Proportion (30yrs/Lifespan)	Proportion Renewal \$	Proportion Renewal %
		\$ 1,374,425.00	17%
50	60%	\$ 105,300.00	
80	38%	\$ 16,875.00	
80	38%	\$ 14,062.50	
50	60%	\$ 424,687.50	
80	38%	\$ 112,500.00	
17	100%	\$ 140,000.00	
17	100%	\$ 35,000.00	
17	100%	\$ 70,000.00	
17	100%	\$ 385,000.00	
17	100%	\$ 20,000.00	
30.00	100%	\$ 51,000.00	
30	100%	\$ 408,000.00	



	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				
	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 (Exclusive of On-site Overheads and exclusive of Off-site Overhead and Profit)				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 Overheads and Profit)				5,472,951.00	T5=T3+T4			
PS	TOTAL PROVISIONAL SUMS (Clause 12.9)				-	PS			
					-				
					-				
					-				
					-				
					-				
					-				
					-				
					-				
T6	TOTAL (excluding GST) - TO FORM OF TENDER/TENDER SUMMARY				5,472,951.00	T6=T5+PS+U			

A	Net Project property Cost			
B	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			
B	Total Project Development:		985,131.18	
C	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			
C	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 inc. On-site Overheads, Off-site Overheads & Profit, TM & Environmental		5,472,951.00
E	Base Estimate		7,935,778.95
F	P50	70%	5,555,045.27
	P50 TOTAL		13,490,824.22

Contract No **AUCKLAND COUNCIL HOUSING**

Contract Name

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	-	-
					-
3	PHYSICAL WORKS				6,873,384.00
	Site Clearance & Demolition				
	Breakout and remove existing footpath/berm	m2	10,000.00	45.00	450,000.00
	Breakout and remove existing kerb & channel	m	2,000.00	45.00	90,000.00
	Breakout and remove existing catchpit	no	50.00	1,500.00	75,000.00
	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
	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
					-
	Pavement Works				-
	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
	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
	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
					-
	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



	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 (Exclusive of On-site Overheads and exclusive of Off-site Overhead and Profit)				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 Overheads and Profit)				9,072,866.88	T5=T3+T4			
PS	TOTAL PROVISIONAL SUMS (Clause 12.9)				-	PS			
					-				
					-				
					-				
					-				
					-				
					-				
					-				
					-				
T6	TOTAL (excluding GST) - TO FORM OF TENDER/TENDER SUMMARY				9,072,866.88	T6=T5+PS+U			

A	Net Project property Cost		
B	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		
B	Total Project Development:		1,633,116.04
C	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		
C	Total Pre-Implementation:		1,451,658.70



D	Implementation Phase		
D.1	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
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	AUCKLAND COUNCIL HOUSING
Contract Name	
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	-	-
3	PHYSICAL WORKS				99,930.00
	Site Clearance & Demolition				
	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
	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
	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				-
	New signage	no	10	400.00	4,000.00
	Road marking	LS	1	5,000.00	5,000.00
T1	TOTAL (Exclusive of On-site Overheads and exclusive of Off-site Overhead and Profit)				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-site Overheads and Profit)				131,907.60
PS	TOTAL PROVISIONAL SUMS (Clause 12.9)				-
					-
					-
					-
					-
					-
					-
					-
					-
T6	TOTAL (excluding GST) - TO FORM OF TENDER/TENDER SUMMARY				131,907.60

Lifespan (years)	Proportion (30yrs/Lifespan)	Proportion Renewal \$	Proportion Renewal %
		\$ 10,425.00	5%
80	38%	\$ 675.00	
80	38%	\$ 1,125.00	
80	38%	\$ 4,500.00	
80	38%	\$ 4,125.00	

T1
T2
T3=T1+T2+1A
T4
T5=T3+T4
PS
T6=T5+PS+U



A	Net Project property Cost		
B	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		
B	Total Project Development:		23,743.37
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
F	P50	70%	133,886.21
	P50 TOTAL		325,152.23



Local area traffic management - Speed

Contract No AUCKLAND COUNCIL HOUSING

Contract Name

Contractor

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
					-



T1	TOTAL (Exclusive of On-site Overheads and exclusive of Off-site Overhead and Profit)				5,349.50	T1
T2	TOTAL ON-SITE OVERHEADS	%		20%	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	%		10%	641.94	T4
T5	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads, Off-site Overheads 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

A Net Project property Cost
B 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		

B Total Project Development: 1,271.04



C	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		
C	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
D.2	Physical works inc. On-site Overheads, Off-site Overheads & Profit, TM & Environmental		7,061.34
E	Base Estimate		10,238.94
F	P50	70%	7,167.26
	P50 TOTAL		17,406.20



Local area traffic management - Chicane					
Contract No AUCKLAND COUNCIL HOUSING					
Contract Name					
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	-	-
3	PHYSICAL WORKS				6,635.00
	Site Clearance & Demolition				
	Breakout and remove existing kerb & channel	m	5	45.00	225.00
	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
					-
	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 Overhead and Profit)				6,635.00
T2	TOTAL ON-SITE OVERHEADS	%		20%	1,327.00
T3	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads)				7,962.00
T4	TOTAL OFF-SITE OVERHEAD & PROFIT	%		10%	796.20
T5	TOTAL SCHEDULED AMOUNT (Inclusive of On-site Overheads, Off-site Overheads and Profit)				8,758.20
PS	TOTAL PROVISIONAL SUMS (Clause 12.9)				-
					-
					-
					-

Lifespan (years)	Proportion (30yrs/Lifespan)	Proportion Renewal \$	Proportion Renewal %
		\$ 248.44	2%
80	38%	\$ 84.38	
80	38%	\$ 164.06	

T1

T2

T3=T1+T2+1A

T4

T5=T3+T4

PS



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

T6=T5+PS+U

A	Net Project property Cost		
B	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		
B	Total Project Development:		1,576.48
C	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		
C	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		
	Kiwirail costs(BOL related, safety personnel, permits etc)		
	Consent monitoring fees	1%	87.58
	Implementation Phase Fees Escalation		
	D.1 Subtotal Base Implementation Fees:		963.40
D.2	Physical works inc. On-site Overheads, Off-site Overheads & Profit, TM & Environmental		8,758.20
E	Base Estimate		12,699.39
F	P50	70%	8,889.57
	P50 TOTAL		21,588.96

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				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</i> On-site Overheads and exclusive of Off-site Overhead and Profit)				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 Overheads and Profit)				53,605.20
PS	TOTAL PROVISIONAL SUMS (Clause 12.9)				-
					-
					-
					-
					-
					-
					-
					-
T6	TOTAL (excluding GST) - TO FORM OF TENDER/TENDER SUMMARY				53,605.20

T2
T3=T1+T2+1A
T4
T5=T3+T4
PS
T6=T5+PS+U



A	Net Project property Cost		
B	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		
B	Total Project Development:		9,648.94
C	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		
C	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 & Environmental		53,605.20
E	Base Estimate		77,727.54
F	P50	70%	54,409.28
	P50 TOTAL		132,136.82



Footpath/Cycle path retrofit (Brownfield)

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 NoAUCKLAND COUNCIL HOUSING

Contract Name

Contractor

Tender Measure and Value Schedule of Prices					
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
					-
2	TOTAL ENVIRONMENTAL MANAGEMENT				6,990.00
2.1	Implementation of Environmental Management Plan.	LS	1	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
					-
	Roadmarking & signage				-
	Misc.	m	1,000.00	25.00	25,000.00
					-
T1	TOTAL (Exclusive of On-site Overheads and exclusive of Off-site Overhead and Profit)				566,190.00
T2	TOTAL ON-SITE OVERHEADS	%		20%	113,238.00
T3	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-site Overheads 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

Lifespan (years)	Proportion (30yrs/Lifespan)	Proportion Renewal \$	Proportion Renewal %	Final Renewal (non-alignment)
		\$ 81,000.00	7%	4%
50	60%	40,500.00		
50	60%	40,500.00		

T2

T3=T1+T2+1A

T4

T5=T3+T4

PS

T6=T5+PS+U



A	Net Project property Cost		
B	Project Development Phase		
	Consultancy Fees	12%	89,684.50
	AT managed costs	6%	44,842.25
	Waka Kotahi managed costs		
	Kiwirail managed costs		
	Project Development Phase Escalation		
B	Total Project Development:		134,526.74
C	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		
C	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	Physical works inc. On-site Overheads, Off-site Overheads & Profit, TM & Environmental		747,370.80
E	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

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	-	-					0.5
					-	Lifespan (years)	Proportion (30yrs)	Proportion Renewal \$	Proportion Renewal %	Final Renewal (non-alignment)
3	PHYSICAL WORKS				13,477,805.00			\$ 3,878,805.00	15%	8%
	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					
					-					
	Earthworks				-					
	Cut to waste	m3	8,900.00	125.00	1,112,500.00					
					-					
	Pavement Works				-					
	Subgrade Prep				-					
	Subgrade prep. 500mm behind kerb face	m2	18,000.00	6.00	108,000.00					
	Lime Stabilise 300mm depth subgrade	m2	17,000.00	30.00	510,000.00					
	Undercut unsuitable subgrade material - Provisional Item	m3	1,020.00	150.00	153,000.00					
	Geotextile	m2	18,000.00	5.00	90,000.00					
	Pavement									
	Mill existing surface	m2	17,000.00	20.00	340,000.00	17	100%	340,000.00		
	350mm GAP65	m3	5,950.00	175.00	1,041,250.00	17	100%	1,041,250.00		
	250mm M4 Basecourse	m3	4,250.00	200.00	850,000.00	17	100%	850,000.00		
	Grade 2/4 Chip Two Coat Seal	m2	17,000.00	10.00	170,000.00	17	100%	170,000.00		
	40mm DG10	m2	17,000.00	10.00	170,000.00	17	100%	170,000.00		
	Tie-in to existing - bandage seal	m	34.00	20.00	680.00	17	100%	680.00		
	Concrete Works				-					
	Concrete footpath	m2	11,000.00	125.00	1,375,000.00	50	60%	750000		
	Vehicle crossings	m2	875.00	175.00	153,125.00					
	Kerb & channel	m	2,000.00	300.00	600,000.00	80	38%	225,000.00		
	Mountable kerb between FP and Cycle path	m	2,000.00	125.00	250,000.00					

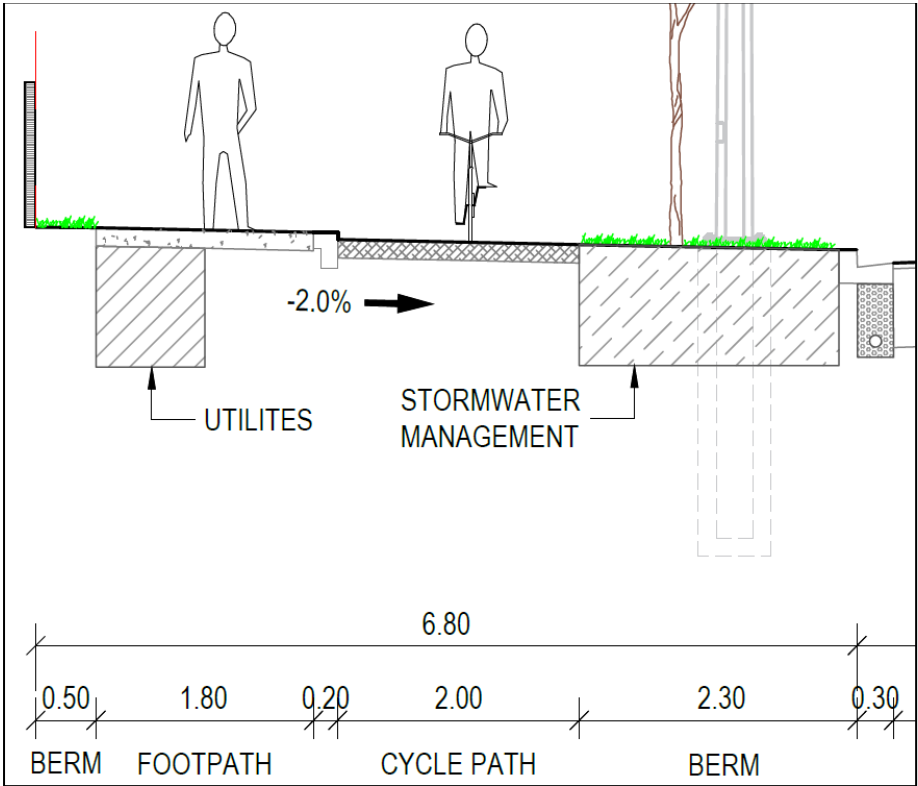


	Drainage				-					
	Supply and install new CP, x1 either side of each speed table	no	50.00	5,500.00	275,000.00	80	38%	103,125.00		
	225mm RCRRJ lead pipe for CP - 2m long	m	250.00	475.00	118,750.00					
					-					
	Lighting				-					
	Supply and install new light pole, including trenching, ducting, 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, 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				-					
	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					
					-					
T1	TOTAL (Exclusive of On-site Overheads and exclusive of Off-site Overhead and Profit)				13,477,805.00					
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-site Overheads and Profit)				17,790,702.60					
PS	TOTAL PROVISIONAL SUMS (Clause 12.9)				-					
					-					
					-					
					-					
					-					
					-					
					-					
					-					
					-					
T6	TOTAL (excluding GST) - TO FORM OF TENDER/TENDER SUMMARY				17,790,702.60					



A Net Project property Cost			
B 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		
B	Total Project Development:		3,202,326.47
C 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		
C	Total Pre-Implementation:		2,846,512.42
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 & Environmental		17,790,702.60
E	Base Estimate		25,796,518.77
F	P50	70%	18,057,563.14
	P50 TOTAL		43,854,081.91

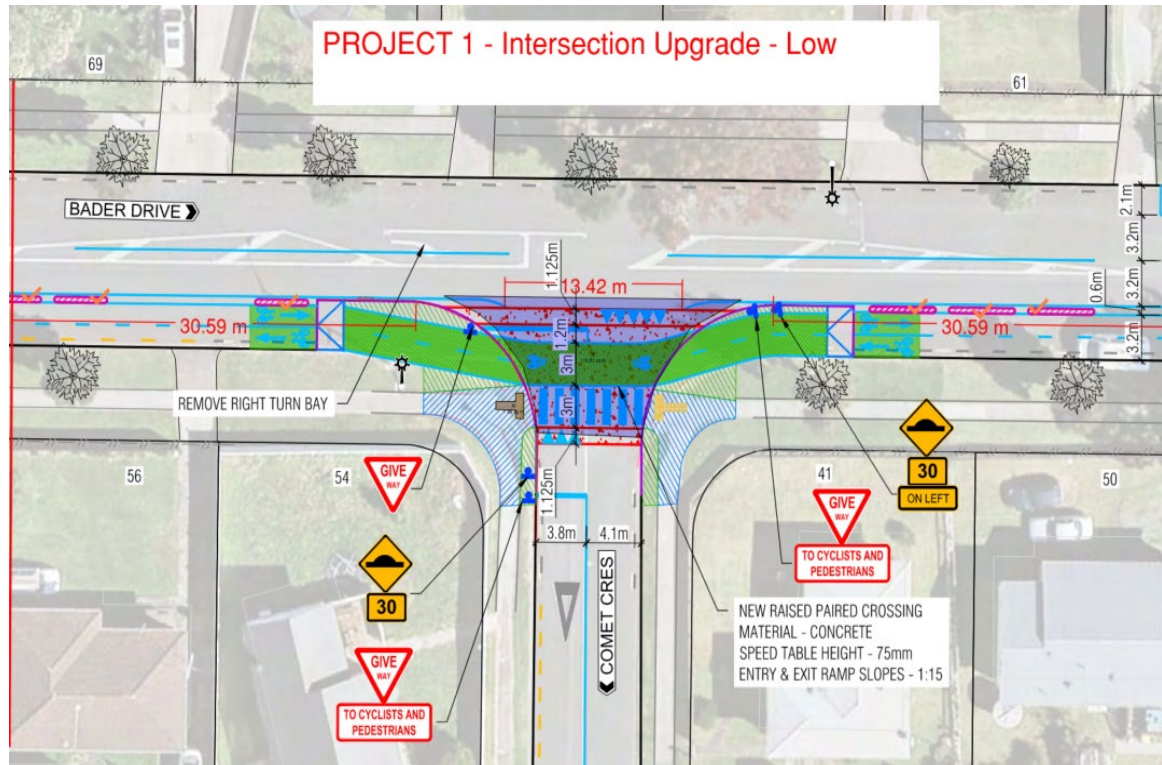
A further scenario has been identified where there may be a requirement to retrofit walking and cycling facilities to an existing urban berm area. The assumption here is that the existing kerb and channel can be remain in place, and all works occur within the existing berm. Minimal earthworks would be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



50%									
Report Reference	Design	P50		Unit	Contingency	Proportion 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%	9%
	Intersection upgrade – Medium - Signals	1,879,167.11	1,880,000	per unit	70%	\$ 189,580.75	17%	9%	
3	Intersection upgrade – Medium/High - Roundabout	1,892,816.81	1,893,000	per unit	70%	\$ 187,010.00	17%	8%	10%
	Intersection upgrade – Medium/High - Signals	2,423,161.80	2,424,000	per unit	70%	\$ 273,580.75	19%	10%	
4	Intersection upgrade - High - Roundabout	3,673,377.51	3,674,000	per unit	70%	\$ 628,118.75	29%	15%	13%
	Intersection upgrade - High - Traffic Signals	4,594,625.90	4,595,000	per unit	70%	\$ 602,776.88	22%	11%	
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%
8	Local area traffic management - Speed Table	325,152.23	326,000	per unit	70%	\$ 10,425.00	5%	3%	1%
	Speed threshold	167,765.93	168,000	per unit	70%	\$ -	0%	0%	
	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	Renewals consistent with footpath 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

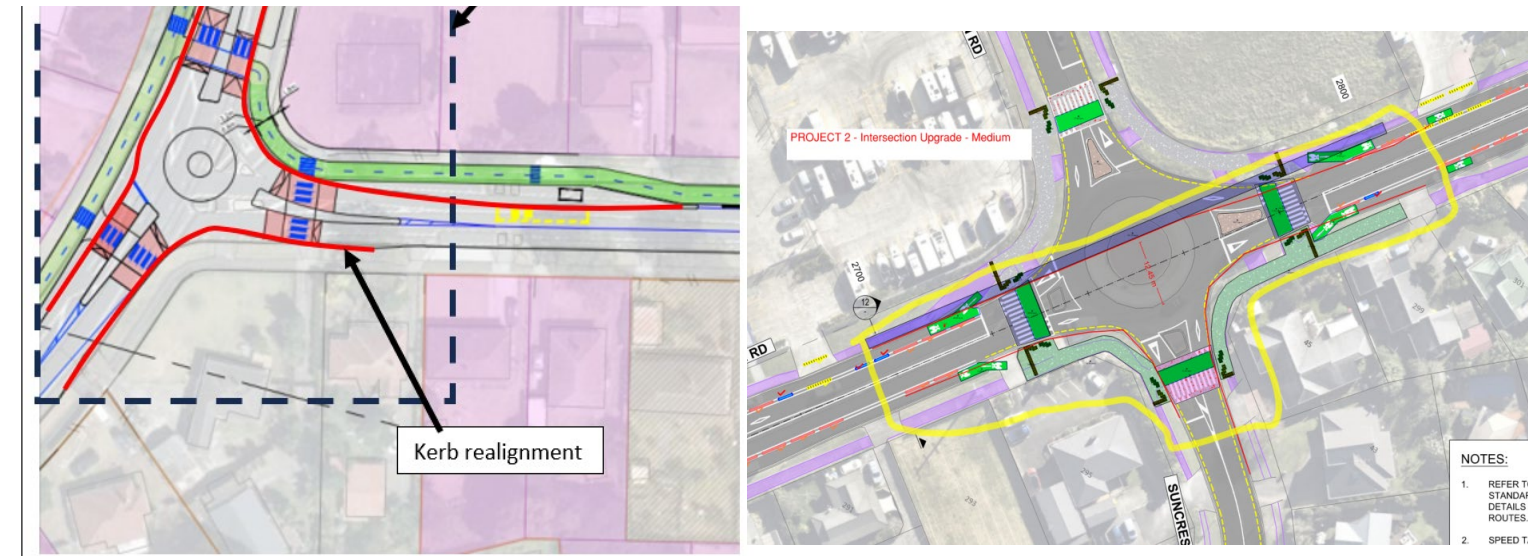
LS for general planting and landscaping

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

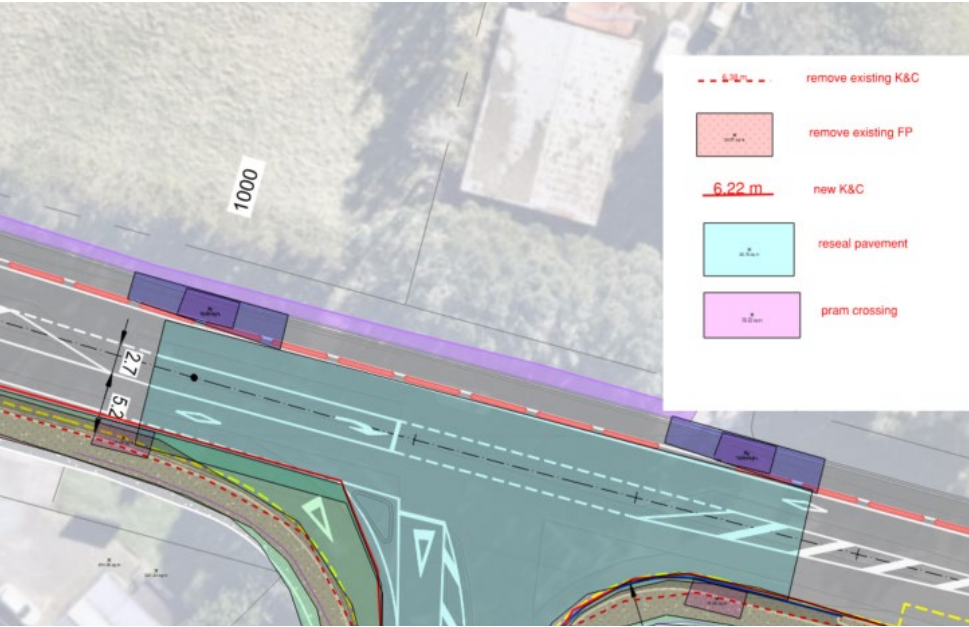
LS for new roadmarking installation and removal

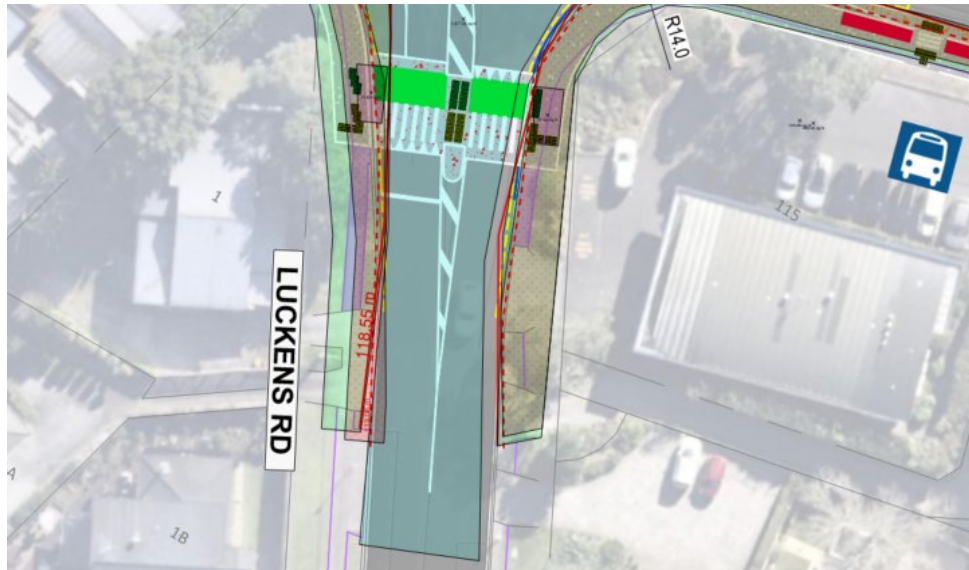
LS for general planting and landscaping

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

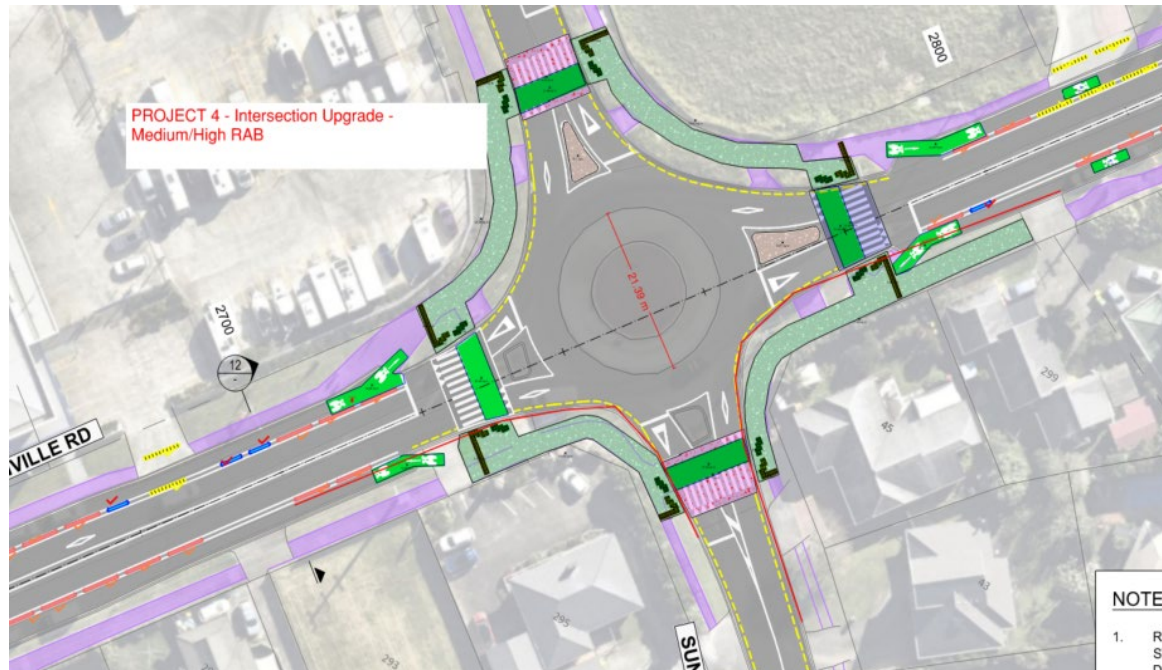
New K&C including subsoil drainage

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

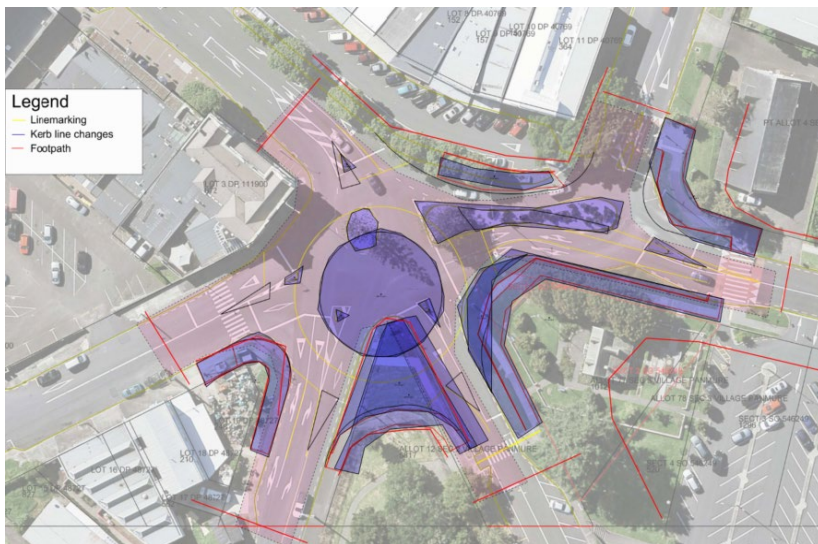
Ref3 - P2 - Intersection upgrade - Medium/High - Signals

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 asphalt

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

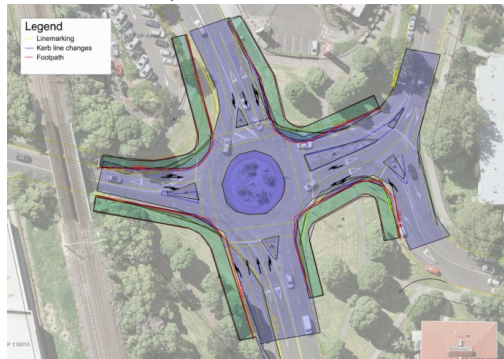
RAB - 300mm GAP65, mountable kerb, 200mm topsoil, 100mm garden mix & mulch

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 asphalt

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

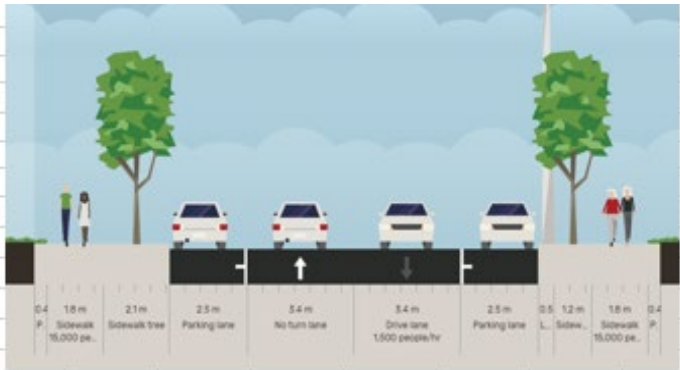
Ref5 - Midblock - Low

- 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

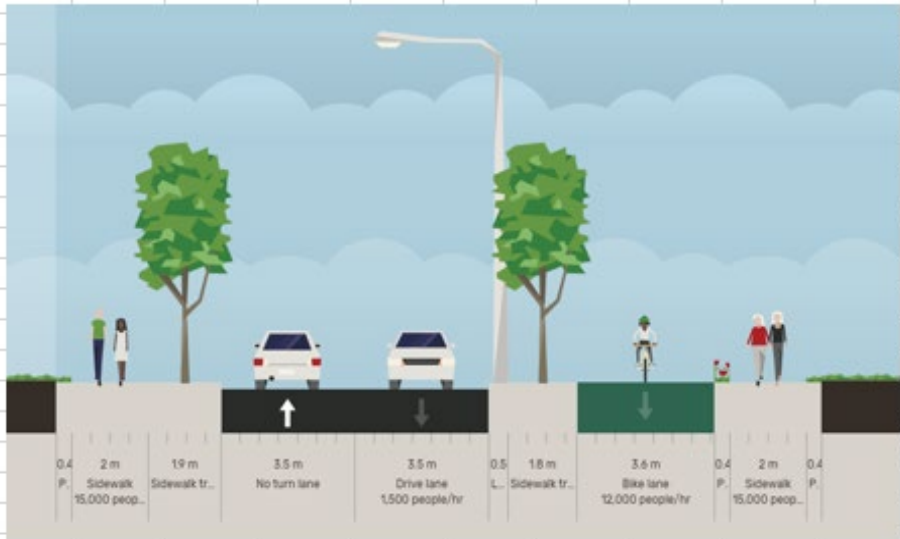
Ref6 - Midblock - Medium

- 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 pavement - now 7m wide milled 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 every 400m
- x1 new tree every 100m

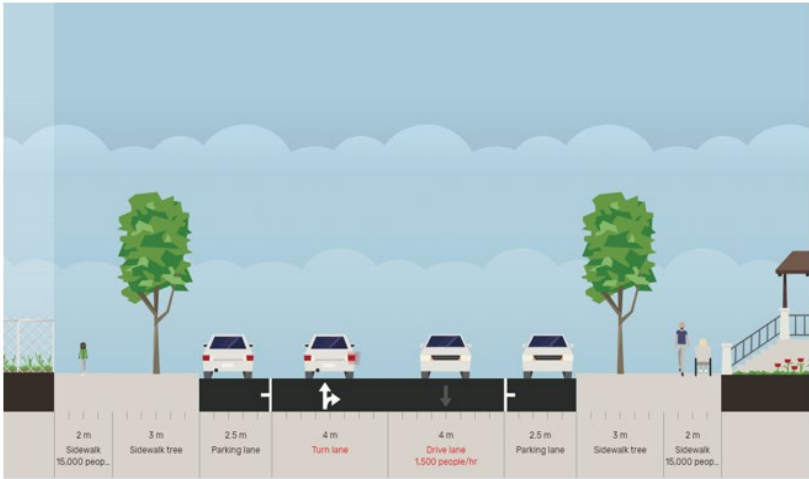




Proposed Design



Ref7 - Midblock - High



Provision of swedish style cycle facilities.





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 channel	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

Sensitivity: General

New speed table - 14m wide pavement

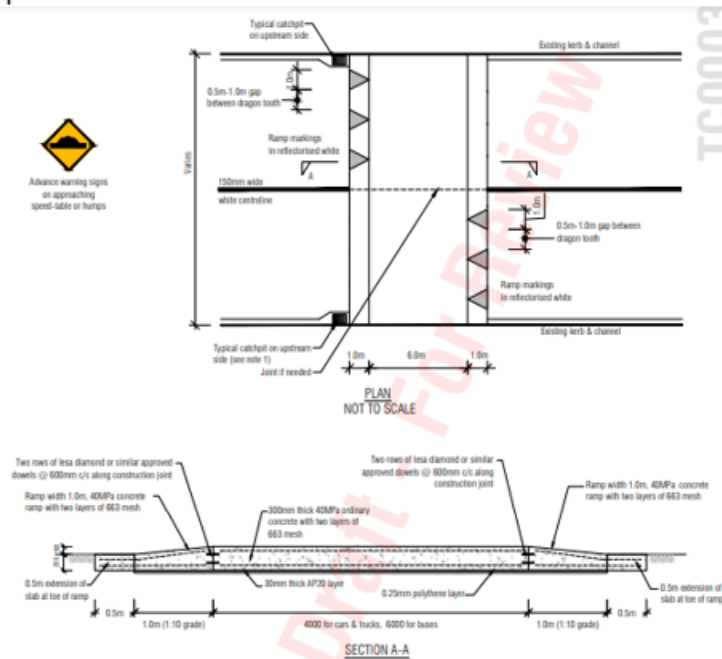
remove and replace K&C 20m with side of speed table - with new footpath

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

Replace x2 CPs with x5 lead per CP

new road marking & signage

Speed table.



Ref8 - P3 - Local Area Traffic Management - Chicane

New speed table - 8m wide pavement

No kerb removal or fp works

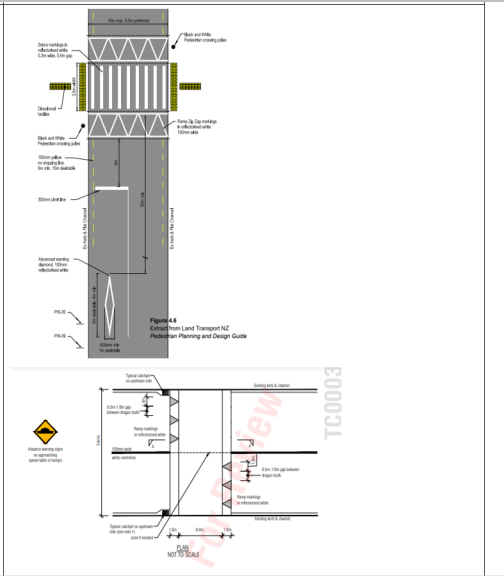
cut to waste - 230mm for speed table area

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

