

From: Natalie Savigny
To: [REDACTED]
Subject: Local Government Official Information and Meetings Act - GETS Tender Documents
Date: Tuesday, 9 June 2020 09:32:00 a.m.
Attachments: [8413 - Traffic Counting RFP.pdf](#)
[8413 - Traffic Counting - Pricing Schedule.xlsx](#)
[Appendix A - Copy of Contract Schedule.xlsx](#)
[Appendix B - Mio Vision manual.pdf](#)
[Attachment A_GILF Layout_190919.pdf](#)
[Attachment B_Concept Layout_190919.pdf](#)
[Project Brief_GILF Weighbridge, Traffic Layout & CCTV_190919.docx](#)
[Schedule_GILF Weighbridge Traffic Layout and CCTV_240919.pptx](#)
[8413 - Response Template.pdf](#)
[LTES SoW_WE_GILF Weighbridge Traffic Layout CCTV_Part A issued 8.10.19.pdf](#)

Hi [REDACTED]

I am writing in response to your Local Government Official Information and Meetings Act 1987 (LGOIMA) request for a copy of tender documents put onto GETS by DCC.

Attached are the documents that were uploaded on GETS.

Regards

Natalie Savigny

GOVERNANCE SUPPORT OFFICER

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Dunedin City Council

Request for Proposals



Traffic Counting

Contract 8413

RFP released: 19 March 2019
Deadline for Questions: 18 April 2019
Deadline for Proposals: 2 May 2019

Dunedin City Council
50 The Octagon
Dunedin, 9016

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THIS OPPORTUNITY IN A NUTSHELL

The Dunedin City Council's roading network covers 1,762 km of sealed and unsealed road. Accurate data is vital for the efficient management of Dunedin's roading network.

This contract brings together a number of existing traffic monitoring professional services. The Council seeks a company which can reliably provide high quality professional traffic monitoring services.

What we need

The DCC's current contract for traffic counting is nearing expiry and we therefore are approaching the open market to secure these important services for the next 5 years.

The DCC is aiming to partner with and appropriately skilled, experienced and qualified organisation to deliver our traffic counting requirements, which will include but may not be limited to:-

- Traffic counts.
- Cycle counts.
- Travel time surveys.
- The placement and removal of Intersection Cameras
- Moving Parking Sensors.

We also want:-

- To work in Partnership with the provider(s) of these services.
- Providers(s) who understand the importance of the services we provide to our ratepayers and reflect this in their approach and professionalism.
- Experienced provider(s) with a proven track record in providing these services.

What we don't want

We do not want theoretical Proposals, abstract or speculative approaches or responses from organisation that are only able to deliver part of our requirements.

We are happy to receive joint, or JV proposals to deliver the full range of our requirements under one contract.

We do not want:-

- Suppliers with no relevant recent experience.
- To compromise the quality of services delivered.
- To compromise the best value for the ratepayer.

What's important to us

The DCC is keen to receive proposals from respondents that can clearly demonstrate a successful track-record of delivery in similar projects.

Most important is the methodology and in their response, respondents must clearly demonstrate their ability to **work with the DCC's Transport group** to:-

- Gathering high quality relevant data
- Ensuring compliance with NZTA requirements
- Value for Money
- Collaborative relationships with suppliers of core services.
- Innovation and the desire to be the best in the field.
- Willingness to commit to the relationship for the long term with appropriate resources to do so.
- Sustainability will be one of our considerations and we are interested to hear about how this contract will assist DCC suppliers in providing opportunities and benefits for people.

Why should you bid?

This is an exciting opportunity to work with a major New Zealand local authority, on a core, long-term project that helps shape the future of our transport network planning and infrastructure of our city for years to come.

You will be partnering with a high-performing Transport team with a desire to strive for excellence.

A bit about us

Dunedin is a liveable city, with a strong network of accessible and connected communities.

The Dunedin City Council is the local authority for the wider Dunedin area, which covers 3,340 square kilometres from north of Waikouaiti to the Taieri River in the South and inland to Hyde.

Transport infrastructure maintenance and renewal plays a key role in making Dunedin a sustainable, resilient city and support a prosperous and diverse economy.

The DCC provides a range of facilities, including playgrounds, reserves, pools, libraries, an art gallery and a museum. In addition to these facilities, the DCC owns a number of investment and social housing properties.

In addition to the hospital re-build the DCC is embarking on its most ambitious programme of new capital projects which will transform Dunedin and contribute to the vision of Dunedin **being a "One of the world's great small cities"**

These projects include:

- Peninsula widening
- LED Upgrade
- Urban cycleways
- Central City upgrade
- Tertiary precinct upgrade
- City to waterfront connection
- Major centres upgrade
- Extensive storm water improvements and upgrades

SECTION 1: KEY INFORMATION



1.1 Context

- a) This Request for Proposal (RFP) is an invitation to suitably qualified suppliers to submit a Proposal for the Traffic Counting contract opportunity.
 - b) This RFP is a single-step procurement process.
 - c) Words and phrases that have a special meaning are shown by the use of capitals e.g. Respondent, which means '*a person, organisation, business or other entity that submits a Proposal in response to the RFP. The term Respondent includes its officers, employees, contractors, consultants, agents and representatives. The term Respondent differs from a supplier, which is any other business in the market place that does not submit a Proposal*'. Definitions are at the end of [Section 6](#).
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1.2 Our timeline

- a) Here is our timeline for this RFP.

Steps in RFP process:	Date:
Deadline for Questions from suppliers:	18 April 2019
Deadline for the Buyer to answer suppliers' questions:	19 April 2019
Deadline for Proposals:	4.00pm 2 May 2019
Evaluation Commences:	week starting 6 May 2019
Evaluation complete:	10 May 2019
Preferred supplier negotiation:	17 May 2019
Unsuccessful Respondents notified of award of Contract:	3 June 2019
Respondents' debriefs:	week starting 10 June 2019
Anticipated Contract start date:	1 July 2019

- b) All dates and times are dates and times in New Zealand.
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1.3 How to contact us

- a) All enquiries must be directed through GETS. We will manage all external communications through GETS.
 - b) Our Point of Contact
Name: Dave Wish
Title/role: Procurement Advisor
-



1.4 Developing and submitting your Proposal

- a) This is an open, competitive tender process. The RFP sets out the step-by-step process and conditions that apply.
 - b) Take time to read and understand the RFP. In particular:
 - i develop a strong understanding of our Requirements detailed in [Section 2](#).
 - ii in structuring your Proposal consider how it will be evaluated. [Section 3](#) describes our Evaluation Approach.
 - c) For helpful hints on tendering and access to a supplier resource centre go to: www.procurement.govt.nz/for-suppliers.
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- d) If anything is unclear or you have a question, ask us to explain. Please do so before the Deadline for Questions, via GETS.
 - e) In submitting your Proposal you must use the Response Form provided on GETS. This is a Microsoft Word document that you can download.
 - f) You must also complete and sign the [declaration](#) at the end of the Response Form.
 - g) You must use the pricing schedule template on GETS for your pricing information. You must not make any changes to the format of the pricing template beyond completing the pricing and any other information requested.
 - h) Check you have provided all information requested, and in the format and order asked for.
 - i) Having done the work don't be late – please submit your Proposal through GETS before the [Deadline](#) for Proposals!
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1.5 Address for submitting your Proposal

- a) Proposals must be submitted via GETS.
 - b) Proposals sent by post or fax, or hard copy delivered to our office, will not be accepted.
-



1.6 Our RFP Process, Terms and Conditions

- a) Offer Validity Period: In submitting a Proposal the Respondent agrees that their offer will remain open for acceptance by the Buyer for three (3) calendar months from the Deadline for Proposals.
 - b) The RFP is subject to the RFP Process, Terms and Conditions (shortened to RFP-Terms) described in [Section 6](#). For DCC purposes, we have made the following variation/s to the RFP-Terms:
 - 6.13 Buyer's Point of Contact – paragraph (e)
 - 6.16 Anti-collusion and bid rigging – paragraph (a, b, c)
 - 6.20 Joint Ventures or Consortia ("Joint Proposal") (a)
 - 6.21 Respondents to inform themselves (a)
 - 6.23 No binding legal relations (d, e)
 - 6.25 Attempts to influence RFP outcome (a)
 - 6.26 Buyer's additional rights (b: v, vii, xi, xii, xiv, xv)
 - 6.28 Disclaimer (b).
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1.7 Later changes to the RFP or RFP process

- a) If, after publishing the RFP, we need to change anything about the RFP, or RFP process, or want to provide suppliers with additional information we will let all suppliers know by placing a notice on GETS <https://www.gets.govt.nz>
 - b) If you downloaded the RFP from GETS you will automatically be sent notifications of any changes through GETS by email.
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SECTION 2: OUR REQUIREMENTS

2.1 Background and purpose

This procurement relates to the renewal and or replacement of the **DCC's current** contract for traffic counting, which expires shortly.

This is an open-market opportunity and the DCC is seeking proposals from interested **parties to fulfil the DCC's traffic** counting requirements for the next 5 to 7 years.

The DCC wants a partner with the skills, experience and qualifications to deliver the required services detailed below.

2.2 What we are buying and why

We need a partner that can clearly demonstrate their ability and capacity to deliver our scheduled counting requirements including;

- Traffic counts.
- Cycle counts.
- Travel time surveys.

We also need a partner that can provide 'as required' services including the following on a measure and value basis.

- The placement and removal of Intersection Cameras
- Moving Parking Sensors.

The DCC also has requirements for un-planned traffic counting surveys, which will be undertaken through this contract on a measure and value or costed basis.

2.3 What we require: Scope

This procurement includes.

- Traffic Counting
- Cycle Counting
- Travel Time Surveys
- The placement and removal of Intersection Cameras
- The placement and removal of parking sensors

2.4 What we require: Traffic Counts

There will be four types of traffic counts under this contract.

1. Screen line counts conducted in March each year for traffic monitoring, modelling and analysis purposes.
2. Core counts repeated annually to track changes in traffic volumes.
3. Rotational counts completed on a five-yearly cycle
4. Safety counts completed as requested by the Principal.

The programme for traffic counts is included in Appendix A. Screen line and Core counts must be undertaken in the month specified in Appendix A.

Counts should run for a minimum of seven days and should record, traffic volumes, vehicle weight classifications and vehicle speed. Count data should be provided in a format which can be easily updated into RAMM.

It is up to the Consultant to suggest the equipment necessary to supply the required count information. This equipment must be specified in the tender response.

Where pneumatic tubes are used in counting:

- **They should be installed in accordance with the supplier's guidelines.**
- Where roadside parking exists, tubes must be positioned to ensure no conflict with parked vehicles occurs.
- Tubes must be positioned at right angles to the directional flow of traffic.
- No permanent or semi-permanent markings may be placed to prohibit parking adjacent to a tube.

2.4.1 Equipment

All materials and equipment required to complete traffic counts must be supplied by the Consultant. Any damaged equipment will be replaced at the Consultant's expense.

2.4.2 Computer Software

The Consultant is required to provide all computer software, including training and licensing, to retrieve and process traffic data from approved traffic counters. Any specialist hardware required to run this software must also be provided. It is expected that one software programme will run all counter information.

The Consultant is responsible to ensure that a licence to run any software is provided to Principal and any Principal's **agents working on information collected under this contract**. A minimum of six user licenses for three organisations is required. Any licensing costs should be built into the counting rate.

The Consultant must keep up to date with any improvements in the software and upgrade if appropriate.

Please note; the contract programme for subsequent years of the contract will be advised by the DCC to and agreed with the successful respondent.

2.4.3 Faulty Counts

All counts should be checked before they are submitted to the principal.

Any counts deemed to be faulty either by the principal or the consultant must be **repeated at the Consultant's expense**.

Payment for traffic counts will only be made once complete, accurate data is received.

2.4.4 Recording Start/Time

For each seven day count the start date and time and finish date and time must be set to ensure that an overlap period of at least two hours is achieved.

This allows some float and ensures that a full seven day analysis is obtained.

A continuous count is required that involves the counter collecting information at the site without interruption for the entire seven day and overlap period. Electronic information may be downloaded during counts in separate files and combined electronically for the report.

2.4.5 Site Layout and identification

Traffic counts should be undertaken at the location advised by the Council.

Where the location supplied by the Council is not a practical location for a counter then the Consultant should place the counter as close as possible to the requested location.

The counter must be placed within the same Carriageway section as the requested location.

Where the location of a counter differs from the location requested by the Council then the Consultant must record the new location and advise the Council.

The site must be clear from intersections or areas where vehicles are turning, braking or accelerating.

Counters must be positioned in a manner that minimises inconvenience to the general public.

Where possible, the Consultant must avoid positioning counters outside residential properties that are very close to the road (this creates a noise nuisance). Counters may be secured by chain and padlock against power poles and other road fixtures.

If pneumatic tubes are used, the road surface cross section must be true and free of irregularities so that the tube bounce is minimised. Tubes must be attached to the **road surface in accordance with the manufacturer's instructions.**

Each site must be identified by the accepted code which identifies the Road Controlling agency, the RAMM road_id, and the count station Route Position (eg 071_000331_000125). The sites for counting are identified as road sections or blocks.

The Client will provide information relating to RAMM position start distances.

Some sites are on State Highways, but are also recorded in the DCC RAMM system.

Direction should be recorded as part of all counts.

Direction of traffic flow shall be shown in the compass direction. The RAMM increasing RP direction is to be recorded as north and the decreasing direction as South.

2.4.6 Speed

Each count must record the speed limit of the section of road upon which the counter is installed.

2.4.7 Multi Lane Sites

It is the responsibility of the Consultant to recommend the necessary equipment to accurately count each site.

Appendix A has been updated to include the estimated number of counters necessary where pneumatic tubes are used.

For all sites the Consultant should review the estimated number of counters and suggest whether more are required or less could be used.

Any variation from the number of counters set out in Appendix A must be approved by the Council.

2.4.8 Data

Traffic counts should be supplied to the Council monthly.

Counts for the preceding month should be delivered by the second Friday of each month.

Counts must be supplied before they can be included in an invoice.

Unless specifically requested count files should be sent in one batch, accompanied by a monthly report which outlines delivery against program.

The traffic count data for each site must be supplied to the Client by email in:

- A format that will allow it to be uploaded directly into RAMM
- An electronic form that will allow the following data as a minimum to be extracted:
 - Tabulated traffic volume in hourly intervals, each day with a full daily total.
 - Seven-day count includes average daily traffic values and total lane count for the week (Monday to Sunday inclusive).
 - Peak morning (7:00-9:00a m), mid-day (11:30 am-1:30 pm) and evening (4:00-6:00 pm) flows in 15 minute increments together with the identification of the peak hour within these intervals.

- Results table showing the number of vehicles within each speed group in **10km/hr incremental groups or "bins"** and the mean and 85th percentile speed result for each hour and each day. This table must also show the total volume for each hour and each day and a 0-24 hour summary 85th percentile speed result.
- Daily result table of vehicle classification showing the number of vehicles in each classification group by hourly intervals. This table must also show the total volume for each hour and each day.
- All counts are to be directional.

The Classification system must employ the AUSTROADS 94 Vehicle Classification System but shall have the facility to also count using the NZTA Vehicle Classification System if required by the Client.

All data collected and supplied becomes the property of Client.

No data may be supplied to a third party unless authorised by the Client.

2.4.9 Reliability

Each time a counter is installed and each time it is checked, its operation must be monitored for a period of sufficient duration to ensure that it is reliably counting each axle that passes over it.

The Consultant must undertake sufficient other checks of counters as required by the **Consultant's** Quality Plan to ensure reliability of information collected

2.5 What we require: Cycle Counts

These surveys involve counting the number of cyclists passing specified locations.

A cycle is a pedal powered vehicle. It may be assisted by electric or motor (Moped).

A child riding on the footpath should be included. A scooter is not included.

Nine key cycle routes are to be surveyed. The surveys must be conducted during the morning peak (7am – 9am) and on the Tuesday, Wednesday and Thursday of the second week of March.

It is important that there are no public/student holidays or extreme weather conditions on the days of the surveys. In the event of one of these events the engineer may direct that the survey be carried out on the same day in the following week.

Separate counts must be provided for both directions.

Cycle count data is required from the following sites:

Site	Location
Princes Street (Andy Bay Rd):	Between Anderson Bay Rd & Maitland St
Ravensbourne Road Cycle Path	Between Magnet St and Ravensbourne (measure from the Ravensbourne Yacht Club carpark)
Portsmouth Drive	Between Strathallan St and Orari St (counting cyclists on shared path, on road, and on footpath on other side).
Stuart St	Between Strathmore St and Littlebourne Rd
South Road (Glen Road)	At Pedestrian crossing between Glen Rd and Leckhampton Ct.
North Road (North East Valley)	At Pedestrian crossing between Selwyn St and Pentland St.
Factory Road (Reid Ave):	Between Dryden St & Church St. Note: Also count cyclists travelling east who turn into Church St
Great King Street:	Between Albany St & Union St West
Cumberland Street:	Between Albany St & Union St West

Cycle counts are currently required for reporting purposes to NZTA.

The Council welcomes suggestions on more efficient ways to undertake these surveys.

The council also reserves the right to remove this portion of the contract and end the cycle counts at any point.

2.6 What we require: Travel time surveys

Non routine data collection entails surveys that are carried out by other methods

The surveys included in this contract are as follows:

i. Travel Time Surveys

These surveys involve recording the time it takes to travel a particular route from start to end and may required split times to be recorded at various locations, usually intersections, along the route.

Five key urban routes are to be surveyed.

The surveys must be conducted during the morning peak (7am – 9am) and on a neutral weekday (Tues, Wed, Thur) in March (students in town) in order that the data reflects the efficiency of operation during the typical busiest period.

Two drivers are required each day. Each route must be driven at least 3 times in each direction, however drivers should continue driving the route for the full two hours.

The council will provide GPS recording equipment and data analysis. The Consultant is only required to provide vehicles and drivers.

The routes to be included are:

Origin	Destination	Start Point	Route to follow
St Clair	Octagon	Forbury Rd at The Esplanade	Forbury – Hillside – King Edward – Princes – Octagon
Normanby	Octagon	North Rd at Norwood St	North – Bank – George – Octagon
Mosgiel	Octagon	Gordon Rd at Factory Rd	Gordon – Quarry – SH1 – Crawford – Cumberland – Stuart - Octagon
Brockville	Octagon	Brockville Rd at Dalziel Rd	Brockville – Kaikorai Valley – Stuart – Octagon
Waverley	Octagon	Highcliff Rd at McKerrow St	McKerrow – Larnach – Marne – Portobello – Portsmouth – Wharf – Overbridge – Crawford – Cumberland – Stuart - Octagon

The Council is actively investigating more efficient ways of gathering travel time data.

The Council reserves the right to remove this portion of the contract and end the travel time surveys at any point.

2.7 What we require: Intersection Cameras

The Council currently owns 4 MioVision Scout Cameras.

The Consultant will be required to accurately place these cameras to record traffic flows as directed by the council.

The Council expects to maintain ownership of intersection cameras.

During the course of the contract the number or type of cameras in use may vary.

The frequency of counts may also change.

To accommodate this the council proposes a fixed rate for installing and removing MioVision Cameras and a time and measure rate for the install, removal and data processing on other kinds of cameras.

The rate for MioVision should include the install and removal of the cameras as well as charging the camera batteries and transferring data to the Council.

The Council will provide an indicative monthly programme each month estimating the number of counts required and a detailed programme each week.

Camera's should not be placed during school holidays or on days with poor weather.

Cameras must be installed to manufacturers standards. Any variance from these standards must be agreed in writing with the Council. The standards for the install of the current Mio Vision Cameras can be found in Appendix B

Where cameras are incorrectly installed this must be rectified at the Consultant's cost. This includes repeating a count where the original camera angle does not capture the area specified by the Council.

Videos should be delivered to the Council via an external harddrive on a weekly basis.

The time and measure rate will include an field rate for any camera install, removal and maintenance and an office rate for any data processing.

2.8 What we require: Parking Sensors

The Council is currently trialling FrogParking Sensors. At the time of tender the Council has 240 sensors and 8 gateways which we expect to move 3-4 times a year.

Over the course of this contract the number of sensors may increase or decrease and the type may change. The Council may also choose to remove the parking sensors all together.

To accommodate this the council proposes paying for Parking Sensor install on a time and measure basis.

The timing of any sensor moves or installs will be negotiated with the Consultant. The Consultant must have the flexibility to arrange sensor moves within a reasonable window. Sensors must be installed to manufacturers instructions.

2.9 What we require: capacity

We are seeking suppliers that are able to clearly demonstrate their capacity to deliver the required volumes of planned traffic counts, as well as the un-planned requirements.

2.10 What we require: capability

We are seeking suppliers that are able to demonstrate their experience and capability on providing these services.

Respondents must be able to reference the delivery of similar contracts previously and must fully understand the requirements of the DCC and NZTA.

Respondents have experience of and confirm their ability to carry out all traffic **management required in accordance with NZTA's "Code of Practice for Temporary Traffic Management", including Local Roads Supplement.**

The successful respondent will be required to submit to the DCC a traffic management plan for approval prior to commencement of any work.

Traffic count methodologies must be appropriate to and approved by the DCC and the NZTA.

Respondents must be able to use RAMM data for road ID and route position.

The Classification system must employ the AUSTROADS and/or the NZTA Vehicle Classification System as required by the DCC.

The Consultant must carry out all traffic management required in accordance with **TNZ's "Code of Practice for Temporary Traffic Management", including Local Roads Supplement.**

The Consultant must submit to the Client a traffic management plan for approval prior to commencement of any work.

2.11 Contract Quality Plan

Before any work begins on the network the Contractor is required to submit a Contract Quality Plan outlining their Health and Safety procedures and their procedures to ensure the accuracy of information delivered.

The contractor is also responsible for submitting and complying with an Approved Traffic Management Plan.

2.12 Contract term

We anticipate that the Contract will commence 1 July 2019.

The anticipated Contract term and options to extend are:

Description	Years
Initial term of the Contract	5 Years
Options to extend the Contract	One option to extend of 2-years (i.e. 5+2)
Maximum term of the Contract	7 years

2.13 Key outcomes

The following are the key outcomes that are to be delivered.

Description	Indicative date for delivery
Traffic Counts	Monthly by the second Friday
Cycle Counts	By 31 March Each Year
Travel Time Surveys	Results to Consultant by 31 March Each Year
Intersection Cameras	Results delivered weekly in accordance with the Monthly Programme.
Parking Sensor Movement	As Agreed with the Council

2.14 Other information

- a) We estimate the quantity of planned traffic counts to be as per the indicative programme in Appendix A.
- b) Un-planned traffic counts are estimated at 30 per annum.
- c) Installing, removing and/or relocating Intersection Cameras estimated at 25 per month.
- d) Installing, removing and/or relocating Parking Sensors is estimated at 3 to 4 times a year.
- e) Payment of approved invoices will be monthly, **as per the DCC's standard** conditions. (i.e. payment on or by the 20th working day of the month following the month of invoice).
- f) New Intellectual Property arising as a result of the Contract will be the property of the DCC.

2.15 Other tender documents

In addition to this RFP we refer to the following documents.

These have been uploaded on GETS and are available for all interested suppliers. These documents form part of this RFP.

- a) Traffic Counting Programme 2019-2023.
- b) Pricing Schedule
- c) Draft GMC Contract for Services 2nd Edition – Schedule 1 and 2
- d) MioVision Install Guide

SECTION 3: OUR EVALUATION APPROACH

3.1 Evaluation model

The evaluation model that will be used is the Price Quality Method (PQM) with weighted attributes.

Price is a weighted criterion.

This means that all Proposals that are capable of full delivery on time will be shortlisted.

The Proposal that scores the highest on the non-price criteria will receive the highest Supplier Quality Premium (SQP – This is the amount that the DCC is prepared to consider paying for additional quality and overall value for money).

The SQP for each respondent is deducted from their submitted price. The lowest adjusted price will likely be selected as the Successful Respondent.

A 'two envelope' or 'two-file' system will be used for the evaluation. This means that Respondents must provide all financial information relating to price, expenses and costs in a separate sealed and clearly identified soft copy folder.

3.2 Evaluation criteria

Proposals which meet all pre-conditions will be evaluated on their merits according to the following evaluation criteria and weightings.

Criterion	Weighting
1 Relevant Experience	20%
<p>Note: In scoring this section, the evaluators will place high value on:</p> <ul style="list-style-type: none"> ■ Evidence of delivering traffic counting contracts for the DCC or similar local authority client. <p>Minimum Standard: To be considered further, tenderers must:</p> <ul style="list-style-type: none"> ■ Provide the details and contact information for three (3) projects directly relevant to this contract. <p>Referees must affirm the experience described in the written response and indicate their satisfaction with the tenderer's performance in respect to the areas above</p>	
2 Relevant Skills	10%
<p>Note: In scoring this section, the evaluators will place high value on:</p> <ul style="list-style-type: none"> ■ Key nominated personnel and/or project lead with substantial successful experience on relevant contracts with the DCC or similar local authority client. ■ Proposed team management and communications system that maximizes effectiveness and productivity and is designed to meet tight timeframes for project delivery <p>Minimum Standard: To be considered further, tenderers must:</p> <ul style="list-style-type: none"> ■ Nominate the key personnel they will utilise on this contract and provide details of their relevant experience (executive CVs to be provided). ■ Provide details of an effective communication system 	

Criterion	Weighting
3 Methodology	30%
<p>Note: In scoring this section, the evaluators will place high value on:</p> <ul style="list-style-type: none"> ■ A comprehensive programme and deployment plan that guarantees delivery on time. ■ Areas of innovation that clearly demonstrate improved efficiency to the contract. <p>Minimum Standard: To be considered further, tenderers must:</p> <ul style="list-style-type: none"> ■ Outline their proposed procedures to achieve the required end-results, and provide evidence of the expected accuracy of the traffic data collection devices with respect to speed, traffic volume and vehicle classification. <p>This should include (but is not limited to);</p> <ol style="list-style-type: none"> a) Data collection equipment – outline how it collects b) Software – example of output reports generated and describe the benefits of the proposed system. c) Method statement for Intersection Turning/Movement Volume Surveys d) Method for ensuring accuracy of data for multi lane roads e) Quality Assurance Procedures <ul style="list-style-type: none"> ■ Demonstrate how their proposed level of service deployment and commitment will ensure they the DCC's intended programme for the contract. 	
4 Sustainability	10%
<p>Note: In scoring this section, the evaluators will place high value on:</p> <ul style="list-style-type: none"> ■ Respondents that currently hold (or have pending certification) formal environmental management systems such as Enviromark/ISO 14001. <p>Please provide relevant proof and supporting documentation.</p> <ul style="list-style-type: none"> ■ Respondents that can demonstrate community benefits in terms of personal wellbeing, social cohesion, social capital and social inclusion, particularly within Dunedin or the wider Otago region. <p>Minimum Standard: To be considered further, tenderers must:</p> <ul style="list-style-type: none"> ■ Define their environmental, waste reduction and/or energy management strategy. ■ Describe how they will benefit the local economy and/or employment through this contract. ■ Demonstrate how they will provide community and/or social benefit through this contract. 	
5 Price	30%
Total weightings	100%

3.3 Scoring

The following scoring scale will be used in evaluating Proposals.

Scores by individual panel members may be modified through a moderation process across the whole evaluation panel.

Score	Definition
90, 95 or 100	EXCEPTIONAL Significantly exceeds the criterion. Proposal identifies added value, with supporting evidence.
75, 80 or 85	MINOR BENEFITS Exceeds the criterion in some respects and requirements are fully covered in all respects; with supporting evidence.
60, 65 or 70	ACCEPTABLE Meets the criterion in full; requirements are adequately covered; with supporting evidence.
45, 50 or 55	MINOR RESERVATIONS – Adequate Adequately Satisfies the criterion with minor reservations, deficiencies or no supporting evidence.
30, 35 or 40	MAJOR RESERVATIONS – Barely Adequate Significant issues that need to be addressed or little or no supporting evidence.
15, 20 or 25	SERIOUS RESERVATIONS – Not Adequate Does not meet the criterion but suggests potential ability to improve/deliver. Does not comply and/or insufficient information provided to meet the criterion.
0, 5 or 10	UNACCEPTABLE – Total Non-Compliance Does not meet the criterion. Does not comply and/or insufficient information provided to meet the criterion.

Note that this scoring scale will be supplemented by fact-based definitions FOR EACH ATTRIBUTE which correspond to the criteria described in Section 3.3 above.

3.4 Price

We wish to obtain the best value-for-money over the whole-of-life of the Contract. This means achieving the right combination of fit for purpose, quality, on time delivery, quantity and price.

If a Respondent offers a price that is substantially lower than other Proposals (an abnormally low bid), the Buyer may seek to verify with the Respondent that the Respondent is capable of fully delivering all the Requirements and meeting all of the conditions of the Proposed Contract for the price quoted.

3.5 Evaluation process and due diligence

In addition to the above, we will undertake the following process and due diligence in relation to shortlisted Respondents. The findings will be considered in the evaluation process.

- Reference check the Respondent organisation and named personnel

We may also undertake the following process and due diligence in relation to shortlisted Respondents. If so, those findings will also be considered in the evaluation process.

- a) Interview Respondents or conduct interactive respondent meetings.
- b) Request Respondents make a presentation

SECTION 4: PRICING INFORMATION

4.1 Pricing information to be provided by respondents

Respondents must provide all financial information relating to price, expenses and costs in a separate clearly identified soft copy folder.

In submitting the Price the Respondent must meet the following:

- a) Respondents are to use the pricing schedule template provided.
- b) The pricing schedule is to show a breakdown of all costs, fees, expenses and charges associated with the full delivery of the Requirements over the whole-of-life of the Contract. It must also clearly state the total Contract price exclusive of GST.
- c) Where the price, or part of the price, is based on fee rates, all rates are to be specified, either hourly or daily or both as required.
- d) In preparing their Proposal, Respondents are to consider all risks, contingencies and other circumstances relating to the delivery of the Requirements and include adequate provision in the Proposal and pricing information to manage such risks and contingencies.
- e) Respondents are to document in their Proposal all assumptions, tags, clarifications and qualifications made about the delivery of the Requirements that will impact on whole-of-life costs of the products or services, within the financial pricing information. Any assumption that the Buyer or a third party will incur any cost related to the delivery of the Requirements is to be stated, and any impacts on the cost should be estimated if possible.
- f) Prices should be tendered in NZ\$.
- g) Where a Respondent has an alternative method of pricing (i.e. a pricing approach that is different to the pricing schedule) this can be submitted as an alternative pricing model. However, the Respondent must also submit a pricing schedule that conforms.
- h) Where two or more Respondents intend to lodge a joint or consortium Proposal the pricing schedule is to include all costs, fees, expenses and charges chargeable by all Respondents.

SECTION 5: OUR PROPOSED CONTRACT

5.1 Proposed Contract

The following is the Proposed Contract that we intend to use for the purchase and delivery of the Requirements.

GMC Contract for Services 2nd Edition (Draft attached)

In submitting your Proposal, you must let us know if you wish to question and/or negotiate any of the terms or conditions in the Proposed Contract, or wish to negotiate new terms and/or conditions.

The Response Form contains a section for you to state your position.

If you do not state your position you will be deemed to have accepted the terms and conditions in the Proposed Contract in full.

SECTION 6: RFP PROCESS, TERMS AND CONDITIONS

2.16 Note to suppliers and Respondents

- In managing this procurement, the Buyer will endeavour to act fairly and reasonably in all of its dealings with interested suppliers and Respondents, and to follow due process which is open and transparent.
- This section contains the government's standard RFP Process, Terms and Conditions (shortened to RFP-Terms) which apply to this procurement. Any variation to the RFP-Terms are be recorded in Section 1, [paragraph 1.6](#). Check to see if any changes have been made for this RFP.
- Words and phrases that have a special meaning, are shown using capitals e.g. Respondent, which means '*a person, organisation, business or other entity that submits a Proposal in response to the RFP. The term Respondent includes its officers, employees, contractors, consultants, agents and representatives. The term Respondent differs from a supplier, which is any other business in the market place that does not submit a Proposal.*' [Definitions](#) are at the end of this section.
- If you have any questions about the RFP-Terms please contact our [Point of Contact through GETS](#).

2.17 Standard RFP process



Preparing and submitting a proposal

6.1 Preparing a Proposal

- Respondents are to use the Response Form provided and include all information requested by the Buyer in relation to the RFP.
- By submitting a Proposal, the Respondent accepts that it is bound by the RFP Process, Terms and Conditions (RFP-Terms) contained in Section 6 (as varied by Section 1, paragraph 1.6, if applicable).
- Each Respondent will:
 - examine the RFP and any documents referenced in the RFP and any other information provided by the Buyer
 - consider all risks, contingencies and other circumstances relating to the delivery of the Requirements and include adequate provision in its Proposal to manage such risks and contingencies
 - document in its Proposal all assumptions and qualifications made about the delivery of the Requirements, including any assumption that the Buyer or a third party will deliver any aspect of the Requirements or incur any cost related to the delivery of the Requirements
 - ensure that pricing information is quoted in NZ\$ exclusive of GST
 - if appropriate, obtain independent advice before submitting a Proposal
 - satisfy itself as to the correctness and sufficiency of its Proposal, including the proposed pricing and the sustainability of the pricing.
- There is no expectation or obligation for Respondents to submit Proposals in response to the RFP solely to remain on any prequalified or registered supplier list. Any Respondent on such a list will not be penalised for failure to submit a Proposal.

6.2 Offer Validity Period

Proposals are to remain valid and open for acceptance by the Buyer for the Offer Validity Period.



6.3 Respondents' Deadline for Questions

- Each Respondent should satisfy itself as to the interpretation of the RFP. If there is any perceived ambiguity or uncertainty in the RFP document/s Respondents should seek clarification before the Deadline for Questions.
- All requests for clarification must be made to the Buyer's Point of Contact, via GETS. The Buyer will endeavour to respond to requests in a timely manner, but not later than the deadline for the Buyer to answer Respondents' questions in Section 1, paragraph 1.2.a, if applicable.

- c) If the Buyer considers a request to be of sufficient importance to all Respondents it may provide details of the question and answer to other Respondents. In doing so the Buyer may summarise the Respondent's question and will not disclose the Respondent's identity. The question and answer may be posted on GETS and/or emailed to participating Respondents. A Respondent may withdraw a request at any time.
- d) In submitting a request for clarification, a Respondent is to indicate, in its request, any information that is commercially sensitive. The Buyer will not publish such commercially sensitive information. However, the Buyer may modify a request to eliminate such commercially sensitive information, and publish this and the answer where the Buyer considers it of general significance to all Respondents. In this case, however, the Respondent will be given an opportunity to withdraw the request or remove the commercially sensitive information.



6.4 Submitting a Proposal

- a) Each Respondent is responsible for ensuring that its Proposal is received by the Buyer at the correct address on or before the Deadline for Proposals. The Buyer will acknowledge receipt of each Proposal.
- b) The Buyer intends to rely on the Respondent's Proposal and all information provided by the Respondent (e.g. correspondence and negotiations). In submitting a Proposal and communicating with the Buyer each Respondent should check that all information it provides to the Buyer is:
 - c) true, accurate and complete, and not misleading in any material respect
 - d) does not contain Intellectual Property that will breach a third party's rights.
- e) Where the Buyer requires the Proposal to be delivered in hard and soft copies, the Respondent is responsible for ensuring that both the hard and soft copies are identical.
- f) Where the Buyer stipulates a two envelope RFP process the following applies:
 - i each Respondent must ensure that all financial information and pricing components of its Proposal are provided separately from the remainder of its Proposal
 - ii financial information and pricing must be contained in a separate soft copy file the pricing information must be clearly marked 'Financial and Pricing Information.' This is to ensure that the pricing information cannot be viewed when the package containing the other elements of the Proposal is opened.



Assessing Proposals

6.5 Evaluation panel

- a) The Buyer will convene an evaluation panel comprising members chosen for their relevant expertise and experience. In addition, the Buyer may invite independent advisors to evaluate any Proposal, or any aspect of any Proposal.

6.6 Third party information

- a) Each Respondent authorises the Buyer to collect additional information, except commercially sensitive pricing information, from any relevant third party (such as a referee or a previous or existing client) and to use that information as part of its evaluation of the Respondent's Proposal.
- b) Each Respondent is to ensure that all referees listed in support of its Proposal agree to provide a reference.
- c) To facilitate discussions between the Buyer and third parties each Respondent waives any confidentiality obligations that would otherwise apply to information held by a third party, with the exception of commercially sensitive pricing information.



6.7 Buyer's clarification

- a) The Buyer may, at any time, request from any Respondent clarification of its Proposal as well as additional information about any aspect of its Proposal. The Buyer is not required to request the same clarification or information from each Respondent.
- b) The Respondent must provide the clarification or additional information in the format requested. Respondents will endeavour to respond to requests in a timely manner. The Buyer may take such clarification or additional information into account in evaluating the Proposal.
- c) Where a Respondent fails to respond adequately or within a reasonable time to a request for clarification or additional information, the Buyer may cease evaluating the Respondent's Proposal and may eliminate the Proposal from the RFP process.



6.8 Evaluation and shortlisting

- a) The Buyer will base its initial evaluation on the Proposals submitted in response to the RFP. The Buyer may adjust its evaluation of a Proposal following consideration of any clarification or additional information as described in paragraphs 6.6 and 6.7.
- b) In deciding which Respondent/s to shortlist the Buyer will consider the results of the evaluations of each Proposal and the following additional information:
 - i each Respondent's understanding of the Requirements, capability to fully deliver the Requirements and willingness to meet the terms and conditions of the Proposed Contract
 - ii except where the price is the only criterion, the best value-for-money over the whole-of-life of the goods or services.
 - iii In deciding which Respondent/s, to shortlist the Buyer may consider any of the following additional information:
 - iv the results from reference checks, site visits, product testing and any other due diligence
 - v the ease of contracting with a Respondent based on that Respondent's feedback on the Proposed Contract (where these do not form part of the weighted criteria)
 - vi any matter that materially impacts on the Buyer's trust and confidence in the Respondent
 - vii any other relevant information that the Buyer may have in its possession.
- c) The Buyer will advise Respondents if they have been shortlisted or not. Being shortlisted does not constitute acceptance by the Buyer of the Respondent's Proposal, or imply or create any obligation on the Buyer to enter into negotiations with, or award a Contract for delivery of the Requirements to any shortlisted Respondent/s. At this stage in the RFP process the Buyer will not make public the names of the shortlisted Respondents.



6.9 Negotiations

- a) The Buyer may invite a Respondent to enter into negotiations with a view to contract. Where the outcome is unsatisfactory the Buyer may discontinue negotiations with a Respondent and may then initiate negotiations with another Respondent.
- b) The Buyer may initiate concurrent negotiations with more than one Respondent. In concurrent negotiations the Buyer will treat each Respondent fairly, and:
 - i prepare a negotiation plan for each negotiation
 - ii advise each Respondent, that it wishes to negotiate with, that concurrent negotiations will be carried out
 - iii hold separate negotiation meetings with each Respondent.
- c) Each Respondent agrees that any legally binding contract entered into between the Successful Respondent and the Buyer will be essentially in the form set out in Section 5, the Proposed Contract.



6.10 Respondent's debrief

- a) At any time after shortlisting Respondents the Buyer will offer all Respondents who have not been shortlisted a debrief. Each Respondent will have 30 Business Days, from the date of offer, to request a debrief. When a Respondent requests a debrief, the Buyer will provide the debrief within 30 Business Days of the date of the request, or of the date the Contract is signed, whichever is later.
- b) The debrief may be provided by letter, email, phone or at a meeting. The debrief will:
 - i provide the reasons why the Proposal was or was not successful
 - ii explain how the Proposal performed against the pre-conditions (if applicable) and the evaluation criteria
 - iii indicate the Proposal's relative strengths and weaknesses
 - iv explain, in general terms, the relative advantage/s of the successful Proposal
 - v seek to address any concerns or questions from the Respondent
 - vi seek feedback from the Respondent on the RFP and the RFP process.



6.11 Notification of outcome

- a) At any point after conclusion of negotiations, but no later than 30 Business Days after the date the Contract is signed, the Buyer will inform all unsuccessful Respondents of the name of the Successful Respondent, if any. The Buyer may make public the name of the Successful Respondent and any unsuccessful Respondent. Where applicable, the Buyer will publish a Contract Award Notice on GETS.



6.12 Issues and complaints

- a) A Respondent may, in good faith, raise with the Buyer any issue or complaint about the RFP, or the RFP process at any time.
- b) The Buyer will consider and respond promptly and impartially to the Respondent's issue or complaint.
- c) Both the Buyer and Respondent agree to act in good faith and use their best endeavours to resolve any issue or complaint that may arise in relation to the RFP.
- d) The fact that a Respondent has raised an issue or complaint is not to be used by the Buyer to unfairly prejudice the Respondent's ongoing participation in the RFP process or future contract opportunities.



Standard RFP Conditions

6.13 Buyer's Point of Contact

- a) All enquiries regarding the RFP must be directed by email to the Buyer's Point of Contact, and submitted through GETS. Respondents must not directly or indirectly approach any representative of the Buyer, or any other person, to solicit information concerning any aspect of the RFP.
- b) Only the Point of Contact, and any authorised person of the Buyer, are authorised to communicate with Respondents regarding any aspect of the RFP. The Buyer will not be bound by any statement made by any other person.
- c) The Buyer may change the Point of Contact at any time. The Buyer will notify Respondents of any such change. This notification may be posted on GETS.
- d) Where a Respondent has an existing contract with the Buyer then business as usual communications, for the purpose of managing delivery of that contract, will continue using the usual contacts. Respondents must not use business as usual contacts to lobby the Buyer, solicit information or discuss aspects of the RFP.
- e) The **Buyer's Point** of Contact may be contacted with any questions in relation to this RFP. Unless the question is considered by the Buyer to be "commercial in confidence", responses will be issued to all respondents at the Buyer's discretion. The Buyer will not be bound by any statement, written or verbal, made by any person including the Buyer's Point of

Contact unless that statement is subsequently expressly incorporated in the Contract.

6.14 Conflict of Interest

- a) Each Respondent must complete the Conflict of Interest declaration in the Response Form and must immediately inform the Buyer should a Conflict of Interest arise during the RFP process. A material Conflict of Interest may result in the Respondent being disqualified from participating further in the RFP.

6.15 Ethics

- a) Respondents must not attempt to influence or provide any form of personal inducement, reward or benefit to any representative of the Buyer in relation to the RFP.
- b) A Respondent who attempts to do anything prohibited by paragraphs 6.13.a. and d. and 6.15.a. may be disqualified from participating further in the RFP process.
- c) The Buyer reserves the right to require additional declarations, or other evidence from a Respondent, or any other person, throughout the RFP process to ensure probity of the RFP process.

6.16 Anti-collusion and bid rigging

- a) Respondents acknowledge that they have not and shall not engage in unfair, anti-competitive, deceptive, improper or unethical practices, in particular Respondents must not without the Buyer's prior written consent, consult, communicate or agree with any other Respondents in connection with any Proposal, and shall not make any attempt to influence any other Respondent to submit or not submit a Proposal or to alter the proposed content of that Respondent's Proposal. The Buyer reserves the right, at its discretion, to report suspected unfair, anti-competitive, deceptive, exploitative, improper or unethical practices by Respondents to an appropriate authority and to give that authority all relevant information including Proposals.
- b) Where a Respondent has an existing contract with the Buyer then business as usual communications, for the purpose of managing delivery of that contract, will continue using the usual contacts. Respondents must not use business as usual contacts to lobby the Buyer, solicit information or discuss aspects of this RFP process.
- c) The Buyer reserves the right, at its discretion, to report suspected collusive or anti-competitive conduct by Respondents to the appropriate authority and to give that authority all relevant information including a Respondent's Proposal.

6.17 Confidential Information

- a) The Buyer and Respondent will each take reasonable steps to protect Confidential Information and, subject to paragraph 6.17.c. and without limiting any confidentiality undertaking agreed between them, will not disclose Confidential Information to a third party without the other's prior written consent.
- b) The Buyer and Respondent may each disclose Confidential Information to any person who is directly involved in the RFP process on its behalf, such as officers, employees, consultants, contractors, professional advisors, evaluation panel members, partners, principals or directors, but only for the purpose of participating in the RFP.
- c) Respondents acknowledge that the Buyer's obligations under paragraph 6.17.a. are subject to requirements imposed by the Official Information Act 1982 (OIA), the Privacy Act 1993, parliamentary and constitutional convention and any other obligations imposed by law. The Buyer will not be in breach of its obligations if Confidential Information is disclosed by the Buyer to the appropriate authority because of suspected collusive or anti-competitive tendering behaviour. Where the Buyer receives an OIA request that relates to a Respondent's Confidential Information the Buyer

will consult with the Respondent and may ask the Respondent to explain why the information is considered by the Respondent to be confidential or commercially sensitive.

6.18 Confidentiality of RFP information

- a) For the duration of the RFP, to the date of the announcement of the Successful Respondent, or the end of the RFP process, the Respondent agrees to keep the RFP strictly confidential and not make any public statement to any third party in relation to any aspect of the RFP, the RFP process or the award of any Contract without the Buyer's prior written consent.
- b) A Respondent may disclose RFP information to any person described in paragraph 6.17.b. but only for the purpose of participating in the RFP. The Respondent must take reasonable steps to ensure that such recipients do not disclose Confidential Information to any other person or use Confidential Information for any purpose other than responding to the RFP.

6.19 Costs of participating in the RFP process

- a) Each Respondent will meet its own costs associated with the preparation and presentation of its Proposal and any negotiations.

6.20 Joint Ventures or Consortia ("Joint Proposal")

- a) Proposals may be submitted by joint ventures or consortia ("Joint Proposal"). All parties to a Joint Proposal will be jointly and severally liable to discharge the duties, obligations and responsibilities under the awarded Contract. One of the participants to the Joint Proposal must be identified as the contact point for all communications with the Buyer relating to the Joint Proposal.

6.21 Respondents to inform themselves

- a) Each Respondent shall be deemed to have inspected the sites, examined all documents and any other information supplied by the Buyer in relation to the RFP, undertaken all reasonable and practicable investigations and measurements, familiarised itself with the requirements of all relevant authorities, and to have satisfied itself as far as is practicable for an experienced supplier before tendering as to the correctness and sufficiency of its Proposal for the Services and of the prices stated in its Proposal.

6.22 Ownership of documents

- a) The RFP and its contents remain the property of the Buyer. All Intellectual Property rights in the RFP remain the property of the Buyer or its licensors. The Buyer may request the immediate return or destruction of any or all RFP documents and any copies. Respondents must comply with any such request in a timely manner.
- b) All documents forming the Proposal will, when delivered to the Buyer, become the property of the Buyer. Proposals will not be returned to Respondents at the end of the RFP process.
- c) Ownership of Intellectual Property rights in the Proposal remain the property of the Respondent or its licensors. However, the Respondent grants to the Buyer a non-exclusive, non-transferable, perpetual licence to retain, use, copy and disclose information contained in the Proposal for any purpose related to the RFP process.

6.23 No binding legal relations

- a) Neither the RFP, nor the RFP process, creates a process contract or any legal relationship between the Buyer and any Respondent, except in respect of:
 - i the Respondent's declaration in its Proposal
 - ii the Offer Validity Period
 - iii the Respondent's statements, representations and/or warranties in its Proposal and in its correspondence and negotiations with the Buyer

- iv the Evaluation Approach to be used by the Buyer to assess Proposals as set out in Section 3 and in the RFP-Terms (as varied by Section 1, paragraph 1.6, if applicable)
 - v the standard RFP conditions set out in paragraphs 6.13 to 6.26
 - vi any other matters expressly described as binding obligations in Section 1, paragraph 1.6.
- b) Each exception in paragraph 6.21.a. is subject only to the Buyer's reserved rights in paragraph 6.23.
 - c) Except for the legal obligations set out in paragraph 6.21.a. no legal relationship is formed between the Buyer and any Respondent unless and until a Contract is entered into between those parties.
 - d) If a Respondent is selected as 'preferred Respondent' then such selection does not constitute an acceptance by the Buyer of the Respondent's Proposal, or imply or create any obligation on the Buyer to award the Contract to that Respondent.
 - e) The Buyer may, at any time without being liable to the preferred Respondent, cease discussions with any preferred Respondent and not award the Contract to that party.

6.24 Elimination

- a) The Buyer may exclude a Respondent from participating in the RFP if the Buyer has evidence of any of the following, and is considered by the Buyer to be material to the RFP:
 - i the Respondent has failed to provide all information requested, or in the correct format, or materially breached a term or condition of the RFP
 - ii the Proposal contains a material error, omission or inaccuracy
 - iii the Respondent is in bankruptcy, receivership or liquidation
 - iv the Respondent has made a false declaration
 - v there is a serious performance issue in a historic or current contract delivered by the Respondent
 - vi the Respondent has been convicted of a serious crime or offence
 - vii there is professional misconduct or an act or omission on the part of the Respondent which adversely reflects on the integrity of the Respondent
 - viii the Respondent has failed to pay taxes, duties or other levies
 - ix the Respondent represents a threat to national security or the confidentiality of sensitive government information the Respondent is a person or organisation designated as a terrorist by New Zealand Police.

6.25 Attempts to influence RFP outcome

- a) Any attempt made by a Respondent to influence the outcome of the RFP process by canvassing, lobbying or otherwise seeking support of DCC officers or advisors, evaluation team members, Probity Auditor or elected representatives of DCC shall be deemed valid grounds for the exclusion of that Proposal from the evaluation process.

6.26 Buyer's additional rights

- a) Despite any other provision in the RFP the Buyer may, on giving due notice to Respondents:
 - i amend, suspend, cancel and/or re-issue the RFP, or any part of the RFP
 - ii make any material change to the RFP (including any change to the timeline, Requirements or Evaluation Approach) on the condition that Respondents are given a reasonable time within which to respond to the change.
 - iii Despite any other provision in the RFP the Buyer may:
 - iv accept a late Proposal if it is the Buyer's fault that it is received late
 - v in exceptional circumstances, accept a late Proposal where it considers that there is no material prejudice to other Respondents. The Buyer will not accept a late Proposal if it considers that there is risk of

collusion on the part of a Respondent, or the Respondent may have knowledge of the content of any other Proposal

- vi in exceptional circumstances, answer a question submitted after the Deadline for Questions, if applicable
- vii accept or reject any Proposal, or part of a Proposal
- viii accept or reject any non-compliant, non-conforming or alternative Proposal
- ix accept any Proposal, notwithstanding that any other Proposal may propose a lower cost method of achieving the Buyer's obligations
- x decide not to enter into a Contract with any Respondent
- xi liaise or negotiate with any Respondent without disclosing this to, or doing the same with, any other Respondent
- xii provide or withhold from any Respondent information in relation to any question arising in relation to the RFP. Information will usually only be withheld if it is deemed unnecessary, is commercially sensitive to a Respondent, is inappropriate to supply at the time of the request or cannot be released for legal reasons
- xiii amend the Proposed Contract at any time, including during negotiations with a shortlisted Respondent
- xiv enter into discussions and/or negotiations with any one or more Respondent(s) relating to the matters dealt with in the RFP
- xv re-advertise for additional Proposals
- xvi waive irregularities or requirements in or during the RFP process where it considers it appropriate and reasonable to do so.
- xvii take any combination of the above actions; and/or
- xviii suspend or cancel all or part of this RFP process at any time.
- xix The Buyer may request that a Respondent/s agrees to the Buyer:
- xx selecting any individual element/s of the Requirements that is offered in a Proposal and capable of being delivered separately, unless the Proposal specifically states that the Proposal, or elements of the Proposal, are to be taken collectively selecting two or more Respondents to deliver the Requirements as a joint venture or consortium.

6.27 New Zealand law

- a) The laws of New Zealand shall govern the RFP and each Respondent agrees to submit to the exclusive jurisdiction of the New Zealand courts in respect of any dispute concerning the RFP or the RFP process.

6.28 Disclaimer

- a) The Buyer will not be liable in contract, tort, equity, or in any other way whatsoever for any direct or indirect damage, loss or cost incurred by any Respondent or any other person in respect of the RFP process.
- b) Any information whatsoever provided by or on behalf of the Buyer to Respondents in relation to this RFP has been provided to assist Respondents in preparing Proposals and understanding the scope and nature of Services to be supplied under the Contract. Whilst the Buyer seeks to ensure that such information is accurate, the Buyer makes no warranty, whether expressed or implied, as to the completeness, correctness or accuracy of such information. The Respondent is to make its own enquires as it considers necessary before relying on any information provided by the Buyer and before submitting its Proposal.
- c) Nothing contained or implied in the RFP, or RFP process, or any other communication by the Buyer to any Respondent shall be construed as legal, financial or other advice. The Buyer has endeavoured to ensure the integrity of such information. However, it has not been independently verified and may not be updated.
- d) To the extent that liability cannot be excluded, the maximum aggregate liability of the Buyer, its agents and advisors is \$1.

6.29 Precedence

- a) Any conflict or inconsistency in the RFP shall be resolved by giving precedence in the following descending order:
 - i Section 1, paragraph 1.6
 - ii Section 6 (RFP-Terms)
 - iii all other Sections of this RFP document
 - iv any additional information or document provided by the Buyer to Respondents through the Buyer's Point of Contact or GETS.
- b) If there is any conflict or inconsistency between information or documents having the same level of precedence the later information or document will prevail.

DEFINITIONS

In relation to the RFP the following words and expressions have the meanings described below.

Advance Notice	A notice published by the buyer on GETS in advance of publishing the RFP. An Advance Notice alerts the market to a potential contract opportunity. Where used, an Advance Notice forms part of the RFP.
Business Day	Any week day in New Zealand, excluding Saturdays, Sundays, New Zealand (national) public holidays and all days from Boxing Day up to and including the day after New Year's Day.
Buyer	The Buyer is the Dunedin City Council which has issued the RFP with the intent of purchasing the goods or services described in the Requirements. The term Buyer includes its officers, employees, contractors, consultants, agents and representatives.
Competitors	Any other business that is in competition with a Respondent either in relation to the goods or services sought under the RFP or in general.
Confidential Information	<p>Information that:</p> <ol style="list-style-type: none"> a) is by its nature confidential b) is marked by either the Buyer or a Respondent as 'confidential', 'commercially sensitive', 'sensitive', 'in confidence', 'top secret', 'secret', classified' and/or 'restricted' c) is provided by the Buyer, a Respondent, or a third party in confidence d) the Buyer or a Respondent knows, or ought to know, is confidential. <p>Confidential information does not cover information that is in the public domain through no fault of either the Buyer or a Respondent.</p>
Conflict of Interest	<p>A Conflict of Interest arises if a Respondent's personal or business interests or obligations do, could, or be perceived to, conflict with its obligations to the Buyer under the RFP or in the provision of the goods or services. It means that the Respondent's independence, objectivity or impartiality can be called into question. A Conflict of Interest may be:</p> <ol style="list-style-type: none"> a) actual: where the conflict currently exists b) potential: where the conflict is about to happen or could happen, or c) perceived: where other people may reasonably think that a person is compromised.

Contract	The written Contract/s entered into by the Buyer and Successful Respondent/s for the delivery of the Requirements.
Contract Award Notice	Government Rules of Sourcing, Rule 45 requires a Buyer to publish a Contract Award Notice on GETS when it has awarded a contract that is subject to the Rules.
Deadline for Proposals	The deadline that Proposals are to be delivered or submitted to the Buyer as stated in Section 1, paragraph 1.2.
Deadline for Questions	The deadline for suppliers to submit questions to the Buyer as stated in Section 1, paragraph 1.2, if applicable.
Evaluation Approach	The approach used by the Buyer to evaluate Proposals as described in Section 3 and in Section 6 (as varied by Section 1, paragraph 1.6, if applicable).
GST	The goods and services tax payable in accordance with the New Zealand Goods and Services Tax Act 1985.
Intellectual Property	All intellectual property rights and interests, including copyright, trademarks, designs, patents and other proprietary rights, recognised or protected by law.
Offer Validity Period	The period of time when a Proposal (offer) is held open by the Respondent for acceptance by the Buyer as stated in Section 1, paragraph 1.6.
Point of Contact	The Buyer and each Respondent are required to appoint a Point of Contact. This is the channel to be used for all communications during the RFP process. The Buyer's Point of Contact is identified in Section 1, paragraph 1.3. The Respondent's Point of Contact is identified in its Proposal.
Price	The total amount, including all costs, fees, expenses and charges, to be charged by the Successful Respondent for the full delivery of the Requirements. Each Respondent's Proposal must include its Price.
Proposal	The response a Respondent submits in reply to the RFP. It comprises the Response Form, the Respondent's bid, financial and pricing information and all other information submitted by a Respondent.
Proposed Contract	The Contract terms and conditions proposed by the Buyer for the delivery of the Requirements as described in Section 5.
RFP	Means the Request for Proposal.
Registration of Interest	A formal request by a Buyer asking potential suppliers to register their interest in a procurement. It is the first step in a multi-step tender process.
Request for Proposal (RFP)	The RFP comprises the Advance Notice (where used), the Registration of Interest (where used), this RFP document (including the RFP-Terms) and any other schedule, appendix or document attached to this RFP, and any subsequent information provided by the Buyer to Respondents through the Buyer's Point of Contact or GETS.
RFP-Terms	Means the Request for Proposal - Process, Terms and Conditions as described in Section 6.

RFP Process, Terms and Conditions (shortened to RFP-Terms)	The government's standard process, terms and conditions that apply to RFPs as described in Section 6. These may be varied at the time of the release of the RFP by the Buyer in Section 1, paragraph 1.6. These may be varied subsequent to the release of the RFP by the Buyer on giving notice to Respondents.
Requirements	The goods and/or services described in Section 2 which the Buyer intends to purchase.
Respondent	A person, organisation, business or other entity that submits a Proposal in response to the RFP. The term Respondent includes its officers, employees, contractors, consultants, agents and representatives. The term Respondent differs from a supplier, which is any other business in the market place that does not submit a Proposal.
Response Form	The form and declaration prescribed by the Buyer and used by a Respondent to respond to the RFP, duly completed and submitted by a Respondent as part of the Proposal.
Successful Respondent	Following the evaluation of Proposals and successful negotiations, the Respondent/s who is awarded a Contract/s to deliver all or part of the Requirements.
GETS	Government Electronic Tenders Service page available at https://www.gets.govt.nz

Supplier Name:

Date:

Contract 8413 - Traffic Counting Professional Services 2019/20 - 2023/24				
	Unit	Estimated Annual Volumes	Rate	Yearly Price
1 Traffic Counting				
1.1 Single Counter	Each	306	\$0.00	\$0.00
1.2 Double Counter	Each	43	\$0.00	\$0.00
1.3 Four Counter	Each	1	\$0.00	\$0.00
2. Cycle Counts				
2.1 Cycle Count	Each	9	\$0.00	\$0.00
3. Travel Time Surveys				
3.1 Travel Time Survey	Each	5	\$0.00	\$0.00
4. Intersection Cameras				
4.1 MioVision Recording	Each	150	\$0.00	\$0.00
4.2 Technician	Hour	1	\$0.00	\$0.00
4.3 Vehicle Hire	Km	1	\$0.00	\$0.00
4.4 Traffic Management	Hour	1	\$0.00	\$0.00
5. Parking Sensors				
5.1 Technician	Hour	120	\$0.00	\$0.00
5.2 Vehicle	Km	200	\$0.00	\$0.00
5.3 Traffic Management	Hour	30	\$0.00	\$0.00
6. Provisional Sum for Miscellaneous Work				\$10,000.00
Total Yearly Price				\$10,000.00
Total Contract Price	(Yearly Price * 5)			\$50,000.00

Where the Consultant is proposing a solution other than pneumatic tubes the rates under 1 should be updated to reflect the actual solution suggested.

Rates 4.2, 4.3 and 4.4 are only to be used where type of camera used is not a MioVision camera. All costs for installing a MioVision Camera safely, charging the camera and extracting the data should be included under 4.1

Metro Count	Estimate Group	Road	Road ID	Start	End	Start Name	End Name	Area	Sub-Area	Location	Seal Width	Number of	Last Adt	Speed Limi	Department	Count Type	Frequency	Month	Calendar Yr	One Network Road Class
71_2228_600		9 CHERRY DR (MSI)	2228	553		710 KANUKA C	(MURRAY S	MOSGIEL	AERO 89	600	8.5	1	450	50	Asset and Commercial	Rotational	5 Yearly	July	2019	Access
71_1664_80		16 MCMASTER RD (SH)	1664	0		100 SADDLE HIL	END OF SE/	SADDLE HIL	SADDLE HIL	80	6.2	1	160	80	Asset and Commercial	Rotational	5 Yearly	July	2019	Access
71_811_1299		23 HILLSIDE RD (EAST)	811	1242		1396 HELENA ST	NELSON ST	EAST	BATHGATE	1299	14.2	2	14000	50	Asset and Commercial	Rotational	5 Yearly	July	2019	Arterial
71_907_747		28 BELFORD ST (EAST)	907	695		816 BEATTY ST	EASTBANK	EAST	WAVERLEY	747	8	1	450	50	Asset and Commercial	Rotational	5 Yearly	July	2019	Access
71_889_2960		29 TOMAHAWK RD (EAST)	889	2904		3709 CENTRE RD	SOUTHDALE	EAST RURA	HIGHCLIFF	2960	4.7	1	200	70	Asset and Commercial	Rotational	5 Yearly	July	2019	Secondary Collector
71_1337_100		30 INGS AVE (STK)	1337	0		386 FORBURY F	HARGEST C	ST KILDA	FORBURY F	100	9.4	1	400	50	Asset and Commercial	Rotational	5 Yearly	July	2019	Access
71_724_88		32 NORFOLK ST (WEST)	724	0		133 VALPY ST	HOBSON S	WEST	ST CLAIR 3	88	10.9	1	500	50	Asset and Commercial	Rotational	5 Yearly	July	2019	Access
71_625_200		34 ELGIN RD (WEST)	625	151		254 DURHAM S	GALLOWAY	WEST	MORNINGT	200	14.7	1	5500	50	Asset and Commercial	Rotational	5 Yearly	July	2019	Primary Collector
71_635_40		37 RENFREW ST (WEST)	635	0		98 WILLS ST	OAKWOOD	WEST	LOOKOUT F	40	6.3	1	150	50	Asset and Commercial	Rotational	5 Yearly	July	2019	Low Volume
71_484_122		39 FARLEY ST (CEN)	484	0		257 TAIERI RD	BERESFORD	CENTRAL	KAIKORAI E	122	7.3	1	350	50	Asset and Commercial	Rotational	5 Yearly	July	2019	Access
71_527_290		39 SALMOND ST (CEN)	527	0		464 GILKISON S	GILKISON S	CENTRAL	HALFWAY E	290	7.9	1	150	50	Asset and Commercial	Rotational	5 Yearly	July	2019	Low Volume
71_603_35		40 AVON ST (CEN)	603	0		64 LITTLEBOU	MELROSE S	CENTRAL	LITTLEBOU	35	5.9	1	500	50	Asset and Commercial	Rotational	5 Yearly	July	2019	Access
71_304_100		43 WILLIS ST (CEN)	304	0		206 THOMAS B	FAIRLEY ST	CENTRAL	HARBOUR I	100	13.5	1	1100	50	Asset and Commercial	Rotational	5 Yearly	July	2019	Secondary Collector
71_405_76		44 HANOVER ST (NORTH/CEN)	405	0		121 FILLEUL ST	GEORGE ST	CENTRAL	CITY RISE 7	76	13.3	2	7000	30	Asset and Commercial	Rotational	5 Yearly	July	2019	Arterial
71_369_80		45 BRAID RD (CEN)	369	0		120 RUSSELL ST	YORK PLAC	CENTRAL	JUBILEE PA	80	7.3	1	100	50	Asset and Commercial	Rotational	5 Yearly	July	2019	Low Volume
71_213_380		47 CLYDE ST (NORTH)	213	223		448 ALBANY ST	UNION ST	E NORTH	UNIVERSIT	380	13.4	1	4500	50	Asset and Commercial	Rotational	5 Yearly	July	2019	Primary Collector
71_3062_100		47 ANZAC AVE NORTH (NORTH)	3062	0		206 RAVENSBO	ALBANY ST	NORTH	UNIVERSIT	100	11	1	3800	50	Asset and Commercial	Rotational	5 Yearly	July	2019	Arterial
71_243_128		49 GREAT KING ST NORTH (NORTH)	243	0		208 PINEHILL R	BANK ST	NORTH	NORTH DU	128	13.5	2	10200	50	Asset and Commercial	Rotational	5 Yearly	July	2019	Arterial
71_1923_250		3 BEAUMARIS ST (TAI)	1923	244		483 HOYLAKES	BIDSTON S	TAIERI	OUTRAM 3	250	6.3	1	100	50	Asset and Commercial	Rotational	5 Yearly	August	2019	Low Volume
71_1934_280		4 GLADSTONE RD NORTH (TAI)	1934	0		560 PUDDLE AL	MAGAZINE	TAIERI	WINGATUI	280	7.3	1	670	70	Asset and Commercial	Core	Annual	August	2019	Secondary Collector
71_1939_1880		4 FACTORY RD (TAI)	1939	1794		1973 CALEDONIA	CENTRE ST	TAIERI	WINGATUI	1880	13	1	3800	50	Asset and Commercial	Core	Annual	August	2019	Arterial
71_1939_638		4 FACTORY RD (TAI)	1939	0		1088 PUDDLE AL	GUY ROAD	TAIERI	WINGATUI	638	6.6	1	2600	80	Asset and Commercial	Rotational	5 Yearly	August	2019	Arterial
71_1999_5610		6 HENLEY BERWICK RD (TAI)	1999	5399		6064 S.H.1	START BRIL	TAIERI	MOMONA	5610	6.5	1	130	100	Asset and Commercial	Rotational	5 Yearly	August	2019	Access
71_2224_1803		6 CENTRE RD (TAI)	2224	0		3605 MILLER RD	OTOKIA RD	TAIERI	MOMONA	1803	7.2	1	450	100	Asset and Commercial	Rotational	5 Yearly	August	2019	Secondary Collector
71_1968_1657		7 GORDON RD (TAI)	1968	1025		2450 SCHOOL RE	DUKES RD	TAIERI	NORTH TAI	1657	5.4	1	880	80	Asset and Commercial	Core	Annual	August	2019	Secondary Collector
71_1934_3125		11 GLADSTONE RD NORTH (TAI)	1934	3120		3368 MCFADDEA	QUARRY RI	MOSGIEL	EAST MOSC	3125	7.6	1	3000	50	Asset and Commercial	Rotational	5 Yearly	August	2019	Primary Collector
71_1348_1187		21 EMERSON ST (GI)	1348	1113		1230 MULFORD	MAIN SOUT	GREEN ISLA	CONCORD	1187	9	1	2500	50	Asset and Commercial	Core	Annual	August	2019	Secondary Collector
71_359_68		23 SOUTH RD (WEST/EAST)	359	0		525 PRINCES ST	EGLINTON	EAST	HILLSIDE 2	68	12.1	1	6500	50	Asset and Commercial	Rotational	5 Yearly	August	2019	Primary Collector
71_1251_135		26 ANDERSONS BAY SLIP RD (EAST)	1251	0		195 CUMBERLA	GORDON S	EAST	SOUTH DUI	135	6.7	1	280	50	Asset and Commercial	Rotational	5 Yearly	August	2019	Access
71_898_12485		29 PORTOBELLO RD (EAST-EAST/R)	898	12207		12544 CAMP RD	CLEARWAT	EAST RURA	PORTOBELL	12485	6.3	1	2200	50	Asset and Commercial	Rotational	5 Yearly	August	2019	Arterial
71_1269_90		30 ALMA ST (STK)	1269	0		162 HARGEST C	RICHARDSC	ST KILDA	FORBURY F	90	9.3	1	100	50	Asset and Commercial	Rotational	5 Yearly	August	2019	Low Volume
71_728_50		32 VALPY ST (WEST)	728	0		155 FORBURY F	NORFOLK S	WEST	ST CLAIR 3	50	8.3	1	700	50	Asset and Commercial	Rotational	5 Yearly	August	2019	Access
71_551_108		35 ST ALBANS ST (WEST)	551	0		299 KAIKORAI V	END	WEST	KAIKORAI V	108	8.9	1	120	50	Asset and Commercial	Rotational	5 Yearly	August	2019	Low Volume
71_476_1254		39 TAIERI RD (CEN)	476	1235		1694 HELENSBUI	WAKARI RE	CENTRAL	HALFWAY E	1254	13.6	1	9500	50	Asset and Commercial	Rotational	5 Yearly	August	2019	Arterial
71_450_535		40 GREENDRIVERS RD (NORTH)	450	459		602 TOLCARNE	DRIVERS RI	NORTH	MAORI HIL	535	7	1	330	50	Asset and Commercial	Rotational	5 Yearly	August	2019	Access
71_321_174		42 POLICE ST (CEN)	321	122		192 CRAWFORD	VOGEL ST	CENTRAL	OVALL 51	174	14.1	1	1250	50	Asset and Commercial	Rotational	5 Yearly	August	2019	Secondary Collector
71_295_106		43 HALSEY ST (CEN)	295	37		147 WARD ST	STURDEE S	CENTRAL	WATERFRIC	106	16.7	1	1400	50	Asset and Commercial	Rotational	5 Yearly	August	2019	Secondary Collector
71_322_692		44 PRINCES ST (CEN/EAST)	322	584		748 MANSE ST	CARROLL S	CENTRAL	EXCHANGE	692	20.2	4	12000	50	Asset and Commercial	Rotational	5 Yearly	August	2019	Arterial
71_326_103		45 ARTHUR ST (CEN)	326	68		125 MAORI RD	RUSSELL ST	CENTRAL	JUBILEE PA	103	12.8	1	3300	50	Asset and Commercial	Rotational	5 Yearly	August	2019	Primary Collector
71_222_600		47 LEITH ST (NORTH)	222	450		673 FREDERICK	ALBANY ST	NORTH	UNIVERSIT	600	14	1	1000	50	Asset and Commercial	Rotational	5 Yearly	August	2019	Secondary Collector
71_239_122		49 COSY DELL RD (NORTH)	239	0		489 REGENT RE	QUEENS DF	NORTH	NORTH DU	122	4.6	1	150	50	Asset and Commercial	Rotational	5 Yearly	August	2019	Access
71_169_170		51 WOODHAUGH ST (NORTH)	169	0		412 MALVERN	MALVERN	NORTH	LEITH VALL	170	8.3	1	225	50	Asset and Commercial	Rotational	5 Yearly	August	2019	Access
71_1430_362		55 SHANDON ST (PC)	1430	337		390 REEVES ST	SH. 88	PORT CHAL	SAWYERS E	362	5.8	1	450	50	Asset and Commercial	Rotational	5 Yearly	August	2019	Access
71_1352_175		56 WICKLIFFE TCE (PC)	1352	115		250 BURNS ST	DALY ST	PORT CHAL	PORT CHAL	175	7	1	400	50	Asset and Commercial	Rotational	5 Yearly	August	2019	Access
71_1516_100		56 SLANT ST (PC)	1516	0		198 MACANDRI	HARBOUR	PORT CHAL	CAREYS BA	100	6.1	1	290	50	Asset and Commercial	Rotational	5 Yearly	August	2019	Access
71_1488_6000		57 ARAMOANA RD (PC)	1488	4190		6210 HAMILTON	OLD QUARI	PORT CHAL	ARAMOAN	6000	5.5	1	500	70	Asset and Commercial	Rotational	5 Yearly	August	2019	Secondary Collector
71_1788_859		58 HARVEY ST (WC)	1788	659		1012 OKONONUI	SHORTCUT	WAIK. COA	WAITATI C	859	6.8	1	700	50	Asset and Commercial	Rotational	5 Yearly	August	2019	Secondary Collector
71_1690_13680		60 COAST RD (WC)	1690	13395		13795 STORNOW	BARRA ST	WAIK. COA	KARITANE	13680	7	1	800	50	Asset and Commercial	Core	Annual	August	2019	Secondary Collector
71_1690_8490		60 COAST RD (WC)	1690	7970		9975 CULVERT	LOOKOUT F	WAIK. COA	MERTON 3	8490	6	1	280	50	Asset and Commercial	Rotational	5 Yearly	August	2019	Secondary Collector
71_1858_140		61 BEACH ST (WC)	1858	0		323 SH.1	COLLINS ST	WAIK. COA	WAIKOUAI	140	7.2	1	1000	50	Asset and Commercial	Core	Annual	August	2019	Secondary Collector
71_2236_1094		9 FACTORY RD (MSI)	2236	1082		1386 REID AVE	GORDON R	MOSGIEL	AERO 89	1094	13.9	1	6400	50	Asset and Commercial	Core	Annual	September	2019	Arterial
71_1634_114		9 HAZLETT RD (MSI)	1634	0		156 DUKES RD	SINCLAIR R	MOSGIEL	AERO NOR	114	6.6	1	300	50	Asset and Commercial	Rotational	5 Yearly	September	2019	Access
71_2256_235		9 HARTSTONGE AVE (MSI)	2256	0		300 REID AVE	GORDON R	MOSGIEL	AERO 89	235	12.8	1	4600	50	Asset and Commercial	Rotational	5 Yearly	September	2019	Primary Collector
71_1564_180		10 HIGH ST (MSI)	1564	0		374 FACTORY R	GREEN ST	MOSGIEL	NORTH MC	180	13.8	1	2800	50	Asset and Commercial	Core	Annual	September	2019	Secondary Collector
71_1562_2059		10 HAGART ALEXANDER DR (MSI)	1562	1966		2182 BEN LOMO	FACTORY R	MOSGIEL	NORTH MC	2059	8.3	1	1800	50	Asset and Commercial	Rotational	5 Yearly	September	2019	Primary Collector
71_1524_254		11 CLYDE ST (MSI)	1524	0		329 QUARRY RI	LEITH ST	MOSGIEL	EAST MOSC	254	6.4	1	300	50	Asset and Commercial	Rotational	5 Yearly	September	2019	Access
71_1503_50		12 BURNS ST (MSI)	1503	0		121 GORDON R	KING ST	MOSGIEL	SOUTH MC	50	12.1	1	1600	50	Asset and Commercial	Rotational	5 Yearly	September	2019	Secondary Collector
71_2619_1059		14 MAIN ROAD (SH)	2619	759		1181 HOWORTH	COCKBURN	SADDLE HIL	FAIRFIELD	1059	14	1	2700	50	Asset and Commercial	Core	Annual	September	2019	Primary Collector
71_1357_3904		15 SCROGGS HILL RD (SH)	1357	1960		3960 FARM ACCI	MCINTOSH	SADDLE HIL	OCEAN VIE	3904	7	1	400	100	Asset and Commercial	Rotational	5 Yearly	September	2019	Access
71_1576_1850		16 MORRIS RD (SH)	1576	1847		2483 COALSTAGI	BRAESIDE	SADDLE HIL	CHAIN HILL	1850	9	1	1200	80	Asset and Commercial	Core	Annual	September	2019	Primary Collector
71_1297_50		19 BOOMER ST (GI)	1297	0		97 CARNFORT	CRIMP ST	GREEN ISLA	ABBOTSFOL	50	7.3	1	300	50	Asset and Commercial	Rotational	5 Yearly	September	2019	Access
71_1201_4581		20 KAIKORAI VALLEY RD LEFT (CEN/WEST/G	1201	4542		4740 SHORT ST	MCLEODS F	GREEN ISLA	ABBOTSFOL	4581	13.8	2	11000	50	Asset and Commercial	Core	Annual	September	2019	Arterial
71_1287_820		21 MAIN SOUTH RD (GI)	1287	683		1004 EMERSON	KAIKORAI V	GREEN ISLA	CONCORD	820	9	1	6300	50	Asset and Commercial	Rotational	5 Yearly	September	2019	Primary Collector
71_1169_100		22 QUARRY RD (GI)	1169	0		436 MAIN SOUT	DISTRICT R	GREEN ISLA	GREEN ISLA	100	6.8	1	230	50	Asset and Commercial	Rotational	5 Yearly	September	2019	Access
71_792_780		23 BAY VIEW RD (EAST)	792	656		937 KINGS AVE	MOREAU S	EAST	TONGA PAI	780	11.6	2	5000	50	Asset and Commercial	Core	Annual	September	2019	Primary Collector
71_811_1438		23 HILLSIDE RD (EAST)	811	1396		1541 NELSON ST	SURREY ST	EAST	BATHGATE	1438	14.2	2	12100	50	Asset and Commercial	Core	Annual	September	2019	Arterial
71_797_1300		23 MACANDREW RD (EAST)	797	1285		1506 LOYALTY S	SURREY ST	EAST	BATHGATE	1300	11	1	5000	50	Asset and Commercial	Rotational	5 Yearly	September	2019	Primary Collector
71_828_70		23 FOX ST (EAST)	828	0		150 HILLSIDE R	CROWDER	EAST	HILLSIDE 2	70	10.3	1	550	50	Asset and Commercial	Rotational	5 Yearly	September	2019	Access
71_772_50		24 PLAYFAIR ST (EAST)	772	0		152 SOUTH RD	LOMOND S	EAST	CAVERSHA	50	8	1	3000	50	Asset and Commercial	Rotational	5 Yearly	September	2019	Primary Collector
71_278_316		25 TIMARU																		

71_844_154	26 FINGALL ST (EAST)	844	135	269 MELBOURNE OXFORD ST EAST	SOUTH DUN	154	5.1	1	560	50 Asset and Commercial	Rotational	5 Yearly	September 2019	Access
71_864_1100	27 MUSSELBURGH RISE (EAST)	864	995	1137 SHORE ST BAYFIELD ROAD EAST	TAINUI 11	1100	14.3	2	9300	50 Asset and Commercial	Core	Annual	September 2019	Primary Collector
71_882_280	27 OAKLAND ST (EAST)	882	0	390 TOMAHAWK DUCKWORKS EAST	TOMAHAWK	280	6.2	1	200	50 Asset and Commercial	Rotational	5 Yearly	September 2019	Access
71_918_150	28 EASTBANK ST (EAST)	918	108	218 BELFORD STREET ARCHIBALD EAST	WAVERLEY	150	8	1	350	50 Asset and Commercial	Rotational	5 Yearly	September 2019	Access
71_898_14476	29 PORTOBELLO RD (EAST-EAST/R)	898	13549	14661 BACON STREET BEACONSFIELD EAST RURAL PORTOBELLO	PORTOBELLO	14476	6.2	1	1800	70 Asset and Commercial	Rotational	5 Yearly	September 2019	Arterial
71_1190_640	30 VICTORIA RD (STK)	1190	385	906 KENNEDY STREET PLUNKET STREET KILDA	FORBURY ROAD	640	10.5	1	4400	50 Asset and Commercial	Core	Annual	September 2019	Primary Collector
71_1312_410	30 GROVE ST (STK)	1312	271	502 MARKET STREET NEW STREET KILDA	TAHUNA 7	410	7.2	1	200	50 Asset and Commercial	Rotational	5 Yearly	September 2019	Access
71_736_670	32 MIDDLETON RD (WEST)	736	640	941 LOCKERBIE GILMERTON WEST	KEW 34	670	8.6	1	3600	50 Asset and Commercial	Core	Annual	September 2019	Primary Collector
71_742_25	32 BANGOR TCE (WEST)	742	0	75 MIDDLETON SKIBO STREET WEST	KEW 34	25	8.4	1	630	50 Asset and Commercial	Rotational	5 Yearly	September 2019	Access
71_393_100	33 NAPIER ST (WEST)	393	0	154 KENMURE JUBILEE STREET WEST	BELLEKNON	100	14.6	1	3400	50 Asset and Commercial	Rotational	5 Yearly	September 2019	Primary Collector
71_694_406	34 MAILER ST (WEST)	694	338	555 JUBILEE STREET KENMURE STREET WEST	MORNINGTON	406	11.5	2	9000	50 Asset and Commercial	Core	Annual	September 2019	Arterial
71_689_130	34 HAVELOCK ST (WEST)	689	0	266 WHITBY STREET ELGIN ROAD WEST	MORNINGTON	130	6.2	1	225	50 Asset and Commercial	Rotational	5 Yearly	September 2019	Access
71_625_875	37 ELGIN RD (WEST)	625	829	938 MITCHELL BENHAR STREET WEST	LOOKOUT HILL	875	10.6	1	4550	50 Asset and Commercial	Core	Annual	September 2019	Primary Collector
71_553_324	38 BROCKVILLE RD (CEN)	553	82	395 GLENROSS STREET TRICK STREET CENTRAL	BROCKVILLE	324	10.5	1	5200	50 Asset and Commercial	Rotational	5 Yearly	September 2019	Primary Collector
71_465_130	39 COUNTY RD (CEN)	465	0	175 MELLOR STREET CULLODEN CENTRAL	KAIKORAI 6	130	6.8	1	675	50 Asset and Commercial	Rotational	5 Yearly	September 2019	Access
71_592_102	40 CITY RD (CEN)	592	0	252 QUEENS DRIVE ROSS STREET CENTRAL	ROSLYN 57	102	10.5	1	6000	50 Asset and Commercial	Core	Annual	September 2019	Primary Collector
71_424_850	40 HIGHGATE (WEST/CEN/NORTH)	424	819	919 SHEEN STREET HEREFORD CENTRAL	ROSLYN 57	850	7.4	1	4800	50 Asset and Commercial	Rotational	5 Yearly	September 2019	Primary Collector
71_352_550	41 MAITLAND ST (CEN)	352	489	612 MANOR PLACE CARROLL STREET CENTRAL	MARKET ROAD	550	13.3	1	900	50 Asset and Commercial	Rotational	5 Yearly	September 2019	Access
71_263_539	44 GREAT KING ST (CEN/NORTH)	263	408	630 HANOVER STREET FREDERICK CENTRAL	CITY RISE 7	539	10	2	4400	30 Asset and Commercial	Rotational	5 Yearly	September 2019	Arterial
71_236_110	47 LEITH STREET NORTH (NORTH)	236	0	221 DUNDAS STREET HOWE STREET NORTH	UNIVERSITY	110	13.4	1	1450	50 Asset and Commercial	Rotational	5 Yearly	September 2019	Secondary Collector
71_138_96	50 ANTRIM ST (NORTH)	138	0	219 NORTH ROAD ROLLA STREET NORTH	NORMANBY	96	7.5	1	475	50 Asset and Commercial	Rotational	5 Yearly	September 2019	Access
71_2_100	53 ASCOG RD (NORTH)	2	0	146 RAVENSBOY TOTARA STREET NORTH	RAVENSBOY	100	5.6	1	120	50 Asset and Commercial	Rotational	5 Yearly	September 2019	Low Volume
71_2151_75	1 ABERAFON STREET (ST)	2151	0	123 SWANSEA STREET KIRK STREET STRATH TA MIDDLEMAN	STRATH TA MIDDLEMAN	75	12.8	1	250	50 Asset and Commercial	Core	Annual	October 2019	Secondary Collector
71_1944_33000	2 GEORGE KING MEMORIAL DRIVE (ST/TAI)	1944	31010	33375 NICHOLS ROAD SH. 87 STRATH TA DEEP STREET	STRATH TA DEEP STREET	33000	6.1	1	50	100 Asset and Commercial	Core	Annual	October 2019	Secondary Collector
71_2083_120	2 BLACK ROCK RD (ST)	2083	0	3985 SH. 87 WARD BOLD STRATH TA DEEP STREET	STRATH TA DEEP STREET	120	6	1	100	100 Asset and Commercial	Rotational	5 Yearly	October 2019	Access
71_2123_266	2 HYDE-MACRAES RD (ST)	2123	0	1028 SH. 87 BRIDGE 13 STREET STRATH TA HYDE 50	STRATH TA HYDE 50	266	6	1	100	100 Asset and Commercial	Rotational	5 Yearly	October 2019	Secondary Collector
71_1922_1007	6 HUNTLY RD (TAI)	1922	304	1815 FORMBY ROAD CHURCH ROAD TAIERI	MAUNGATUA	1007	6.1	1	530	100 Asset and Commercial	Rotational	5 Yearly	October 2019	Secondary Collector
71_1988_5147	6 ALLANTON RD (TAI)	1988	3824	5244 GRANTON HUNTLY ROAD TAIERI	MOMONA	5147	5.4	1	700	100 Asset and Commercial	Rotational	5 Yearly	October 2019	Primary Collector
71_2000_1777	6 KIRKS DRAIN RD (TAI)	2000	0	3409 MILLER ROAD OTOKIA ROAD TAIERI	MOMONA	1777	5.2	1	105	100 Asset and Commercial	Rotational	5 Yearly	October 2019	Access
71_1610_1546	7 BUSH RD (MSI/TAI)	1610	1212	1818 WARD BODY RICCARTON TAIERI	EAST TAIERI	1546	6	1	1750	80 Asset and Commercial	Rotational	5 Yearly	October 2019	Primary Collector
71_1966_979	7 TIROHANGA RD (TAI)	1966	0	1820 GORDON ROAD RICCARTON TAIERI	NORTH TAIERI	979	6.6	1	400	100 Asset and Commercial	Rotational	5 Yearly	October 2019	Secondary Collector
71_4171_57	10 OWHIRO AVE [MSI]	4171	0	150 HAGART-AI END OF SEASIDE MOSGIEL	NORTH MC	57	6.6	1		50 Asset and Commercial	Rotational	5 Yearly	October 2019	Low Volume
71_1665_170	16 COALSTAGE RD (SH)	1665	0	350 MORRIS ROAD ACCESS 39 SADDLE HILL SADDLE HILL	SADDLE HILL	170	8.8	1	350	80 Asset and Commercial	Rotational	5 Yearly	October 2019	Secondary Collector
71_806_300	23 BURNS ST (EAST)	806	254	439 NEVILLE STREET HILLSIDE ROAD EAST	BATHGATE	300	13	1	4800	50 Asset and Commercial	Rotational	5 Yearly	October 2019	Primary Collector
71_902_100	25 SHORE ST (EAST)	902	0	582 PORTOBELLO MUSSELBURY EAST	ANDERSON	100	8.5	1	5500	50 Asset and Commercial	Rotational	5 Yearly	October 2019	Primary Collector
71_898_14885	29 PORTOBELLO RD (EAST-EAST/R)	898	14661	15177 BEACONSFIELD SEATON ROAD EAST RURAL PORTOBELLO	PORTOBELLO	14885	6.8	1	1400	50 Asset and Commercial	Rotational	5 Yearly	October 2019	Arterial
71_1254_60	30 PRINCE ALBERT RD (STK)	1254	0	78 BAY VIEW STREET YOUNG STREET KILDA	KETTLE PAKE	60	12.2	1	7800	50 Asset and Commercial	Rotational	5 Yearly	October 2019	Primary Collector
71_714_280	32 ALLANDALE RD (WEST)	714	134	431 MOTU STREET RAVENSWOOD WEST	ST CLAIR 32	280	5.8	1	2100	50 Asset and Commercial	Rotational	5 Yearly	October 2019	Secondary Collector
71_672_370	36 GLEN RD (WEST)	672	274	772 HAYWOOD OSBORNE STREET WEST	THE GLEN 4	370	8.5	1	3700	50 Asset and Commercial	Core	Annual	October 2019	Primary Collector
71_671_1351	36 EGLINTON RD (WEST)	671	1276	1379 HIGH STREET (L) MACNEE STREET WEST	THE GLEN 4	1351	14	2	10000	50 Asset and Commercial	Rotational	5 Yearly	October 2019	Primary Collector
71_511_426	39 PROSPECT BANK (CEN)	511	0	519 SHETLAND LYNN STREET CENTRAL	WAKARI 67	426	7.4	1	200	50 Asset and Commercial	Rotational	5 Yearly	October 2019	Access
71_443_671	40 CANNINGTON RD (NORTH)	443	375	811 PILKINGTON ROAD BRAEVIEW NORTH	MAORI HILL	671	11.2	1	700	50 Asset and Commercial	Rotational	5 Yearly	October 2019	Access
71_319_219	42 JERVOIS ST (CEN)	319	150	272 CRAWFORD PRINCES STREET CENTRAL	OVAL 51	219	13.2	1	3800	50 Asset and Commercial	Rotational	5 Yearly	October 2019	Primary Collector
71_1205_74	44 STUART STREET LEFT (CEN)	1205	0	116 OCTAGON MORAY PLACE CENTRAL	EXCHANGE	74	13.4	1	4000	50 Asset and Commercial	Rotational	5 Yearly	October 2019	Arterial
71_233_200	49 DUNDAS ST (NORTH)	233	123	245 GREAT KIN CUMBERLAND NORTH	NORTH DUN	200	13.6	1	5400	50 Asset and Commercial	Core	Annual	October 2019	Primary Collector
71_242_1505	49 GEORGE ST (NORTH/CEN)	242	1363	1585 ST DAVID STREET DUNDAS STREET NORTH	NORTH DUN	1505	13	2	10000	50 Asset and Commercial	Rotational	5 Yearly	October 2019	Arterial
71_2872_50	9 MORVEN PLACE [MSI]	2872	0	88 CHERRY DRIVE FENTY PLACE MOSGIEL	AERO 89	50	6.8	1	435	50 Asset and Commercial	Rotational	5 Yearly	November 2019	Access
71_1675_100	12 FORTH STREET (MSI)	1675	0	207 BUSH ROAD TAY STREET MOSGIEL	SOUTH MC	100	12.1	1	350	50 Asset and Commercial	Rotational	5 Yearly	November 2019	Access
71_1357_150	15 SCROGGS HILL RD (SH)	1357	0	210 BRIGHTON SEAVIEW ROAD SADDLE HILL OCEAN VIEW	OCEAN VIEW	150	5.5	1	390	50 Asset and Commercial	Rotational	5 Yearly	November 2019	Access
71_1667_2550	16 CHAIN HILLS RD (SH)	1667	395	2695 DRIVEWAY INTERSECTION SADDLE HILL CHAIN HILL	CHAIN HILL	2550	6.7	1	200	70 Asset and Commercial	Rotational	5 Yearly	November 2019	Secondary Collector
71_1566_110	17 VISCOUNT RD (SH)	1566	0	195 VULCAN ROAD VALIANT ROAD SADDLE HILL WALDRON	WALDRON	110	9.7	1	320	50 Asset and Commercial	Core	Annual	November 2019	Access
71_1463_1371	18 BLACKHEAD RD (GI/SH)	1463	1310	3456 TUNNEL BE QUARRY ROAD SADDLE HILL BLACKHEAD	BLACKHEAD	1371	6.7	1	1200	80 Asset and Commercial	Core	Annual	November 2019	Primary Collector
71_1295_45	22 EDINBURGH ST (GI)	1295	0	165 MAIN SOUTH RENNIE STREET GREEN ISLAND GREEN ISLAND	GREEN ISLAND	45	7.1	1	500	50 Asset and Commercial	Core	Annual	November 2019	Access
71_4177_129	22 MAIN SOUTH RD (SUNNYVALE) [GI]	4177	0	197 MAIN SOUTH BOUNDARY GREEN ISLAND GREEN ISLAND	GREEN ISLAND	129	10	1	6000	50 Asset and Commercial	Rotational	5 Yearly	November 2019	Primary Collector
71_811_500	23 HILLSIDE RD (EAST)	811	413	613 KING EDWARD REID ROAD EAST	HILLSIDE 2	500	14.2	2	14900	50 Asset and Commercial	Rotational	5 Yearly	November 2019	Arterial
71_1208_250	25 PORTSMOUTH DRIVE LEFT (EAST)	1208	215	600 ORARI STREET MIDLAND STREET EAST	ANDERSON	250	8.1	2	10000	60 Asset and Commercial	Rotational	5 Yearly	November 2019	Arterial
71_1327_100	27 MARLOW STREET (STK)	1327	0	290 TAINUI ROAD CAVELL STREET EAST	TAINUI 11	100	7.1	1	450	49 Asset and Commercial	Rotational	5 Yearly	November 2019	Access
71_898_15900	29 PORTOBELLO RD (EAST-EAST/R)	898	15804	16006 BEACONSFIELD HEREWKA EAST RURAL PORTOBELLO	PORTOBELLO	15900	6.5	1	1500	50 Asset and Commercial	Rotational	5 Yearly	November 2019	Arterial
71_1309_200	30 NORMANBY ST (STK)	1309	0	242 ROYAL CRE MARLOW STREET KILDA	TAHUNA 7	200	7.8	1	120	50 Asset and Commercial	Rotational	5 Yearly	November 2019	Low Volume
71_761_790	31 RISELAW RD (WEST)	761	650	877 PANMURE PANMURE WEST	CALTON HILL	790	10.5	1	2000	50 Asset and Commercial	Core	Annual	November 2019	Secondary Collector
71_715_23	32 BEACH ST (WEST)	715	0	83 ESPLANADE BEDFORD ROAD WEST	ST CLAIR 32	23	13.7	1	2500	50 Asset and Commercial	Rotational	5 Yearly	November 2019	Primary Collector
71_383_50	33 ASHLEY ST (WEST)	383	0	106 NEWPORT ROSEBURY WEST	BELLEKNON	50	14.2	1	160	50 Asset and Commercial	Rotational	5 Yearly	November 2019	Low Volume
71_399_450	35 STONE ST (WEST)	399	95	778 MATAORA KAIKORAI VALLEY WEST	KAIKORAI VALLEY	450	10.2	1	6300	50 Asset and Commercial	Rotational	5 Yearly	November 2019	Primary Collector
71_652_650	36 GLENPARK AVE (WEST)	652	616	682 MARYHILL MITCHELL ROAD WEST	MARYHILL	650	13.6	1	1300	50 Asset and Commercial	Rotational	5 Yearly	November 2019	Secondary Collector
71_625_600	37 ELGIN RD (WEST)	625	480	656 ENGLISH ACRE CREWE STREET WEST	LOOKOUT HILL	600	10.5	1	5600	50 Asset and Commercial	Rotational	5 Yearly	November 2019	Primary Collector
71_472_764	39 HELENSBURGH RD (CEN)	472	563	825 BALMACEV MAYFIELD CENTRAL	WAKARI 67	764	10	1	3700	50 Asset and Commercial	Core	Annual	November 2019	Primary Collector
71_472_30	39 HELENSBURGH RD (CEN)	472	0	65 WAKARI ROAD CENTENNIAL CENTRAL	WAKARI 67	30	8.2	1	1000	50 Asset and Commercial	Rotational	5 Yearly	November 2019	Secondary Collector
71_491_400	39 NAIRN ST (CEN)	491	374	488 KINSMAN STREET SHETLAND CENTRAL	KAIKORAI 6	400	11	1	1500	50 Asset and Commercial	Rotational	5 Yearly	November 2019	Secondary Collector
71_523_730	39 GILKISON ST (CEN)	523	653	763 #11 (SALMON) TAIERI ROAD CENTRAL	HALFWAY HILL	730	8	1	600	50 Asset and Commercial	Rotational	5 Yearly	November 2019	Access
71_432_3447	40 QUEENS DRIVE (CEN/NORTH)	432	3397	3550 CORRIE STREET DRIVERS ROAD NORTH	MAORI HILL	3447	8.6	1	5300	50 Asset and Commercial	Rotational	5 Yearly	November 2019	Primary Collector
71_494_44	40 SHETLAND ST (CEN)	494	0	86 WALTON STREET MARDALE STREET CENTRAL	LITTLEBOURNE	44	7	1	650	50 Asset and Commercial	Rotational	5 Yearly	November 2019	Access

71_2533_40	40 STUART ST - HIGHGATE RAMP (CEN)	2533	0	75 STUART ST HIGHGATE CENTRAL	ROSLYN 57	40	11	1	3400	50 Asset and Commercial	Rotational	5 Yearly	November 2019	Primary Collector
71_325_100	42 WOLSELEY ST (CEN)	325	71	122 VOGEL ST CUMBERLAND CENTRAL	OVALL 51	100	14.2	1	1500	50 Asset and Commercial	Rotational	5 Yearly	November 2019	Secondary Collector
71_2963_30	43 WARD ST OVERBRIDGE (CEN)	2963	0	62 WEST END EAST END CENTRAL	WATERFRONT	30	13.3	1	4000	50 Asset and Commercial	Core	Annual	November 2019	Arterial
71_417_281	44 ROYAL TERRACE (CEN/NORTH)	417	195	376 LOGAN ST COBDEN ST CENTRAL	CITY RISE 7	281	11.7	1	1650	50 Asset and Commercial	Rotational	5 Yearly	November 2019	Secondary Collector
71_380_265	45 RUSSELL ST (CEN)	380	194	417 ARTHUR ST BRAID RD CENTRAL	JUBILEE PARK	265	12.1	1	600	50 Asset and Commercial	Rotational	5 Yearly	November 2019	Access
71_233_670	47 DUNDAS ST (NORTH)	233	614	734 CLYDE ST FORTH ST NORTH	UNIVERSITY	670	13.6	1	4750	50 Asset and Commercial	Rotational	5 Yearly	November 2019	Primary Collector
71_114_660	48 BLACKS RD (NORTH)	114	589	717 SIGNAL HILL WARDEN ST NORTH	SIGNAL HILL	660	8	1	210	50 Asset and Commercial	Rotational	5 Yearly	November 2019	Access
71_255_100	49 WARRENDER ST (NORTH)	255	0	174 GEORGE ST QUEEN ST NORTH	NORTH DUNEDIN	100	11.7	1	6800	50 Asset and Commercial	Rotational	5 Yearly	November 2019	Primary Collector
71_177_85	50 FALKIRK ST (NORTH)	177	0	158 GLADSTONE ORBELL ST NORTH	DALMORE STREET	85	7.1	1	140	50 Asset and Commercial	Rotational	5 Yearly	November 2019	Access
71_1451_185	55 STATION RD (PC)	1451	167	232 FREYBERG, CONSTANT PORT CHAL SAWYERS EAST		185	7.5	1	2050	50 Asset and Commercial	Core	Annual	November 2019	Secondary Collector
71_1509_100	55 BRICK HILL RD (PC)	1509	0	217 TANNERY C PVT. DRIVE PORT CHAL SAWYERS EAST		100	6.7	1	350	50 Asset and Commercial	Rotational	5 Yearly	November 2019	Access
71_2809_218	57 MOANA ST (PC)	2809	178	454 POTO ST PLUCKY ST PORT CHAL ARAMOAN		218	4.9	1	200	50 Asset and Commercial	Rotational	5 Yearly	November 2019	Access
71_1810_6300	58 MT CARGILL RD (WC)	1810	3848	6388 MT KETTLE GREEN RD WAIK. COA MOUNT CA		6300	5.5	1	300	100 Asset and Commercial	Core	Annual	November 2019	Secondary Collector
71_1797_55	58 DONALDS HILL RD (WC)	1797	55	234 END OF SE/ START OF S WAIK. COA MOUNT CA		55	4.5	1	160	100 Asset and Commercial	Rotational	5 Yearly	November 2019	Access
71_1858_1205	61 BEACH ST (WC)	1858	825	1275 SCOTIA ST (ANNE STRE WAIK. COA WAIKOUAI		1205	6.8	1	900	50 Asset and Commercial	Rotational	5 Yearly	November 2019	Secondary Collector
71_2544_1396	61 EDINBURGH ST (WC)	2544	1354	1634 INVERARY DUNBARTON WAIK. COA WAIKOUAI		1396	6.5	1	220	50 Asset and Commercial	Rotational	5 Yearly	November 2019	Access
71_1588_50	10 PARK ST (MSI)	1588	0	121 GORDON R CHURCH ST MOSGIEL NORTH MC		50	13.5	1	750	50 Asset and Commercial	Rotational	5 Yearly	December 2019	Access
71_1643_40	15 BATH ST (SH)	1643	0	118 BRIGHTON COLE ST SADDLE HILL BRIGHTON		40	7.4	1	750	46 Asset and Commercial	Rotational	5 Yearly	December 2019	Access
71_1374_2188	21 MULFORD ST (GI)	1374	2139	2231 SAMSON ST MORTON S GREEN ISLAND CONCORD		2188	7.5	1	300	50 Asset and Commercial	Rotational	5 Yearly	December 2019	Access
71_4175_32	22 MAIN SOUTH RD (BRIGHTON TO WESTLAND) (GI)	4175	0	58 BRIGHTON WESTLAND GREEN ISLAND CONCORD		32	15	2	9050	50 Asset and Commercial	Rotational	5 Yearly	December 2019	Arterial
71_320_550	23 KING EDWARD ST (EAST)	320	499	626 LORNE ST MCBRIDE S EAST	HILLSIDE 23	550	13.4	2	10000	50 Asset and Commercial	Core	Annual	December 2019	Arterial
71_804_87	23 BAKER ST (EAST)	804	0	183 HILLSIDE R NEVILLE ST EAST	BATHGATE	87	11	1	470	50 Asset and Commercial	Rotational	5 Yearly	December 2019	Access
71_271_67	25 COLSTON ST (EAST)	271	0	121 ANDERSON TIMARU ST EAST	ANDERSON	67	13.2	1	1150	50 Asset and Commercial	Rotational	5 Yearly	December 2019	Secondary Collector
71_310_550	26 ANDERSONS BAY RD RIGHT (EAST)	310	381	624 HILLSIDE R MCBRIDE S EAST	SOUTH DUNEDIN	550	10.4	2	11000	50 Asset and Commercial	Core	Annual	December 2019	Arterial
71_1195_288	26 ANDERSONS BAY RD LEFT (EAST)	1195	172	382 STRATHALL ORARI ST EAST	SOUTH DUNEDIN	288	10.5	2	12000	50 Asset and Commercial	Rotational	5 Yearly	December 2019	Arterial
71_924_460	28 LARNACH RD (EAST)	924	307	534 LARNACH F CHALLIS ST EAST	WAVERLEY	460	9	1	3200	50 Asset and Commercial	Rotational	5 Yearly	December 2019	Primary Collector
71_734_403	32 DOVECOTE AVE (WEST)	734	0	479 MIDDLETON MIDDLETON WEST	KEW 34	403	7.3	1	200	50 Asset and Commercial	Rotational	5 Yearly	December 2019	Access
71_424_62	33 HIGHGATE (WEST/CEN/NORTH)	424	0	358 EPSILON ST ROSS ST WEST	ROSS ST AR	62	7.5	1	4200	50 Asset and Commercial	Core	Annual	December 2019	Primary Collector
71_674_276	36 HAYWOOD ST (WEST)	674	128	363 PATRICK ST GLEN RD WEST	THE GLEN 4	276	7.2	1	1900	50 Asset and Commercial	Rotational	5 Yearly	December 2019	Secondary Collector
71_553_1400	38 BROCKVILLE RD (CEN)	553	1313	1515 COCKERELL WRAY ST CENTRAL	BROCKVILL	1400	10.5	1	4600	Asset and Commercial	Core	Annual	December 2019	Primary Collector
71_476_1730	39 TAIERI RD (CEN)	476	1694	2112 WAKARI RD COLINSAY S CENTRAL	HALFWAY 1	1730	15.9	1	7000	50 Asset and Commercial	Rotational	5 Yearly	December 2019	Arterial
71_242_371	44 GEORGE ST (NORTH/CEN)	242	254	476 ST ANDREW HANOVER S CENTRAL	CITY RISE 7	371	12.2	2	9800	30 Asset and Commercial	Core	Annual	December 2019	Arterial
71_1920_300	3 HOYLAKES ST (TAI)	1920	239	358 LYNAS ST BEAUMARI TAIERI	OUTRAM 3	300	12.8	1	1000	50 Asset and Commercial	Core	Annual	February 2020	Primary Collector
71_1942_970	4 WINGATUI RD (TAI)	1942	726	1789 FACTORY R SOPER RD TAIERI	WINGATUI	970	6.3	1	1400	50 Asset and Commercial	Core	Annual	February 2020	Secondary Collector
71_1933_473	4 PUDDLE ALLEY - SOUTH (TAI)	1933	345	610 END OF W/ START BRICK TAIERI	WINGATUI	473	6.5	1		80 Asset and Commercial	Rotational	5 Yearly	February 2020	Arterial
71_1942_1904	4 WINGATUI RD (TAI)	1942	1789	2112 SOPER RD GLADSTONE TAIERI	WINGATUI	1904	6	1	1400	50 Asset and Commercial	Rotational	5 Yearly	February 2020	Secondary Collector
71_1880_200	5 GREY ST (TAI)	1880	71	236 SH. 1 DOUGLAS S TAIERI	ALLANTON	200	6.5	1	450	50 Asset and Commercial	Core	Annual	February 2020	Access
71_1872_119	5 DOUGLAS ST (TAI)	1872	0	233 STACK ST CAERNARVEN TAIERI	ALLANTON	119	7.2	1	150	50 Asset and Commercial	Rotational	5 Yearly	February 2020	Low Volume
71_1988_172	6 ALLANTON RD (TAI)	1988	0	1804 CENTRE RD NICHOLS R TAIERI	MOMONA	172	6.3	1	700	100 Asset and Commercial	Core	Annual	February 2020	Primary Collector
71_2224_5051	6 CENTRE RD (TAI)	2224	5005	6356 POPLAR RD MARSHALL TAIERI	MOMONA	5051	6.2	1	550	100 Asset and Commercial	Core	Annual	February 2020	Secondary Collector
71_1960_2168	7 RICCARTON RD - WEST (TAI)	1960	1419	2251 BUSH RD END BRIDGE TAIERI	EAST TAIERI	2168	6.7	1	1500	80 Asset and Commercial	Core	Annual	February 2020	Primary Collector
71_1903_2683	7 SILVERSTREAM VALLEY RD (TAI)	1903	0	3735 3 MILE HILL END OF SE/ TAIERI	TAIERI HILL	2683	6.8	1	170	100 Asset and Commercial	Rotational	5 Yearly	February 2020	Access
71_1900_811	8 THREE MILE HILL RD (TAI)	1900	805	2415 FLAGSTAFF SUBSTATION TAIERI	THREE MILE	811	6.8	1	4600	80 Asset and Commercial	Core	Annual	February 2020	Arterial
71_1562_94	10 HAGART ALEXANDER DR (MSI)	1562	0	40 GORDON R END OF ISLAND MOSGIEL NORTH MC		94	11.9	1	3900	50 Asset and Commercial	Core	Annual	February 2020	Primary Collector
71_1463_4189	18 BLACKHEAD RD (GI/SH)	1463	3456	4506 QUARRY END GREEN ISLAND SADDLE HILL BLACKHEAD		4189	6.7	1	1200	80 Asset and Commercial	Rotational	5 Yearly	February 2020	Primary Collector
71_878_4126	29 HIGHCLIFF RD (EAST/R+U)	878	3980	5925 CENTRE RD KARETAI RD EAST RURA HIGHCLIFF		4126	5.5	1	1100	80 Asset and Commercial	Core	Annual	February 2020	Primary Collector
71_898_6046	29 PORTOBELLO RD (EAST-EAST/R)	898	6009	6573 ST RONANS GLENFALLS EAST RURA MACANDREWS		6046	8.4	1	5400	50 Asset and Commercial	Core	Annual	February 2020	Arterial
71_878_14020	29 HIGHCLIFF RD (EAST/R+U)	878	12426	14466 WALKING T SEATON RD EAST RURA HIGHCLIFF		14020	5.5	1	250	70 Asset and Commercial	Rotational	5 Yearly	February 2020	Secondary Collector
71_541_2800	35 KAIKORAI VALLEY RD RIGHT (WEST)	541	2681	3159 BRYANT ST BARR ST WEST	KAIKORAI VALLEY	2800	8	1	4500	50 Asset and Commercial	Rotational	5 Yearly	February 2020	Arterial
71_541_3932	35 KAIKORAI VALLEY RD RIGHT (WEST)	541	3159	4017 BARR ST TOWNLEYS WEST	KAIKORAI VALLEY	3932	8.2	1	4700	50 Asset and Commercial	Rotational	5 Yearly	February 2020	Arterial
71_1201_2800	35 KAIKORAI VALLEY RD LEFT (CEN/WEST/G)	1201	2681	3159 BRYANT ST BARR ST WEST	KAIKORAI VALLEY	2800	8	1	4000	50 Asset and Commercial	Rotational	5 Yearly	February 2020	Arterial
71_1201_3930	35 KAIKORAI VALLEY RD LEFT (CEN/WEST/G)	1201	3159	4017 BARR ST TOWNLEYS WEST	KAIKORAI VALLEY	3930	8.2	1	5000	50 Asset and Commercial	Rotational	5 Yearly	February 2020	Arterial
71_1201_718	35 KAIKORAI VALLEY RD LEFT (CEN/WEST/G)	1201	695	932 HERMOND BROCKVILL WEST	KAIKORAI VALLEY	718	13.3	2	12000	50 Asset and Commercial	Rotational	5 Yearly	February 2020	Arterial
71_1201_1011	35 KAIKORAI VALLEY RD LEFT (CEN/WEST/G)	1201	932	1207 BROCKVILL MANCHESTER WEST	KAIKORAI VALLEY	1011	13.3	1	6000	50 Asset and Commercial	Rotational	5 Yearly	February 2020	Arterial
71_446_665	40 DRIVERS RD (NORTH)	446	523	754 TOLCARNE QUEENS DRIVE NORTH	MAORI HILL	665	10.2	1	5400	50 Asset and Commercial	Core	Annual	February 2020	Primary Collector
71_1201_90	40 KAIKORAI VALLEY RD LEFT (CEN/WEST/G)	1201	0	192 TAIERI RD MELLOR ST CENTRAL	ROSLYN 57	90	13.3	1	7900	50 Asset and Commercial	Rotational	5 Yearly	February 2020	Arterial
71_1201_250	40 KAIKORAI VALLEY RD LEFT (CEN/WEST/G)	1201	192	405 MELLOR ST GREENOCK CENTRAL	ROSLYN 57	250	13.3	2	12100	50 Asset and Commercial	Rotational	5 Yearly	February 2020	Arterial
71_1250_70	53 ADDERLEY TCE (NORTH)	1250	0	313 RAVENSBOROUGH TOTARA ST NORTH	RAVENSBOROUGH	70	7.1	1	1200	50 Asset and Commercial	Core	Annual	February 2020	Secondary Collector
71_35_882	54 BURKES DRIVE (NORTH)	35	835	1436 FINCH ST HUIA ST NORTH	ST LEONARD	882	5.7	1	400	50 Asset and Commercial	Core	Annual	February 2020	Access
71_1423_360	55 DISTRICT RD (PC)	1423	349	777 REEVES ST CLYDE ST PORT CHAL SAWYERS EAST		360	5.5	1	150	50 Asset and Commercial	Rotational	5 Yearly	February 2020	Low Volume
71_2614_318	56 GEORGE ST SH88 (PC)	2614	0	424 WICKLIFFE BEACH ST PORT CHAL CAREYS BAY		318	14	1	4000	50 Asset and Commercial	Core	Annual	February 2020	
71_1488_7500	57 ARAMOANA RD (PC)	1488	7460	8058 LAMP POST LAST HOUSE PORT CHAL ARAMOAN		7500	6.4	1	500	70 Asset and Commercial	Core	Annual	February 2020	Secondary Collector
71_1488_1350	57 ARAMOANA RD (PC)	1488	370	1384 PRIVATE C/ LEWIS ST PORT CHAL ARAMOAN		1350	5.8	1	550	70 Asset and Commercial	Rotational	5 Yearly	February 2020	Secondary Collector
71_1690_11619	60 COAST RD (WC)	1690	11531	12346 APES ROAD PARATA AV WAIK. COA KARITANE 4		11619	6.5	1	520	70 Asset and Commercial	Rotational	5 Yearly	February 2020	Secondary Collector
71_1860_100	61 DAME ST (WC)	1860	0	294 SH.1 COLLINS ST WAIK. COA WAIKOUAI		100	6	1	100	50 Asset and Commercial	Rotational	5 Yearly	February 2020	Low Volume
71_310_1100	26 ANDERSONS BAY RD RIGHT (EAST)	310	1081	1213 OXFORD ST ANDERSON EAST	SOUTH DUNEDIN	1100	10.4	2	8600	50 Asset and Commercial	Core	Annual	March 2020	Arterial
71_1195_1100	26 ANDERSONS BAY RD LEFT (EAST)	1195	1074	1206 TEVIOT ST ANDERSON EAST	SOUTH DUNEDIN	1100	9	2	9000	50 Asset and Commercial	Core	Annual	March 2020	Arterial
71_345_95	41 CARROLL ST (CEN)	345	0	126 PRINCES ST HOPE ST CENTRAL	MARKET REEVE	95	13.1	1	1000	50 Transportation Planning	Screenline	Annual	March 2020	Secondary Collector
71_360_135	41 STAFFORD ST (CEN)	360	0	246 PRINCES ST HOPE ST CENTRAL	MARKET REEVE	135	13.3	1	2550	50 Transportation Planning	Screenline	Annual	March 2020	Secondary Collector
71_314_458	42 CRAWFORD ST SH1 (CEN)	314	335	544 JERVOIS ST POLICE ST CENTRAL	OVALL 51	458	23.5	2	17500	50 Transportation Planning	Screenline	Annual	March 2020	
71_315_645	42 CUMBERLAND ST SH1 (CEN)	315	578	682 POLICE ST JERVOIS ST CENTRAL	OVALL 51	645	18	2	13850	50 Transportation Planning	Screenline	Annual	March 2020	

71_322_800	42 PRINCES ST (CEN/EAST)	322	748	938 CARROLL S' MANOR PL CENTRAL	OV	800	20.2	2	12000	50 Transportation Planning	Screenline	Annual	March	2020	Arterial
71_323_454	42 VOGEL ST (CEN)	323	385	532 POLICE ST JERVOIS ST CENTRAL	OV	454	12.5	1	900	50 Transportation Planning	Screenline	Annual	March	2020	Secondary Collector
71_4147_496	42 BOND ST - SOUTH (CEN)	4147	391	599 POLICE ST JERVOIS ST CENTRAL	OV	496	13.4	1	500	50 Transportation Planning	Screenline	Annual	March	2020	Access
71_2576_210	43 CUMBERLAND ST O/B - MAIN SPAN (CEN)	2576	165	215 WEST END EAST END (CENTRAL	HARBOUR I	210	8	2	12000	50 Transportation Planning	Screenline	Annual	March	2020	Arterial
71_328_723	44 CARGILL ST (CEN)	328	523	748 HADDON P FILLEUL ST CENTRAL	CITY RISE 7	723	13.5	1	1900	50 Transportation Planning	Screenline	Annual	March	2020	Secondary Collector
71_343_285	44 YORK PLACE (CEN)	343	238	429 SMITH ST STUART ST CENTRAL	CITY RISE 7	285	13	1	2200	50 Transportation Planning	Screenline	Annual	March	2020	Secondary Collector
71_416_570	44 LONDON ST (CEN)	416	482	665 SCOTLAND CONSTITUT CENTRAL	CITY RISE 7	570	7.3	1	4100	50 Transportation Planning	Screenline	Annual	March	2020	Primary Collector
71_1205_323	44 STUART ST LEFT (CEN)	1205	237	382 SMITH ST YORK PLAC CENTRAL	EXCHANGE	323	13.4	2	11500	50 Transportation Planning	Screenline	Annual	March	2020	Arterial
71_332_150	45 HIGH ST (CEN/WEST)	332	127	249 BROADWA' CLARK ST CENTRAL	JUBILEE PA	150	13.3	1	4000	50 Transportation Planning	Screenline	Annual	March	2020	Primary Collector
71_337_327	45 RATTRAY ST (CEN)	337	195	403 ARTHUR ST BROWN ST CENTRAL	JUBILEE PA	327	13.2	1	6600	50 Transportation Planning	Screenline	Annual	March	2020	Primary Collector
71_378_80	45 MACLAGGAN ST (CEN)	378	0	164 BROADWA CLARK ST CENTRAL	JUBILEE PA	80	12.9	1	5500	50 Transportation Planning	Screenline	Annual	March	2020	Primary Collector
71_2858_200	45 CANONGATE - LOWER (CEN)	2858	55	235 DUNCAN S' RATTRAY S' CENTRAL	JUBILEE PA	200	5	1	150	50 Transportation Planning	Screenline	Annual	March	2020	Low Volume
71_405_515	46 HANOVER ST (NORTH/CEN)	405	486	607 CASTLE ST LEITH ST NORTH	CITY CENTR	515	13.4	1	4200	50 Transportation Planning	Screenline	Annual	March	2020	Primary Collector
71_2612_179	46 ST ANDREW ST SH88 (NORTH)	2612	122	273 CASTLE ST ANZAC AVE NORTH	CITY CENTR	179	13.5	1	7500	50 Transportation Planning	Screenline	Annual	March	2020	
71_2662_131	46 ANZAC AVE- SH88 R50/0.27 - OFF (NORTH)	2662	0	290 ST ANDREV CASTLE ST - NORTH	CITY CENTR	131	14	1	3800	50 Transportation Planning	Screenline	Annual	March	2020	Primary Collector
71_216_410	47 FREDERICK ST (NORTH)	216	365	486 CASTLE ST LEITH ST NORTH	UNIVERSIT	410	13.4	1	7500	50 Transportation Planning	Screenline	Annual	March	2020	Arterial
71_240_1164	47 CUMBERLAND ST NORTH SH1 (CEN)	240	1078	1300 UNION ST \ ALBANY ST NORTH	UNIVERSIT	1164	13.5	2	12500	50 Transportation Planning	Screenline	Annual	March	2020	
71_242_1000	47 GEORGE ST (NORTH/CEN)	242	919	1141 ALBANY ST UNION ST \ NORTH	MUSEUM 7	1000	13.1	2	8500	50 Transportation Planning	Screenline	Annual	March	2020	Arterial
71_268_100	47 PITT ST (NORTH)	268	0	171 GEORGE ST QUEEN ST NORTH	MUSEUM 7	100	13.9	1	5100	50 Transportation Planning	Screenline	Annual	March	2020	Arterial
71_1237_120	47 GREAT KING ST NTH SH1 (NORTH)	1237	0	222 ALBANY ST UNION ST \ NORTH	MUSEUM 7	120	13.2	2	12500	50 Transportation Planning	Screenline	Annual	March	2020	
71_213_810	47 CLYDE ST (NORTH)	213	673	901 ST DAVID S DUNDAS ST NORTH	UNIVERSIT	810	10.5	1	2750	50 Asset and Commercial	Rotational	5 Yearly	March	2020	Secondary Collector
71_100_1534	50 NORTH RD (NORTH)	100	1494	1783 ARNOLD ST MONTAGU NORTH	NORMANB	1534	14.2	1	5200	50 Transportation Planning	Core	Annual	March	2020	Arterial
71_211_331	47 ALBANY ST (NORTH)	211	241	362 CUMBERLA ETHEL BEN. NORTH	UNIVERSIT	331	13.2	1	7000	50 Transportation Planning	Screenline	Annual	March	2020	Arterial
71_2225_150	9 SEVERN ST (MSI)	2225	0	304 CENTRE ST CHERRY DR MOSGIEL	AERO 89	150	7.5	1	700	50 Asset and Commercial	Rotational	5 Yearly	April	2020	Access
71_1492_142	12 AYR ST (MSI)	1492	101	202 IRVINE ST FORFAR ST MOSGIEL	SOUTH MC	142	9.3	1	1150	50 Asset and Commercial	Rotational	5 Yearly	April	2020	Secondary Collector
71_1568_100	17 DELTA DRIVE (SH)	1568	0	201 VULCAN RE VALIANT R SADDLE HIL WALDRON		100	8.2	1	265	50 Asset and Commercial	Rotational	5 Yearly	April	2020	Access
71_1287_360	21 MAIN SOUTH RD (GI)	1287	160	570 FOOTPATH STEVENSON GREEN ISLA	CONCORD I	360	4.7	1	1150	50 Asset and Commercial	Rotational	5 Yearly	April	2020	Secondary Collector
71_1468_125	22 CARNFORTH ST (GI)	1468	0	202 MAIN SOUT' NEILL ST IN GREEN ISLA	GREEN ISLA	125	9.9	1	2250	50 Asset and Commercial	Rotational	5 Yearly	April	2020	Secondary Collector
71_811_700	23 HILLSIDE RD (EAST)	811	613	752 REID RD CUTTEN ST EAST	HILLSIDE 2	700	14.2	2	14300	50 Asset and Commercial	Rotational	5 Yearly	April	2020	Arterial
71_878_1250	28 HIGHCLIFF RD (EAST/R+U)	878	1101	1873 AYTOUN ST MCKERROV EAST	WAYERLEY	1250	9.3	1	1700	50 Asset and Commercial	Rotational	5 Yearly	April	2020	Primary Collector
71_998_3275	29 HARINGTON POINT RD (EAST/R)	998	3104	4435 TIDEWATER LEWIS RD EAST RURA HIGHCLIFF		3275	9	1	600	70 Asset and Commercial	Core	Annual	April	2020	Primary Collector
71_878_14925	29 HIGHCLIFF RD (EAST/R+U)	878	14466	15200 SEATON RE RIDLEY RD EAST RURA PORTOBELI		14925	5.5	1	300	50 Asset and Commercial	Rotational	5 Yearly	April	2020	Secondary Collector
71_1335_260	30 CHURCHILL ST (STK)	1335	240	317 YOUNG ST BAY VIEW FST KILDA	KETTLE PAF	260	12.5	1	330	50 Asset and Commercial	Rotational	5 Yearly	April	2020	Access
71_390_850	33 KENMURE RD (WEST)	390	826	1017 KENMURE HAWTHOR WEST	BELLEKNOW	850	11.3	1	7100	50 Asset and Commercial	Rotational	5 Yearly	April	2020	Primary Collector
71_672_980	36 GLEN RD (WEST)	672	930	1049 NEIDPATH GLENPARK WEST	THE GLEN 4	980	8.4	1	2650	50 Asset and Commercial	Rotational	5 Yearly	April	2020	Primary Collector
71_477_85	39 WAIROA ST (CEN)	477	0	150 DEAN ST FIFE ST CENTRAL	KAIKORAI 6	85	7.4	1	510	50 Asset and Commercial	Rotational	5 Yearly	April	2020	Access
71_455_300	40 PILKINGTON ST (NORTH)	455	223	401 PASSMORE CANNINGT' NORTH	MAORI HIL	300	10	1	800	50 Asset and Commercial	Rotational	5 Yearly	April	2020	Access
71_352_130	41 MAITLAND ST (CEN)	352	0	238 PRINCES ST JONES ST CENTRAL	MARKET RE	130	12.7	1	1000	50 Asset and Commercial	Rotational	5 Yearly	April	2020	Secondary Collector
71_2576_140	43 CUMBERLAND ST O/B - MAIN SPAN (CEN)	2576	55	165 WEST ABU' WEST END CENTRAL	HARBOUR I	140	10	2	8500	50 Asset and Commercial	Rotational	5 Yearly	April	2020	Arterial
71_335_176	44 MORAY PLACE (CEN)	335	133	266 VIEW ST STUART ST CENTRAL	EXCHANGE	176	13.5	1	5300	50 Asset and Commercial	Rotational	5 Yearly	April	2020	Arterial
71_335_900	44 MORAY PLACE (CEN)	335	801	1002 STUART ST BURLINGT' CENTRAL	EXCHANGE	900	13.5	1	4800	50 Asset and Commercial	Rotational	5 Yearly	April	2020	Arterial
71_62_150	48 EVANS ST (NORTH)	62	116	290 WINDSOR S' ROXBURGH' NORTH	OPOHO 82	150	7.9	1	550	50 Asset and Commercial	Core	Annual	April	2020	Access
71_100_388	50 NORTH RD (NORTH)	100	371	572 GLENDININ CRAIGLEITH NORTH	DALMORE I	388	13.7	2	11500	50 Asset and Commercial	Core	Annual	April	2020	Arterial
71_163_65	51 MALVERN ST (NORTH)	163	0	184 TRACK LHS WOODHAU NORTH	LEITH VALL	65	14.4	1	2950	50 Asset and Commercial	Core	Annual	April	2020	Secondary Collector
71_2226_150	9 RENTONS RD (MSI)	2226	105	219 THAMES ST FACTORY R MOSGIEL	AERO 89	150	11.7	1	950	50 Asset and Commercial	Rotational	5 Yearly	May	2020	Access
71_1610_131	12 BUSH RD (MSI/TAI)	1610	0	202 GORDON R FORFAR ST MOSGIEL	SOUTH MC	131	11.3	1	4700	50 Asset and Commercial	Core	Annual	May	2020	Primary Collector
71_1498_250	12 MURE ST (MSI)	1498	203	306 FORFAR ST ARGYLE ST MOSGIEL	SOUTH MC	250	10.1	1	300	50 Asset and Commercial	Rotational	5 Yearly	May	2020	Access
71_1591_26	13 WALTON PARK AVE (SH)	1591	0	138 OLD BRIGH EDITH ST SADDLE HIL KAIKORAI L		26	9.8	1	1650	50 Asset and Commercial	Core	Annual	May	2020	Secondary Collector
71_1626_9263	15 BRIGHTON RD (SH)	1626	9222	9344 TAYLOR ST PEARSE ST SADDLE HIL BRIGHTON		9263	9.5	1	1300	50 Asset and Commercial	Core	Annual	May	2020	Primary Collector
71_1566_625	17 VISCOUNT RD (SH)	1566	531	684 CANBERRA BRIGHTON SADDLE HIL WALDRON		625	10.1	1	480	50 Asset and Commercial	Rotational	5 Yearly	May	2020	Access
71_1467_170	19 ABBOTSFORD RD (GI)	1467	100	190 START OF F' WALDRON GREEN ISLA ABBOTSFORD		170	9.3	1	4200	50 Asset and Commercial	Core	Annual	May	2020	Primary Collector
71_1287_3100	22 MAIN SOUTH RD (GI)	1287	3057	3176 JENKINS ST HOWDEN S GREEN ISLA GREEN ISLA		3100	14.2	1	7200	50 Asset and Commercial	Core	Annual	May	2020	Arterial
71_1394_40	22 POTTINGER ST (GI)	1394	0	119 MAIN SOUT' WATSON S' GREEN ISLA GREEN ISLA		40	8.2	1	250	50 Asset and Commercial	Rotational	5 Yearly	May	2020	Access
71_812_69	23 JOSEPHINE ST (EAST)	812	0	123 HILLSIDE RI ALFRED ST EAST	BATHGATE	69	5.7	1	200	50 Asset and Commercial	Rotational	5 Yearly	May	2020	Access
71_1208_700	25 PORTSMOUTH DRIVE LEFT (EAST)	1208	600	852 MIDLAND S' TEVIOT ST EAST	ANDERSON	700	8.4	2	10000	60 Asset and Commercial	Core	Annual	May	2020	Arterial
71_898_130	25 PORTOBELLO RD (EAST-EAST/R)	898	0	371 SHORE STR MARNE ST EAST	ANDERSON	130	7.5	2	6800	50 Asset and Commercial	Core	5 Yearly	May	2020	Arterial
71_322_1635	26 PRINCES ST (CEN/EAST)	322	1580	1843 SOUTH RD ARDMORE EAST	SOUTH DUI	1635	15.8	2	10800	50 Asset and Commercial	Rotational	5 Yearly	May	2020	Arterial
71_867_41	27 TAHUNA RD (EAST)	867	0	295 CRANLEY S' CAVELL ST EAST	TAINUI 11	41	9.8	1	2400	50 Asset and Commercial	Rotational	5 Yearly	May	2020	Primary Collector
71_885_563	28 SOMERVILLE ST (EAST)	885	468	685 EVERY ST DUNROBIN EAST	WAYERLEY	563	7.3	1	2700	50 Asset and Commercial	Rotational	5 Yearly	May	2020	Secondary Collector
71_936_100	28 AYTOUN ST (EAST)	936	0	196 HIGHCLIFF BEVERLEY FEAST	WAYERLEY	100	8.1	1	150	50 Asset and Commercial	Rotational	5 Yearly	May	2020	Low Volume
71_878_2468	29 HIGHCLIFF RD (EAST/R+U)	878	2375	3980 HILTON RD CENTRE RD EAST RURA HIGHCLIFF		2468	7	1	1100	80 Asset and Commercial	Rotational	5 Yearly	May	2020	Primary Collector
71_1254_500	30 PRINCE ALBERT RD (STK)	1254	477	557 COUNCIL S' DOUGLAS S ST KILDA	KETTLE PAF	500	12.2	1	4200	50 Asset and Commercial	Core	Annual	May	2020	Primary Collector
71_754_80	31 COLUMBA AVE (WEST)	754	0	139 RISELAW R COLUMBA WEST	CALTON HI	80	7.4	1	540	50 Asset and Commercial	Rotational	5 Yearly	May	2020	Access
71_738_110	32 STENHOPE CRESCENT (WEST)	738	0	312 MIDDLETO AVONDALE WEST	KEW 34	110	7.5	1	405	50 Asset and Commercial	Rotational	5 Yearly	May	2020	Access
71_682_93	34 ARGYLE ST (WEST)	682	0	217 GLENPARK WHITBY ST WEST	MORNINGT	93	5.8	1	1800	50 Asset and Commercial	Rotational	5 Yearly	May	2020	Secondary Collector
71_541_2250	35 KAIKORAI VALLEY RD RIGHT (WEST)	541	2220	2681 SALISBURY BRYANT ST WEST	KAIKORAI V	2250	8	1	5000	50 Asset and Commercial	Core	Annual	May	2020	Arterial
71_1201_2300	35 KAIKORAI VALLEY RD LEFT (CEN/WEST/G	1201	2220	2681 SALISBURY BRYANT ST WEST	KAIKORAI V	2300	8	1	4500	50 Asset and Commercial	Core	Annual	May	2020	Arterial
71_658_520	36 NEIDPATH RD (WEST)	658	480	595 DALRY ST GLEN RD WEST	THE GLEN 4	520	10.8	1	800	50 Asset and Commercial	Rotational	5 Yearly	May	2020	Access
71_632_125	37 MORNINGTON RD (WEST)	632	0	205 ELGIN RD DORSET ST WEST	LOOKOUT I	125	10.6	1	4200	50 Asset and Commercial	Rotational	5 Yearly	May	2020	Primary Collector
71_476_301	39 TAIERI RD (CEN)	476	172	367 NAIRN ST WAIROA ST CENTRAL	KAIKORAI 6	301	14.9	2	10000	50 Asset and Commercial	Core	Annual	May	2020	Arterial
71_436_1380	39 BALMACEWEN RD (CEN/NORTH)	436	1309	1489 LYNN ST HELENSBUR' CENTRAL	WAKARI 67	1380	11.2	1	3750	50 Asset and Commercial	Rotational	5 Yearly	May	2020	Primary Collector

71_494_1100	39 SHETLAND ST (CEN)	494	957	1230 FORRESBAY HELENSBURGH CENTRAL	KAIKORAI EAST	1100	7.4	1	775	50 Asset and Commercial	Rotational	5 Yearly	May	2020	Access
71_424_1813	40 HIGHGATE (WEST/CEN/NORTH)	424	1768	1858 DUNBLANE FAIRFAX ST NORTH	MAORI HILLS	1813	11.2	1	8600	50 Asset and Commercial	Core	Annual	May	2020	Arterial
71_424_1492	40 HIGHGATE (WEST/CEN/NORTH)	424	1448	1545 MERLIN ST GARFIELD A CENTRAL	LITTLEBOURNE	1492	12	1	9000	50 Asset and Commercial	Rotational	5 Yearly	May	2020	Arterial
71_582_160	40 KILGOUR ST (CEN)	582	0	245 LEVEN ST HIGHGATE CENTRAL	ROSLYN 57	160	5.7	1	110	50 Asset and Commercial	Rotational	5 Yearly	May	2020	Low Volume
71_284_76	43 ROBERTS ST (CEN)	284	0	185 BIRCH ST FRENCH ST CENTRAL	HARBOUR 1	76	14	1	360	50 Asset and Commercial	Rotational	5 Yearly	May	2020	Secondary Collector
71_304_450	43 WILLIS ST (CEN)	304	347	557 TEWSLEY S FRYATT ST CENTRAL	HARBOUR 1	450	17.4	1	500	50 Asset and Commercial	Rotational	5 Yearly	May	2020	Secondary Collector
71_338_82	44 SMITH ST (CEN)	338	0	133 YORK PLAC STUART ST CENTRAL	CITY RISE 7	82	13.3	1	4000	50 Asset and Commercial	Rotational	5 Yearly	May	2020	Primary Collector
71_1205_450	44 STUART ST LEFT (CEN)	1205	382	483 YORK PLAC CARGILL ST CENTRAL	EXCHANGE	450	13.4	2	12300	50 Asset and Commercial	Rotational	5 Yearly	May	2020	Arterial
71_371_80	45 BROWN ST (CEN)	371	0	103 RATTRAY S ELM ROW CENTRAL	JUBILEE PA	80	9.2	1	800	50 Asset and Commercial	Rotational	5 Yearly	May	2020	Access
71_222_320	46 LEITH ST (NORTH)	222	224	450 HANOVER S FREDERICK NORTH	CITY CENTRE	320	14.2	1	1200	50 Asset and Commercial	Core	Annual	May	2020	Secondary Collector
71_230_50	47 BROOK ST (NORTH)	230	0	135 CASTLE ST LEITH ST N NORTH	UNIVERSITY	50	13.3	1	625	50 Asset and Commercial	Rotational	5 Yearly	May	2020	Access
71_72_80	48 MECHANIC ST (NORTH)	72	0	421 NORTH RD MAYBANK S NORTH	OPOHO 82	80	14.8	1	280	50 Asset and Commercial	Rotational	5 Yearly	May	2020	Access
71_90_135	50 CARR ST (NORTH)	90	0	175 NORTH RD PARIS ST NORTH	NORMANBY	135	13.7	1	390	50 Asset and Commercial	Rotational	5 Yearly	May	2020	Access
71_181_1100	50 GLADSTONE RD (NORTH)	181	1029	1289 FORTUNE S PINE HILL R NORTH	DALMORE 1	1100	7.3	1	150	50 Asset and Commercial	Rotational	5 Yearly	May	2020	Access
71_198_200	52 HISLOP ST (NORTH)	198	139	324 ALLENBY A PINE HILL R NORTH	PINE HILL 8	200	7.3	1	330	50 Asset and Commercial	Rotational	5 Yearly	May	2020	Access
71_2229_50	9 CENTRE ST (MSI)	2229	0	113 FACTORY R THAMES ST MOSGIEL	AERO 89	50	9.8	1	900	50 Asset and Commercial	Rotational	5 Yearly	June	2020	Secondary Collector
71_1527_114	11 KINMONT CRES (MSI)	1527	0	152 CLYDE ST GEBBIE ST MOSGIEL	EAST MOSGIEL	114	9.3	1	700	50 Asset and Commercial	Core	Annual	June	2020	Access
71_1612_290	12 PERTH ST (MSI)	1612	0	508 BUSH RD BROWN ST MOSGIEL	SOUTH MOSGIEL	290	8	1	250	50 Asset and Commercial	Rotational	5 Yearly	June	2020	Access
71_1643_180	15 BATH ST (SH)	1643	118	227 COLE ST QUEEN ST SADDLE HILL BRIGHTON		180	7.4	1	600	50 Asset and Commercial	Rotational	5 Yearly	June	2020	Access
71_2194_80	19 ABBOTTS HILL RD (GI/SH)	2194	0	246 NORTH TAI MCMEAKIN GREEN ISLAND ABBOTTSFOOT		80	5.6	1	200	50 Asset and Commercial	Rotational	5 Yearly	June	2020	Secondary Collector
71_1387_100	22 BURGESS ST (GI)	1387	0	187 BRIGHTON JENSEN ST GREEN ISLAND GREEN ISLAND		100	8	1	350	50 Asset and Commercial	Rotational	5 Yearly	June	2020	Access
71_793_54	23 DICK ST (EAST)	793	0	131 MACANDRILL MELBOURNE EAST	TONGA PAKE	54	7.9	1	210	50 Asset and Commercial	Rotational	5 Yearly	June	2020	Access
71_810_304	23 HELENA ST (EAST)	810	0	408 HILLSIDE RILL MACANDRILL EAST	BATHGATE	304	15.2	1	1750	50 Asset and Commercial	Rotational	5 Yearly	June	2020	Secondary Collector
71_359_1700	24 SOUTH RD (WEST/EAST)	359	1667	1775 DAVID ST PLAYFAIR S EAST	CAVERSHALL	1700	13.5	2	11000	50 Asset and Commercial	Core	Annual	June	2020	Arterial
71_765_303	24 DAVID ST (EAST)	765	195	415 THORN ST SOUTH RD EAST	CAVERSHALL	303	11.3	1	8000	50 Asset and Commercial	Rotational	5 Yearly	June	2020	Arterial
71_275_700	25 PORTSMOUTH DRIVE RIGHT (EAST)	275	600	862 MIDLAND S TEVIOT ST EAST	ANDERSON	700	7.5	2	9500	60 Asset and Commercial	Core	Annual	June	2020	Arterial
71_275_150	25 PORTSMOUTH DRIVE RIGHT (EAST)	275	0	215 STRATHALL ORARI ST EAST	ANDERSON	150	7.8	2	12500	60 Asset and Commercial	Rotational	5 Yearly	June	2020	Arterial
71_1195_550	26 ANDERSONS BAY RD LEFT (EAST)	1195	382	623 ORARI ST MCBRIDE S EAST	SOUTH DUNEDIN	550	10.5	2	10000	50 Asset and Commercial	Core	Annual	June	2020	Arterial
71_313_47	26 BRIDGMAN ST (EAST)	313	0	433 KING EDWARD GROVES NORTH EAST	SOUTH DUNEDIN	47	13.1	1	1200	50 Asset and Commercial	Rotational	5 Yearly	June	2020	Secondary Collector
71_865_56	27 NORMAN ST (EAST)	865	0	102 DUNDONA SPOTTISWOOD EAST	TAIRUA 11	56	8.1	1	410	50 Asset and Commercial	Rotational	5 Yearly	June	2020	Access
71_896_169	28 MARNE ST (EAST)	896	0	349 PORTOBELLO LARNACH F EAST	WAVERLEY	169	7.9	2	7400	50 Asset and Commercial	Core	Annual	June	2020	Primary Collector
71_885_1770	28 SOMERVILLE ST (EAST)	885	1510	1813 PORTLAND HIGHCLIFFE EAST	WAVERLEY	1770	10.3	1	900	50 Asset and Commercial	Rotational	5 Yearly	June	2020	Access
71_878_9000	29 HIGHCLIFF RD (EAST/R+U)	878	8585	9463 CAMP RD SEAL POINT EAST RURA HIGHCLIFFE		9000	5.5	1	450	70 Asset and Commercial	Rotational	5 Yearly	June	2020	Secondary Collector
71_1190_2100	30 VICTORIA RD (STK)	1190	2048	2244 CULLING ST AULD ST ST KILDA	TAHUNA 7	2100	22.2	1	3700	50 Asset and Commercial	Rotational	5 Yearly	June	2020	Primary Collector
71_1355_1120	30 RICHARDSON ST (STK)	1355	1076	1163 MILLS ST AJAX ST ST KILDA	KETTLE PAKE	1120	11.3	1	2000	50 Asset and Commercial	Rotational	5 Yearly	June	2020	Secondary Collector
71_720_253	32 FORBURY RD (WEST)	720	85	396 SUSSEX ST MACANDRILL WEST	KEW 34	253	13.6	2	9500	50 Asset and Commercial	Core	Annual	June	2020	Arterial
71_751_331	32 SKIBO ST (WEST)	751	130	438 MURRAY S DORNOC WEST	KEW 34	331	6.6	1	300	50 Asset and Commercial	Rotational	5 Yearly	June	2020	Access
71_561_290	38 GLENROSS ST (CEN)	561	0	792 BROCKVILL COLQUHOUN CENTRAL	BROCKVILL	290	8.2	1	400	50 Asset and Commercial	Rotational	5 Yearly	June	2020	Access
71_298_200	43 STURDEE ST (CEN)	298	144	289 DEVON ST BAUCHOP S CENTRAL	WATERFRONT	200	13.4	1	400	50 Asset and Commercial	Core	Annual	June	2020	Secondary Collector
71_334_50	44 LIVERPOOL ST (CEN)	334	0	71 PRINCES ST BOND ST CENTRAL	EXCHANGE	50	13.6	1	700	50 Asset and Commercial	Rotational	5 Yearly	June	2020	Access
71_343_905	45 YORK PLACE (CEN)	343	755	1075 RATTRAY S DUNCAN S CENTRAL	JUBILEE PA	905	13.5	1	420	50 Asset and Commercial	Rotational	5 Yearly	June	2020	Access
71_228_50	47 UNION ST EAST (NORTH)	228	0	123 CLYDE ST FORTH ST NORTH	UNIVERSITY	50	13.5	1	3100	50 Asset and Commercial	Rotational	5 Yearly	June	2020	Primary Collector
71_154_316	49 DUKE ST (NORTH)	154	258	376 GREAT KING GEORGE ST NORTH	NORTH DUNEDIN	316	13.5	1	2800	50 Asset and Commercial	Rotational	5 Yearly	June	2020	Secondary Collector
71_176_50	50 DOLPHIN ST (NORTH)	176	0	100 BANK ST GLENCAIRN NORTH	DALMORE 1	50	7.8	1	1100	50 Asset and Commercial	Rotational	5 Yearly	June	2020	Secondary Collector
71_207_60	52 TENSING ST (NORTH)	207	0	86 HILLARY ST EGMONT S NORTH	PINE HILL 8	60	8	1	220	50 Asset and Commercial	Rotational	5 Yearly	June	2020	Access
71_2911_1644	9 DUKES RD - NORTH (TAI)	2911				1644		1	1300	80 Asset and Commercial	Rotational	5 Yearly	July	2020	
71_2643_50	20 MCLEODS ROAD (GI)	2643	0	250 KAIKORAI VALLEY RAILWAY T GREEN ISLAND ABBOTTSFOOT		50	7.5	1	215	50 Asset and Commercial	Rotational	5 Yearly	July	2020	Access
71_820_100	23 RICHMOND ST (EAST)	820	0	204 HILLSIDE RILL NICHOLSON EAST	BATHGATE	100	8.3	1	490	50 Asset and Commercial	Rotational	5 Yearly	July	2020	Access
71_932_425	28 SHANDON RD (EAST)	932	302	490 KENILWORTH LARNACH F EAST	WAVERLEY	425	5.5	1	310	50 Asset and Commercial	Rotational	5 Yearly	July	2020	Access
71_898_9443	29 PORTOBELLO RD (EAST-EAST/R)	898	9220	9625 CASTLEWOOD RAYNBIRD S EAST RURA MACANDRILL		9443	8.4	1	2700	50 Asset and Commercial	Rotational	5 Yearly	July	2020	Arterial
71_1339_700	30 ROYAL CRESCENT (STK)	1339	666	862 GOURLEY S MUSSELBURN ST KILDA	TAHUNA 7	700	9.7	1	1800	50 Asset and Commercial	Rotational	5 Yearly	July	2020	Secondary Collector
71_732_693	32 CORSTORPHINE RD (WEST)	732	683	826 RISELAW R CLERMISTON WEST	KEW 34	693	11.1	1	2500	50 Asset and Commercial	Rotational	5 Yearly	July	2020	Primary Collector
71_666_295	36 VENTNOR ST (WEST)	666	0	359 ELGIN RD SPRINGHILL WEST	MARYHILL 1	295	4.3	1	185	50 Asset and Commercial	Rotational	5 Yearly	July	2020	Low Volume
71_572_140	38 WRAY ST (CEN)	572	0	231 BROCKVILL HERRON ST CENTRAL	BROCKVILL	140	10.5	1	700	50 Asset and Commercial	Rotational	5 Yearly	July	2020	Access
71_485_120	39 GILMORE ST (CEN)	485	0	222 TAIERI RD BERESFORD CENTRAL	KAIKORAI EAST	120	5.7	1	400	50 Asset and Commercial	Rotational	5 Yearly	July	2020	Access
71_421_80	40 DUNBLANE ST (NORTH)	421	0	132 HIGHGATE SARGOOD S NORTH	MAORI HILLS	80	6.6	1	200	50 Asset and Commercial	Rotational	5 Yearly	July	2020	Access
71_317_127	42 GORDON ST (CEN)	317	120	172 VOGEL ST CUMBERLAND CENTRAL	OVALL 51	127	13.3	1	1700	50 Asset and Commercial	Rotational	5 Yearly	July	2020	Primary Collector
71_263_275	44 GREAT KING ST (CEN/NORTH)	263	186	408 ST ANDREW HANOVER S CENTRAL	CITY RISE 7	275	12.9	1	5500	30 Asset and Commercial	Rotational	5 Yearly	July	2020	Arterial
71_406_250	44 ST ANDREW ST (CEN)	406	241	362 GREAT KING CUMBERLAND CENTRAL	CITY RISE 7	250	14	2	8500	30 Asset and Commercial	Rotational	5 Yearly	July	2020	Arterial
71_371_262	45 BROWN ST (CEN)	371	223	333 DUNCAN S CANONGATE CENTRAL	JUBILEE PA	262	13.7	1	600	50 Asset and Commercial	Rotational	5 Yearly	July	2020	Access
71_65_80	48 GLENDINING AVE (NORTH)	65	0	422 NORTH RD ARDEN ST NORTH	OPOHO 82	80	7.5	1	350	50 Asset and Commercial	Rotational	5 Yearly	July	2020	Access
71_101_75	50 NORTHUMBERLAND ST (NORTH)	101	0	122 NORTH RD PARIS ST NORTH	NORMANBY	75	13.3	1	300	50 Asset and Commercial	Rotational	5 Yearly	July	2020	Access
71_1934_280	4 GLADSTONE RD NORTH (TAI)	1934	0	560 PUDDLE AL MAGAZINE TAIERI	WINGATUI	280	7.3	1	670	70 Asset and Commercial	Core	Annual	August	2020	Secondary Collector
71_1939_1880	4 FACTORY RD (TAI)	1939	1794	1973 CALEDONIA CENTRE ST TAIERI	WINGATUI	1880	13	1	3800	50 Asset and Commercial	Core	Annual	August	2020	Arterial
71_1942_55	4 WINGATUI RD (TAI)	1942	38	350 END BRIDGE RUTHERFORD TAIERI	WINGATUI	55	6.5	1	900	50 Asset and Commercial	Rotational	5 Yearly	August	2020	Secondary Collector
71_1968_1657	7 GORDON RD (TAI)	1968	1025	2450 SCHOOL RE DUKES RD TAIERI	NORTH TAI	1657	5.4	1	880	80 Asset and Commercial	Core	Annual	August	2020	Secondary Collector
71_1944_2744	7 GEORGE KING MEMORIAL DRIVE (ST/TAI)	1944	0	4550 SH. 87 CRAIGLEA F TAIERI	TAIERI HILLS	2744	6.5	1	150	100 Asset and Commercial	Rotational	5 Yearly	August	2020	Secondary Collector
71_1961_922	7 DUKES RD - NORTH EXTN (TAI)	1961	0	806 PUDDLE AL MILNERS R TAIERI	WINGATUI	922	8	1	3500	80 Asset and Commercial	Rotational	5 Yearly	August	2020	Arterial
71_1673_400	12 GOODALL ST (MSI)	1673	339	747 ESK PL BRAEMAR S MOSGIEL	SOUTH MOSGIEL	400	8.6	1	250	50 Asset and Commercial	Rotational	5 Yearly	August	2020	Access
71_1348_1187	21 EMERSON ST (GI)	1348	1113	1230 MULFORD S MAIN SOUTH GREEN ISLAND CONCORD		1187	9	1	2500	50 Asset and Commercial	Core	Annual	August	2020	Secondary Collector
71_797_1050	23 MACANDREW RD (EAST)	797	1019	1285 KIRKCALDY LOYALTY STREET	BATHGATE	1050	11	2	6500	50 Asset and Commercial	Rotational	5 Yearly	August	2020	Primary Collector

71_859_50	27 JOHN WILSON OCEAN DRIVE (EAST)	859	0	195 VICTORIA F KERB PROT EAST	TAINUI 11	50	15	1	3000	49 Asset and Commercial	Rotational	5 Yearly	August	2020	Secondary Collector	
71_946_2000	29 CENTRE RD (EAST/R)	946	1820	2885 CULVERT 5 HIGHCLIFF	EAST RURA HIGHCLIFF	2000	6.5	1	300	80 Asset and Commercial	Rotational	5 Yearly	August	2020	Secondary Collector	
71_1319_520	30 YOUNG ST (STK)	1319	483	585 AJAX ST	PRINCE ALE ST KILDA	KETTLE PA	520	9.2	1	400	50 Asset and Commercial	Rotational	5 Yearly	August	2020	Access
71_736_1604	32 MIDDLETON RD (WEST)	736	1437	1782 CORSTORP	STENHOPE WEST	KEW 34	1604	8.6	1	3250	50 Asset and Commercial	Rotational	5 Yearly	August	2020	Primary Collector
71_629_50	36 MARYHILL TERRACE (WEST)	629	0	115 LECKHAMP	AVOCA STR WEST	MARYHILL	50	5.6	1	300	50 Asset and Commercial	Rotational	5 Yearly	August	2020	Access
71_490_50	39 MOUNT ST (CEN)	490	0	111 SHETLAND	HASTINGS CENTRAL	KAIKORAI E	50	7.5	1	425	50 Asset and Commercial	Rotational	5 Yearly	August	2020	Access
71_588_230	40 ROSS ST (WEST/CEN)	588	0	344 CITY RD	LAWSON S CENTRAL	ROSLYN 57	230	11.8	1	1800	50 Asset and Commercial	Rotational	5 Yearly	August	2020	Secondary Collector
71_281_40	43 BULLER ST (CEN)	281	0	114 BIRCH ST	WHITE ST CENTRAL	HARBOUR I	40	13.5	1	180	50 Asset and Commercial	Rotational	5 Yearly	August	2020	Secondary Collector
71_299_240	43 TEWSLEY ST (CEN)	299	191	286 WILLIS ST	FRYATT ST CENTRAL	HARBOUR I	240	17.8	1	700	50 Asset and Commercial	Rotational	5 Yearly	August	2020	Secondary Collector
71_338_299	44 SMITH ST (CEN)	338	270	362 TENNYSON	RATTRAY S CENTRAL	EXCHANGE	299	13	2	6900	50 Asset and Commercial	Rotational	5 Yearly	August	2020	Primary Collector
71_372_100	45 CANONGATE - UPPER (CEN)	372	0	165 SERPENTIN	LHS #118/1 CENTRAL	JUBILEE PA	100	7	1	700	50 Asset and Commercial	Rotational	5 Yearly	August	2020	Secondary Collector
71_228_300	47 UNION ST EAST (NORTH)	228	246	573 HARBOUR	ANZAC AVE NORTH	UNIVERSIT	300	13.5	1	5400	50 Asset and Commercial	Rotational	5 Yearly	August	2020	Primary Collector
71_100_59	50 NORTH RD (NORTH)	100	0	161 OPOHO RD	CHACOMBI NORTH	DALMORE	59	14	2	12700	50 Asset and Commercial	Rotational	5 Yearly	August	2020	Arterial
71_191_338	52 CAMPBELLS RD (NORTH)	191	232	498 WATKIN ST	DALRYMPL NORTH	PINE HILL 8	338	8	1	550	50 Asset and Commercial	Rotational	5 Yearly	August	2020	Access
71_1453_750	55 HALL RD (PC)	1453	725	908 TEWSLEY S	TURNING C PORT CHAL	SAWYERS E	750	7.7	1	400	50 Asset and Commercial	Rotational	5 Yearly	August	2020	Access
71_1555_73	57 POTO ST (PC)	1555	0	109 ARAMOAN	KAHIKA ST PORT CHAL	ARAMOAN	73	4.5	1	20	50 Asset and Commercial	Rotational	5 Yearly	August	2020	Low Volume
71_1690_13680	60 COAST RD (WC)	1690	13395	13795 STORNOW	BARRA ST WAIK. COA	KARITANE	13680	7	1	800	50 Asset and Commercial	Core	Annual	August	2020	Secondary Collector
71_1690_12634	60 COAST RD (WC)	1690	12567	12710 HALKIRK	ST BARVAS ST WAIK. COA	KARITANE	12634	7	1	450	50 Asset and Commercial	Rotational	5 Yearly	August	2020	Secondary Collector
71_1705_100	60 GRIMNESS ST SOUTH (WC)	1705	0	180 COAST RD	SCARP ST WAIK. COA	KARITANE	100	4.5	1	50	50 Asset and Commercial	Rotational	5 Yearly	August	2020	Low Volume
71_1858_140	61 BEACH ST (WC)	1858	0	323 SH.1	COLLINS ST WAIK. COA	WAIKOUAI	140	7.2	1	1000	50 Asset and Commercial	Core	Annual	August	2020	Secondary Collector
71_2236_1094	9 FACTORY RD (MSI)	2236	1082	1386 REID AVE	GORDON R MOSGIEL	AERO 89	1094	13.9	1	6400	50 Asset and Commercial	Core	Annual	September 2020	Arterial	
71_2236_1050	9 FACTORY RD (MSI)	2236	764	1082 ELGIN PL	REID AVE MOSGIEL	AERO 89	1050	13.5	1	6000	50 Asset and Commercial	Rotational	5 Yearly	September 2020	Arterial	
71_1564_180	10 HIGH ST (MSI)	1564	0	374 FACTORY R	GREEN ST MOSGIEL	NORTH MC	180	13.8	1	2800	50 Asset and Commercial	Core	Annual	September 2020	Secondary Collector	
71_1562_800	10 HAGART ALEXANDER DR (MSI)	1562	543	880 HIGH ST	BEECH ST MOSGIEL	NORTH MC	800	8.3	1	2200	50 Asset and Commercial	Rotational	5 Yearly	September 2020	Primary Collector	
71_1531_100	11 MCFADDEN DRIVE (MSI)	1531	0	447 GLADSTON	END MOSGIEL	EAST MOS	100	8.9	1	575	50 Asset and Commercial	Rotational	5 Yearly	September 2020	Access	
71_1507_70	12 BRUCE ST (MSI)	1507	0	121 GORDON R	KING ST MOSGIEL	SOUTH MC	70	8.5	1	600	50 Asset and Commercial	Rotational	5 Yearly	September 2020	Access	
71_2619_1059	14 MAIN ROAD (SH)	2619	759	1181 HOWORTH	COCKBURN SADDLE HIL	FAIRFIELD	1059	14	1	2700	50 Asset and Commercial	Core	Annual	September 2020	Primary Collector	
71_1357_4000	15 SCROGGS HILL RD (SH)	1357	3960	4620 MCINTOSH	LAW RD SADDLE HIL	OCEAN VIE	4000	6	1	400	100 Asset and Commercial	Rotational	5 Yearly	September 2020	Access	
71_1576_1850	16 MORRIS RD (SH)	1576	1847	2483 COALSTAGI	BRAESIDE SADDLE HIL	CHAIN HILL	1850	9	1	1200	80 Asset and Commercial	Core	Annual	September 2020	Primary Collector	
71_1305_343	19 PATERSON ST (GI)	1305	337	428 TORQUAY	S SHULMA ST GREEN ISLA	ABBOTSFO	343	6.2	1	500	50 Asset and Commercial	Rotational	5 Yearly	September 2020	Access	
71_1201_4581	20 KAIKORAI VALLEY RD LEFT (CEN/WEST/G	1201	4542	4740 SHORT ST	MCLEODS F GREEN ISLA	ABBOTSFO	4581	13.8	2	11000	50 Asset and Commercial	Core	Annual	September 2020	Arterial	
71_1340_68	21 ORR ST (GI)	1340	0	269 MULFORD	STEVENSON GREEN ISLA	CONCORD	68	8	1	950	50 Asset and Commercial	Rotational	5 Yearly	September 2020	Access	
71_1280_50	22 HARRAWAY RD (GI)	1280	0	142 MAIN SOU	END GREEN ISLA	GREEN ISLA	50	7.5	1	60	50 Asset and Commercial	Rotational	5 Yearly	September 2020	Secondary Collector	
71_792_780	23 BAY VIEW RD (EAST)	792	656	937 KINGS AVE	MOREAU S EAST	TONGA PAI	780	11.6	2	5000	50 Asset and Commercial	Core	Annual	September 2020	Primary Collector	
71_811_1438	23 HILLSIDE RD (EAST)	811	1396	1541 NELSON ST	SURREY ST EAST	BATHGATE	1438	14.2	2	12100	50 Asset and Commercial	Core	Annual	September 2020	Arterial	
71_797_1579	23 MACANDREW RD (EAST)	797	1506	1672 SURREY ST	FORBURY R EAST	BATHGATE	1579	14	1	5250	50 Asset and Commercial	Rotational	5 Yearly	September 2020	Primary Collector	
71_829_220	23 GLASGOW ST (EAST)	829	60	258 ROAD WID	SULLIVAN R EAST	HILLSIDE 2	220	8.2	1	900	50 Asset and Commercial	Rotational	5 Yearly	September 2020	Access	
71_772_225	24 PLAYFAIR ST (EAST)	772	152	240 LOMOND S	THORN ST EAST	CAVERSHA	225	8.5	1	3000	50 Asset and Commercial	Rotational	5 Yearly	September 2020	Primary Collector	
71_279_150	25 TURAKINA RD (EAST)	279	0	230 TIMARU ST	OTAKI ST EAST	ANDERSON	150	13.4	1	725	50 Asset and Commercial	Rotational	5 Yearly	September 2020	Secondary Collector	
71_847_228	26 MCBRIDE ST (EAST)	847	137	252 BRAEMAR	BROUGHTC EAST	SOUTH DUI	228	13.2	1	2700	50 Asset and Commercial	Rotational	5 Yearly	September 2020	Secondary Collector	
71_864_1100	27 MUSSELBURGH RISE (EAST)	864	995	1137 SHORE ST	BAYFIELD R EAST	TAINUI 11	1100	14.3	2	9300	50 Asset and Commercial	Core	Annual	September 2020	Primary Collector	
71_884_170	27 SILVERTON ST (EAST)	884	50	271 END OF ISL	ELLIOT ST EAST	TOMAHAWA	170	13.5	1	5000	50 Asset and Commercial	Rotational	5 Yearly	September 2020	Primary Collector	
71_919_50	28 GALA ST (EAST)	919	0	177 LARNACH F	SCOTT ST EAST	WAVERLEY	50	6.1	1	100	50 Asset and Commercial	Rotational	5 Yearly	September 2020	Low Volume	
71_951_41	29 IRVINE RD (EAST/R)	951	0	598 PORTOBELI	END EAST RURA	MACANDRI	41	4.7	1	250	50 Asset and Commercial	Rotational	5 Yearly	September 2020	Access	
71_1190_640	30 VICTORIA RD (STK)	1190	385	906 KENNEDY S	PLUNKET S ST KILDA	FORBURY F	640	10.5	1	4400	50 Asset and Commercial	Core	Annual	September 2020	Primary Collector	
71_1313_230	30 TEDDER ST (STK)	1313	126	356 MARKET ST	NEW ST ST KILDA	TAHUNA 7	230	7.2	1	250	50 Asset and Commercial	Rotational	5 Yearly	September 2020	Access	
71_736_670	32 MIDDLETON RD (WEST)	736	640	941 LOCKERBIE	GILMERTON WEST	KEW 34	670	8.6	1	3600	50 Asset and Commercial	Core	Annual	September 2020	Primary Collector	
71_744_44	32 EASTHER CRESCENT (WEST)	744	0	193 FORBURY F	RAINTON R WEST	KEW 34	44	7.6	1	4900	50 Asset and Commercial	Rotational	5 Yearly	September 2020	Primary Collector	
71_396_150	33 PRESTON CRESCENT (WEST)	396	0	193 QUEENS D	F HARCOURT WEST	BELLEKN	150	7.5	1	700	50 Asset and Commercial	Rotational	5 Yearly	September 2020	Access	
71_694_406	34 MAILER ST (WEST)	694	338	555 JUBILEE ST	KENMURE WEST	MORNING	406	11.5	2	9000	50 Asset and Commercial	Core	Annual	September 2020	Arterial	
71_690_400	34 HAWTHORN AVE (WEST)	690	196	570 LONSDALE	JUBILEE ST WEST	MORNING	400	10.5	1	4400	50 Asset and Commercial	Rotational	5 Yearly	September 2020	Primary Collector	
71_625_875	37 ELGIN RD (WEST)	625	829	938 MITCHELL	BENHAR ST WEST	LOOKOUT	875	10.6	1	4550	50 Asset and Commercial	Core	Annual	September 2020	Primary Collector	
71_554_677	38 CALDWELL ST (CEN)	554	625	754 BARTON ST	BROCKVILL CENTRAL	BROCKVILL	677	7.8	1	700	50 Asset and Commercial	Rotational	5 Yearly	September 2020	Access	
71_467_168	39 DEAN ST (CEN)	467	138	195 COUNTY R	TAIERI RD CENTRAL	KAIKORAI E	168	10.5	1	330	50 Asset and Commercial	Rotational	5 Yearly	September 2020	Access	
71_592_102	40 CITY RD (CEN)	592	0	252 QUEENS D	F ROSS ST CENTRAL	ROSLYN 57	102	10.5	1	6000	50 Asset and Commercial	Core	Annual	September 2020	Primary Collector	
71_424_1002	40 HIGHGATE (WEST/CEN/NORTH)	424														

71_1256_659	30 HARGEST CRES (STK)	1256	624	711 WATERLOC CORUNNA ST KILDA	FORBURY F	659	10.8	1	600	50 Asset and Commercial	Rotational	5 Yearly	October	2020	Access
71_731_320	32 CLERMISTON AVE (WEST)	731	239	716 SUMMERTON CORSTORP WEST	KEW 34	320	8.4	1	290	50 Asset and Commercial	Rotational	5 Yearly	October	2020	Access
71_672_370	36 GLEN RD (WEST)	672	274	772 HAYWOOD OSBORNE T WEST	THE GLEN 4	370	8.5	1	3700	50 Asset and Commercial	Core	Annual	October	2020	Primary Collector
71_626_152	37 ENGLISH AVE (WEST)	626	0	214 KENMURE BLAIR ST WEST	LOOKOUT F	152	8	1	1400	50 Asset and Commercial	Rotational	5 Yearly	October	2020	Secondary Collector
71_592_646	40 CITY RD (CEN)	592	383	724 SLIGO TERF HIGHGATE CENTRAL	ROSLYN 57	646	11.5	1	4600	50 Asset and Commercial	Rotational	5 Yearly	October	2020	Primary Collector
71_574_164	40 BELGRAVE CRES (CEN)	574	0	196 HIGHGATE LUNDIE ST CENTRAL	ROSLYN 57	164	9.4	1	230	50 Asset and Commercial	Rotational	5 Yearly	October	2020	Access
71_292_37	43 FAIRLEY ST (CEN)	292	0	70 CRESSWELL WILLIS ST CENTRAL	HARBOUR I	37	13.6	1	160	50 Asset and Commercial	Rotational	5 Yearly	October	2020	Secondary Collector
71_220_50	46 HARROW ST (NORTH)	220	0	182 ANZAC AVE HANOVER S NORTH	CITY CENTR	50	14	1	2200	50 Asset and Commercial	Rotational	5 Yearly	October	2020	Secondary Collector
71_233_200	49 DUNDAS ST (NORTH)	233	123	245 GREAT KIN CUMBERLA NORTH	NORTH DU	200	13.6	1	5400	50 Asset and Commercial	Core	Annual	October	2020	Primary Collector
71_100_2168	50 NORTH RD (NORTH)	100	2104	2225 BIRCHFIELD ANTRIM ST NORTH	NORMANB	2168	14.2	1	2500	50 Asset and Commercial	Rotational	5 Yearly	October	2020	Arterial
71_1586_75	10 CEDAR CRES (MSI)	1586	0	137 ELMWOOD OAK PL MOSGIEL	NORTH MC	75	8.3	1	320	50 Asset and Commercial	Rotational	5 Yearly	November	2020	Access
71_1570_125	14 HOWORTH RD (SH)	1570	0	220 MAIN SOUTH BREMNER S SADDLE HILL FAIRFIELD S		125	11.8	1	1000	50 Asset and Commercial	Rotational	5 Yearly	November	2020	Secondary Collector
71_1628_5883	15 TAIERI MOUTH RD (SH)	1628	4652	7173 BRIDGE # 4 BRIDGE # 4 SADDLE HILL KURI BUSH		5883	7.4	1	850	100 Asset and Commercial	Rotational	5 Yearly	November	2020	Primary Collector
71_1566_110	17 VISCOUNT RD (SH)	1566	0	195 VULCAN RE VALIANT RE SADDLE HILL WALDRON		110	9.7	1	320	50 Asset and Commercial	Core	Annual	November	2020	Access
71_1463_1371	18 BLACKHEAD RD (GI/SH)	1463	1310	3456 TUNNEL BE QUARRY EN SADDLE HILL BLACKHEAD		1371	6.7	1	1200	80 Asset and Commercial	Core	Annual	November	2020	Primary Collector
71_1978_77	19 CHRISTIE ST (GI)	1978	0	123 NEILL ST JOHN ST GREEN ISLAND ABBOTSFORD		77	8	1	1000	50 Asset and Commercial	Rotational	5 Yearly	November	2020	Secondary Collector
71_1295_45	22 EDINBURGH ST (GI)	1295	0	165 MAIN SOUTH RENNIE ST GREEN ISLAND GREEN ISLAND		45	7.1	1	500	50 Asset and Commercial	Core	Annual	November	2020	Access
71_4177_653	22 MAIN SOUTH RD (SUNNYVALE) [GI]	4177	522	962 THOMSON ABBOTTS B GREEN ISLAND GREEN ISLAND		653	11.5	1	4000	50 Asset and Commercial	Rotational	5 Yearly	November	2020	Primary Collector
71_827_46	23 CUTTEN ST (EAST)	827	0	213 HILLSIDE RE BATHGATE EAST HILLSIDE 2		46	6	1	650	50 Asset and Commercial	Rotational	5 Yearly	November	2020	Access
71_310_865	26 ANDERSONS BAY RD RIGHT (EAST)	310	796	939 MACANDRIMELBOURN EAST SOUTH DUIS		865	10.4	2	8700	50 Asset and Commercial	Rotational	5 Yearly	November	2020	Arterial
71_878_1900	28 HIGHCLIFF RD (EAST/R+U)	878	1873	2375 MCKERROV HILTON RD EAST WAVERLEY		1900	9.3	1	1300	50 Asset and Commercial	Rotational	5 Yearly	November	2020	Primary Collector
71_966_150	29 GREENACRES ST (EAST/R)	966	103	606 WHARF DAI HOUSE NO EAST RURA MACANDRIM		150	6.5	1	500	50 Asset and Commercial	Rotational	5 Yearly	November	2020	Access
71_1322_430	30 CALDER ST (STK)	1322	396	482 MILLS ST AJAX ST ST KILDA KETTLE PAF		430	7.5	1	275	50 Asset and Commercial	Rotational	5 Yearly	November	2020	Access
71_761_790	31 RISELAW RD (WEST)	761	650	877 PANMURE PANMURE WEST CALTON HILL		790	10.5	1	2000	50 Asset and Commercial	Core	Annual	November	2020	Secondary Collector
71_719_151	32 ESPLANADE (WEST)	719	131	206 END OF PA BEACH ST WEST ST CLAIR 3		151	11	1	1300	50 Asset and Commercial	Rotational	5 Yearly	November	2020	Primary Collector
71_386_100	33 CARNARVON ST (WEST)	386	0	157 KENMURE NEWPORT WEST BELLEKNOW		100	9.8	1	250	50 Asset and Commercial	Rotational	5 Yearly	November	2020	Access
71_535_292	35 BRYANT ST (WEST)	535	92	378 FELS ST KENMURE WEST KAIKORAI V		292	8.1	1	1300	50 Asset and Commercial	Rotational	5 Yearly	November	2020	Secondary Collector
71_671_60	36 EGLINTON RD (WEST)	671	0	166 SOUTH RD WALTER ST WEST THE GLEN 4		60	8	1	2900	50 Asset and Commercial	Rotational	5 Yearly	November	2020	Primary Collector
71_631_340	37 MITCHELL AVE (WEST)	631	270	422 BRIDGER S GLENPARK WEST LOOKOUT F		340	10	1	1200	50 Asset and Commercial	Rotational	5 Yearly	November	2020	Secondary Collector
71_472_764	39 HELENSBURGH RD (CEN)	472	563	825 BALMACEV MAYFIELD CENTRAL WAKARI 67		764	10	1	3700	50 Asset and Commercial	Core	Annual	November	2020	Primary Collector
71_476_56	39 TAIERI RD (CEN)	476	0	172 KAIKORAI V NAIRN ST CENTRAL KAIKORAI 6		56	13.4	2	9800	50 Asset and Commercial	Rotational	5 Yearly	November	2020	Arterial
71_493_129	39 PENNANT ST (CEN)	493	0	242 TAIERI RD BERESFORD CENTRAL KAIKORAI 6		129	5	1	300	50 Asset and Commercial	Rotational	5 Yearly	November	2020	Access
71_1900_220	39 THREE MILE HILL RD (TAI)	1900	0	488 LETTER BOX DALZIEL RC CENTRAL HALFWAY 1		220	8.1	1	4700	50 Asset and Commercial	Rotational	5 Yearly	November	2020	Arterial
71_443_180	40 CANNINGTON RD (NORTH)	443	0	375 BURMA RD PILKINGTON NORTH MAORI HILL		180	6	1	280	50 Asset and Commercial	Rotational	5 Yearly	November	2020	Access
71_595_95	40 FALCON ST - LOWER (CEN)	595	0	140 KAIKORAI V START OF C CENTRAL ROSLYN 57		95	7.4	1	210	50 Asset and Commercial	Rotational	5 Yearly	November	2020	Access
71_364_150	41 WILLIAM ST (CEN)	364	101	261 HIGH ST STAFFORD CENTRAL MARKET RE		150	13.7	1	500	50 Asset and Commercial	Rotational	5 Yearly	November	2020	Access
71_282_120	43 FRENCH ST (CEN)	282	71	138 BULLER ST KITCHENER CENTRAL HARBOUR I		120	13.4	1	360	50 Asset and Commercial	Rotational	5 Yearly	November	2020	Secondary Collector
71_263_95	44 GREAT KING ST (CEN/NORTH)	263	0	186 MORAY PL ST ANDREW CENTRAL CITY RISE 7		95	12.9	2	5100	30 Asset and Commercial	Rotational	5 Yearly	November	2020	Arterial
71_1205_146	44 STUART ST LEFT (CEN)	1205	116	237 MORAY PL SMITH ST CENTRAL EXCHANGE		146	13.4	1	4000	50 Asset and Commercial	Rotational	5 Yearly	November	2020	Arterial
71_407_80	46 VIRE ST (NORTH)	407	0	101 LEITH ST HARROW S NORTH CITY CENTR		80	7.1	1	140	50 Asset and Commercial	Rotational	5 Yearly	November	2020	Low Volume
71_269_170	47 UNION ST WEST (NORTH)	269	123	244 GEORGE ST GREAT KIN NORTH MUSEUM 7		170	14	1	1400	50 Asset and Commercial	Rotational	5 Yearly	November	2020	Secondary Collector
71_154_175	49 DUKE ST (NORTH)	154	135	258 CUMBERLA GREAT KIN NORTH NORTH DU		175	13.5	1	1750	50 Asset and Commercial	Rotational	5 Yearly	November	2020	Secondary Collector
71_88_50	50 BEECHWORTH ST (NORTH)	88	0	80 NORTH RD AINSLEE PL NORTH NORMANB		50	9.1	1	440	50 Asset and Commercial	Rotational	5 Yearly	November	2020	Access
71_185_180	50 PINE HILL RD (NORTH)	185	0	259 MOTORWAY ORBELL ST NORTH DALMORE		180	9.4	1	1100	50 Asset and Commercial	Rotational	5 Yearly	November	2020	Secondary Collector
71_1451_185	55 STATION RD (PC)	1451	167	232 FREYBERG CONSTANT PORT CHAL SAWYERS E		185	7.5	1	2050	50 Asset and Commercial	Core	Annual	November	2020	Secondary Collector
71_1539_65	55 REEVES ST (PC)	1539	0	203 DISTRICT R SHANDON PORT CHAL SAWYERS E		65	7.8	1	220	50 Asset and Commercial	Rotational	5 Yearly	November	2020	Access
71_1417_181	56 BURNS ST (PC)	1417	121	322 HARRINGTON WICKLIFFE PORT CHAL PORT CHAL		181	6.9	1	220	50 Asset and Commercial	Rotational	5 Yearly	November	2020	Access
71_1810_6300	58 MT CARGILL RD (WC)	1810	3848	6388 MT KETTLE GREEN RD WAIK. COA MOUNT CA		6300	5.5	1	300	100 Asset and Commercial	Core	Annual	November	2020	Secondary Collector
71_1810_190	58 MT CARGILL RD (WC)	1810	0	2165 UPPER JUN LOOKOUT F WAIK. COA MOUNT CA		190	5.5	1	550	80 Asset and Commercial	Rotational	5 Yearly	November	2020	Secondary Collector
71_2544_799	61 EDINBURGH ST (WC)	2544	624	865 GLASGOW CUPAR WAIK. COA WAIKOUAI		799	6.2	1	150	50 Asset and Commercial	Rotational	5 Yearly	November	2020	Access
71_2963_30	43 WARD ST OVERBRIDGE (CEN)	2963	0	62 WEST END EAST END CENTRAL WATERFRONT		30	13.3	1	4000	50 Asset and Commercial	Core	Annual	November	2020	Arterial
71_1489_900	12 FORFAR ST (MSI)	1489	873	1080 BUSH RD TAY ST MOSGIEL SOUTH MC		900	13	1	900	50 Asset and Commercial	Rotational	5 Yearly	December	2020	Access
71_1576_1439	16 MORRIS RD (SH)	1576	1438	1847 CHAIN HILL COALSTAGI SADDLE HILL CHAIN HILL		1439	9	1	900	80 Asset and Commercial	Rotational	5 Yearly	December	2020	Primary Collector
71_1478_760	21 STEVENSON RD (GI)	1478	584	1160 ORR ST MAIN SOUTH GREEN ISLAND CONCORD		760	8.5	1	4000	50 Asset and Commercial	Rotational	5 Yearly	December	2020	Primary Collector
71_320_550	23 KING EDWARD ST (EAST)	320	499	626 LORNE ST MCBRIDE S EAST HILLSIDE 2		550	13.4	2	10000	50 Asset and Commercial	Core	Annual	December	2020	Arterial
71_320_850	23 KING EDWARD ST (EAST)	320	794	928 MACANDRIMELBOURN EAST TONGA PAI		850	13.4	2	10500	50 Asset and Commercial	Rotational	5 Yearly	December	2020	Primary Collector
71_809_646	23 FITZROY ST (EAST)	809	496	804 SUSSEX ST MACANDRIM EAST BATHGATE		646	6.4	1	220	50 Asset and Commercial	Rotational	5 Yearly	December	2020	Access
71_274_750	25 OTAKI ST (EAST)	274	604	887 MIDLAND S TEVIOT ST EAST ANDERSON		750	13.3	1	1600	50 Asset and Commercial	Rotational	5 Yearly	December	2020	Secondary Collector
71_310_550	26 ANDERSONS BAY RD RIGHT (EAST)	310	381	624 HILLSIDE RE MCBRIDE S EAST SOUTH DUIS		550	10.4	2	11000	50 Asset and Commercial	Core	Annual	December	2020	Arterial
71_858_60	27 DUNDONALD ST (EAST)	858	0	444 TAINUI RD KAMURA S EAST TAINUI 11		60	6.4	1	470	50 Asset and Commercial	Rotational	5 Yearly	December	2020	Access
71_898_2275	29 PORTOBELLO RD (EAST-EAST/R)	898	2235	3407 IVANHOE RE IRVINE RD EAST RURA MACANDRIM		2275	5.9	1	5400	50 Asset and Commercial	Rotational	5 Yearly	December	2020	Arterial
71_1190_1500	30 VICTORIA RD (STK)	1190	1483	1589 AJAX ST PRINCE ALE ST KILDA KETTLE PAF		1500	11.7	1	5800	50 Asset and Commercial	Rotational	5 Yearly	December	2020	Arterial
71_424_62	33 HIGHGATE (WEST/CEN/NORTH)	424	0	358 EPSILON ST ROSS ST WEST ROSS ST AR		62	7.5	1	4200	50 Asset and Commercial	Core	Annual	December	2020	Primary Collector
71_573_118	33 ALISON CRES (WEST)	573	0	180 MICHIE ST HARCOURT WEST ROSS ST AR		118	9.5	1	150	50 Asset and Commercial	Rotational	5 Yearly	December	2020	Low Volume
71_623_100	37 BRIDGER ST (WEST)	623	0	248 GLENPARK BENHAR ST WEST LOOKOUT F		100	7.5	1	120	50 Asset and Commercial	Rotational	5 Yearly	December	2020	Low Volume
71_553_1400	38 BROCKVILLE RD (CEN)	553	1313	1515 COCKERELL WRAY ST CENTRAL BROCKVILL		1400	10.5	1	4600	Asset and Commercial	Core	Annual	December	2020	Primary Collector
71_494_361	39 SHETLAND ST (CEN)	494	225	424 NAIRN ST DALE ST CENTRAL KAIKORAI 6		361	7.3	1	1250	50 Asset and Commercial	Rotational	5 Yearly	December	2020	Secondary Collector
71_322_1500	41 PRINCES ST (CEN/EAST)	322	1440	1580 LEES ST SOUTH RD CENTRAL MARKET RE		1500	20.2	2	14600	50 Asset and Commercial	Rotational	5 Yearly	December	2020	Arterial
71_242_371	44 GEORGE ST (NORTH/CEN)	242	254	476 ST ANDREW HANOVER S CENTRAL CITY RISE 7		371	12.2	2	9800	30 Asset and Commercial	Core	Annual	December	2020	Arterial
71_185_1450	52 PINE HILL RD (NORTH)	185	1334	1547 RALEIGH ST CAMPBELL NORTH PINE HILL 8		1450	10.2	1	1350	50 Transportation Planning	Core	Annual	December	2020	Secondary Collector
71_1920_300	3 HOYLAKES ST (TAI)	1920	239	358 LYNAS ST BEAUMARI TAIERI OUTRAM 3		300	12.8	1	1000	50 Asset and Commercial	Core	Annual	February	2021	Primary Collector

71_1942_970	4 WINGATUI RD (TAI)	1942	726	1789	FACTORY R SOPER RD	TAIERI	WINGATUI	970	6.3	1	1400	50 Asset and Commercial	Core	Annual	February	2021	Secondary Collector	
71_2911_2942	4 DUKES RD - NORTH (TAI)	2911						2942		1	700	80 Asset and Commercial	Rotational	5 Yearly	February	2021		
71_1880_200	5 GREY ST (TAI)	1880	71	236	SH. 1	DOUGLAS S	TAIERI	200	6.5	1	450	50 Asset and Commercial	Core	Annual	February	2021	Access	
71_1988_172	6 ALLANTON RD (TAI)	1988	0	1804	CENTRE RD	NICHOLS R	TAIERI	172	6.3	1	700	100 Asset and Commercial	Core	Annual	February	2021	Primary Collector	
71_2224_5051	6 CENTRE RD (TAI)	2224	5005	6356	POPLAR RD	MARSHALL	TAIERI	5051	6.2	1	550	100 Asset and Commercial	Core	Annual	February	2021	Secondary Collector	
71_1960_2168	7 RICCARTON RD - WEST (TAI)	1960	1419	2251	BUSH RD	END BRIDG	TAIERI	2168	6.7	1	1500	80 Asset and Commercial	Core	Annual	February	2021	Primary Collector	
71_1949_428	7 TAIOMA RD (TAI)	1949	0	2350	TIROHANG	TAIERI	VIEV TAIERI	428	6.1	1	150	100 Asset and Commercial	Rotational	5 Yearly	February	2021	Secondary Collector	
71_1900_811	8 THREE MILE HILL RD (TAI)	1900	805	2415	FLAGSTAFF	SUBSTATIO	TAIERI	811	6.8	1	4600	80 Asset and Commercial	Core	Annual	February	2021	Arterial	
71_2249_115	9 MURRAY ST (MSI)	2249	0	169	REID AVE	NAIRN ST	MOSGIEL	AERO 89	115	8.6	1	1250	50 Asset and Commercial	Rotational	5 Yearly	February	2021	Secondary Collector
71_1562_94	10 HAGART ALEXANDER DR (MSI)	1562	0	40	GORDON R	END OF ISL	MOSGIEL	NORTH MC	94	11.9	1	3900	50 Asset and Commercial	Core	Annual	February	2021	Primary Collector
71_2238_175	10 SPEY ST (MSI)	2238	0	278	DOON ST	GREEN ST	MOSGIEL	NORTH MC	175	7.9	1	170	50 Asset and Commercial	Rotational	5 Yearly	February	2021	Low Volume
71_1660_590	13 OLD BRIGHTON RD (SH)	1660	469	735	WALTON P.	END OF K & S	SADDLE HIL	KAIKORAI L	590	8.4	1	1100	50 Asset and Commercial	Rotational	5 Yearly	February	2021	Secondary Collector
71_1471_50	19 SEVERN ST (GI)	1471	0	73	NORTH TA	WILL ST	GREEN ISLA	ABBOTSFOL	50	7	1	1400	50 Asset and Commercial	Rotational	5 Yearly	February	2021	Secondary Collector
71_320_1010	23 KING EDWARD ST (EAST)	320	928	1064	MELBOURN	OXFORD ST	EAST	TONGA PAI	1010	13.4	2	9600	50 Asset and Commercial	Rotational	5 Yearly	February	2021	Primary Collector
71_878_4126	29 HIGHCLIFF RD (EAST/R+U)	878	3980	5925	CENTRE RD	KARETAI RE	EAST RURA	HIGHCLIFF	4126	5.5	1	1100	80 Asset and Commercial	Core	Annual	February	2021	Primary Collector
71_898_6046	29 PORTOBELLO RD (EAST-EAST/R)	898	6009	6573	ST RONAN'S	GLENFALLC	EAST RURA	MACANDRI	6046	8.4	1	5400	50 Asset and Commercial	Core	Annual	February	2021	Arterial
71_898_6913	29 PORTOBELLO RD (EAST-EAST/R)	898	6573	6938	GLENFALLC	MARION ST	EAST RURA	MACANDRI	6913	8.4	1	4300	50 Asset and Commercial	Rotational	5 Yearly	February	2021	Arterial
71_436_1085	39 BALMACEWEN RD (CEN/NORTH)	436	1051	1309	ROSEBANK	LYNN ST	CENTRAL	WAKARI 67	1085	11.4	1	3400	50 Asset and Commercial	Rotational	5 Yearly	February	2021	Primary Collector
71_446_665	40 DRIVERS RD (NORTH)	446	523	754	TOLCARNE	QUEENS DF	NORTH	MAORI HIL	665	10.2	1	5400	50 Asset and Commercial	Core	Annual	February	2021	Primary Collector
71_584_230	40 LEVEN ST (CEN)	584	165	334	SCARBA ST	KILGOUR S	CENTRAL	ROSLYN 57	230	7.8	1	400	50 Asset and Commercial	Rotational	5 Yearly	February	2021	Access
71_1250_70	53 ADDERLEY TCE (NORTH)	1250	0	313	RAVENSB	O TOTARA ST	NORTH	RAVENSB	70	7.1	1	1200	50 Asset and Commercial	Core	Annual	February	2021	Secondary Collector
71_35_882	54 BURKES DRIVE (NORTH)	35	835	1436	FINCH ST	HUIA ST	NORTH	ST LEONAR	882	5.7	1	400	50 Asset and Commercial	Core	Annual	February	2021	Access
71_2614_318	56 GEORGE ST SH88 (PC)	2614	0	424	WICKLIFFE	BEACH ST	PORT CHAL	CAREYS BA	318	14	1	4000	50 Asset and Commercial	Core	Annual	February	2021	
71_1349_430	56 BEACH ST (PC)	1349	82	675	1ST RAILW	BEND	PORT CHAL	PORT CHAL	430	9.5	1	950	50 Asset and Commercial	Rotational	5 Yearly	February	2021	Primary Collector
71_1488_7500	57 ARAMOANA RD (PC)	1488	7460	8058	LAMP POST	LAST HOUS	PORT CHAL	ARAMOAN	7500	6.4	1	500	70 Asset and Commercial	Core	Annual	February	2021	Secondary Collector
71_1433_6020	58 BLUESKIN RD (PC/WC)	1433	4593	8089	PURAKANL	GREEN RD	WAIK. COA	MOUNT CA	6020	6.5	1	500	80 Asset and Commercial	Rotational	5 Yearly	February	2021	Secondary Collector
71_1810_9730	58 MT CARGILL RD (WC)	1810	8778	9813	SHORTCUT	DONALDS F	WAIK. COA	MOUNT CA	9730	5.5	1	300	80 Asset and Commercial	Rotational	5 Yearly	February	2021	Secondary Collector
71_1836_447	61 INVERARY ST (WC)	1836	0	502	SEDDON ST	NAIRN ST	WAIK. COA	WAIKOUAI	447	5.7	1	350	50 Asset and Commercial	Rotational	5 Yearly	February	2021	Access
71_345_95	41 CARROLL ST (CEN)	345	0	126	PRINCES ST	HOPE ST	CENTRAL	MARKET RE	95	13.1	1	1000	50 Transportation Planning	Screenline	Annual	March	2021	Secondary Collector
71_360_135	41 STAFFORD ST (CEN)	360	0	246	PRINCES ST	HOPE ST	CENTRAL	MARKET RE	135	13.3	1	2550	50 Transportation Planning	Screenline	Annual	March	2021	Secondary Collector
71_314_458	42 CRAWFORD ST SH1 (CEN)	314	335	544	JERVOIS ST	POLICE ST	CENTRAL	OVAL 51	458	23.5	2	17500	50 Transportation Planning	Screenline	Annual	March	2021	
71_315_645	42 CUMBERLAND ST SH1 (CEN)	315	578	682	POLICE ST	JERVOIS ST	CENTRAL	OVAL 51	645	18	2	13850	50 Transportation Planning	Screenline	Annual	March	2021	
71_322_800	42 PRINCES ST (CEN/EAST)	322	748	938	CARROLL S	MANOR PL	CENTRAL	OVAL 51	800	20.2	2	12000	50 Transportation Planning	Screenline	Annual	March	2021	Arterial
71_323_454	42 VOGEL ST (CEN)	323	385	532	POLICE ST	JERVOIS ST	CENTRAL	OVAL 51	454	12.5	1	900	50 Transportation Planning	Screenline	Annual	March	2021	Secondary Collector
71_4147_496	42 BOND ST - SOUTH (CEN)	4147	391	599	POLICE ST	JERVOIS ST	CENTRAL	OVAL 51	496	13.4	1	500	50 Transportation Planning	Screenline	Annual	March	2021	Access
71_2576_210	43 CUMBERLAND ST O/B - MAIN SPAN (CEN)	2576	165	215	WEST END	EAST END	CENTRAL	HARBOUR I	210	8	2	12000	50 Transportation Planning	Screenline	Annual	March	2021	Arterial
71_328_723	44 CARGILL ST (CEN)	328	523	748	HADDON P	FILLEUL ST	CENTRAL	CITY RISE 7	723	13.5	1	1900	50 Transportation Planning	Screenline	Annual	March	2021	Secondary Collector
71_343_285	44 YORK PLACE (CEN)	343	238	429	SMITH ST	STUART ST	CENTRAL	CITY RISE 7	285	13	1	2200	50 Transportation Planning	Screenline	Annual	March	2021	Secondary Collector
71_416_570	44 LONDON ST (CEN)	416	482	665	SCOTLAND	CONSTITUT	CENTRAL	CITY RISE 7	570	7.3	1	4100	50 Transportation Planning	Screenline	Annual	March	2021	Primary Collector
71_1205_323	44 STUART ST LEFT (CEN)	1205	237	382	SMITH ST	YORK PLAC	CENTRAL	EXCHANGE	323	13.4	2	11500	50 Transportation Planning	Screenline	Annual	March	2021	Arterial
71_332_150	45 HIGH ST (CEN/WEST)	332	127	249	BROADWA	CLARK ST	CENTRAL	JUBILEE PA	150	13.3	1	4000	50 Transportation Planning	Screenline	Annual	March	2021	Primary Collector
71_337_327	45 RATTRAY ST (CEN)	337	195	403	ARTHUR ST	BROWN ST	CENTRAL	JUBILEE PA	327	13.2	1	6600	50 Transportation Planning	Screenline	Annual	March	2021	Primary Collector
71_378_80	45 MACLAGGAN ST (CEN)	378	0	164	BROADWA	CLARK ST	CENTRAL	JUBILEE PA	80	12.9	1	5500	50 Transportation Planning	Screenline	Annual	March	2021	Primary Collector
71_2858_200	45 CANONGATE - LOWER (CEN)	2858	55	235	DUNCAN S	RATTRAY S	CENTRAL	JUBILEE PA	200	5	1	150	50 Transportation Planning	Screenline	Annual	March	2021	Low Volume
71_405_515	46 HANOVER ST (NORTH/CEN)	405	486	607	CASTLE ST	LEITH ST	NORTH	CITY CENTF	515	13.4	1	4200	50 Transportation Planning	Screenline	Annual	March	2021	Primary Collector
71_2612_179	46 ST ANDREW ST SH88 (NORTH)	2612	122	273	CASTLE ST	ANZAC AVE	NORTH	CITY CENTF	179	13.5	1	7500	50 Transportation Planning	Screenline	Annual	March	2021	
71_2662_131	46 ANZAC AVE- SH88 R50/0.27 - OFF (NORTH)	2662	0	290	ST ANDREV	CASTLE ST -	NORTH	CITY CENTF	131	14	1	3800	50 Transportation Planning	Screenline	Annual	March	2021	Primary Collector
71_216_410	47 FREDERICK ST (NORTH)	216	365	486	CASTLE ST	LEITH ST	NORTH	UNIVERSIT	410	13.4	1	7500	50 Transportation Planning	Screenline	Annual	March	2021	Arterial
71_240_12																		

71_2964_70	43 WARD ST O/B - EAST RAMPS (CEN)	2964	0	112 HALSEY ST OVERBRIDGE CENTRAL	WATERFRONT	70	9	1	1250	50 Asset and Commercial	Rotational	5 Yearly	April	2021	Arterial
71_335_380	44 MORAY PLACE (CEN)	335	266	420 STUART ST FILLEUL ST CENTRAL	EXCHANGE	380	12.5	1	4500	50 Asset and Commercial	Rotational	5 Yearly	April	2021	Arterial
71_326_402	45 ARTHUR ST (CEN)	326	376	476 ELM ROW RATTRAY ST CENTRAL	JUBILEE PARK	402	12.8	1	4300	50 Asset and Commercial	Rotational	5 Yearly	April	2021	Primary Collector
71_62_150	48 EVANS ST (NORTH)	62	116	290 WINDSOR ST ROXBURGH NORTH	OPOHO 82	150	7.9	1	550	50 Asset and Commercial	Core	Annual	April	2021	Access
71_104_50	50 PARIS ST (NORTH)	104	0	89 NORTHUM CROWN ST NORTH	NORMANBY	50	13.3	1	100	50 Asset and Commercial	Rotational	5 Yearly	April	2021	Low Volume
71_163_65	51 MALVERN ST (NORTH)	163	0	184 TRACK LHS WOODHALE NORTH	LEITH VALL	65	14.4	1	2950	50 Asset and Commercial	Core	Annual	April	2021	Secondary Collector
71_100_388	50 NORTH RD (NORTH)	100	371	572 GLENDININ CRAIGLEITH NORTH	DALMORE ST	388	13.7	2	11500	50 Asset and Commercial	Core	Annual	April	2021	Arterial
71_2254_54	9 ELGIN PL (MSI)	2254	0	107 FACTORY ROAD ROSS ST MOSGIEL	AERO 89	54	9.1	1	1200	50 Asset and Commercial	Rotational	5 Yearly	May	2021	Secondary Collector
71_1610_131	12 BUSH RD (MSI/TAI)	1610	0	202 GORDON ROAD FORFAR ST MOSGIEL	SOUTH MO	131	11.3	1	4700	50 Asset and Commercial	Core	Annual	May	2021	Primary Collector
71_1613_150	12 TAY ST (MSI)	1613	101	202 FORTH ST FORFAR ST MOSGIEL	SOUTH MO	150	12.9	1	1200	50 Asset and Commercial	Rotational	5 Yearly	May	2021	Secondary Collector
71_1591_26	13 WALTON PARK AVE (SH)	1591	0	138 OLD BRIDGE EDITH ST SADDLE HILL KAIKORAI	L	26	9.8	1	1650	50 Asset and Commercial	Core	Annual	May	2021	Secondary Collector
71_1626_9263	15 BRIGHTON RD (SH)	1626	9222	9344 TAYLOR ST PEARSE ST SADDLE HILL BRIGHTON		9263	9.5	1	1300	50 Asset and Commercial	Core	Annual	May	2021	Primary Collector
71_1495_203	18 TUNNEL BEACH RD (SH)	1495	0	308 BLACKHEAD END SADDLE HILL BLACKHEAD		203	6	1	80	79 Asset and Commercial	Rotational	5 Yearly	May	2021	Access
71_1467_170	19 ABBOTSFORD RD (GI)	1467	100	190 START OF L' WALDRON GREEN ISLAND ABBOTSFORD		170	9.3	1	4200	50 Asset and Commercial	Core	Annual	May	2021	Primary Collector
71_1287_3100	22 MAIN SOUTH RD (GI)	1287	3057	3176 JENKINS ST HOWDEN GREEN ISLAND GREEN ISLAND		3100	14.2	1	7200	50 Asset and Commercial	Core	Annual	May	2021	Arterial
71_320_687	23 KING EDWARD ST (EAST)	320	626	794 MCBRIDE STREET MACANDREW EAST	HILLSIDE 25	687	13.4	2	9800	50 Asset and Commercial	Rotational	5 Yearly	May	2021	Arterial
71_764_252	24 COLLEGE ST (EAST)	764	153	329 LOMOND STREET MACBETH STREET EAST	CAVERSHAIR	252	5.7	1	150	50 Asset and Commercial	Rotational	5 Yearly	May	2021	Low Volume
71_1208_700	25 PORTSMOUTH DRIVE LEFT (EAST)	1208	600	852 MIDLAND STREET TEVIOT STREET EAST	ANDERSON	700	8.4	2	10000	60 Asset and Commercial	Core	Annual	May	2021	Arterial
71_811_100	26 HILLSIDE RD (EAST)	811	0	183 ANDERSON BRAEMAR STREET EAST	SOUTH DUN	100	13.1	2	12000	50 Asset and Commercial	Rotational	5 Yearly	May	2021	Arterial
71_889_718	27 TOMAHAWK RD (EAST)	889	620	840 SPENCER STREET MINTO STREET EAST	TOMAHAWK	718	8	1	1450	50 Asset and Commercial	Rotational	5 Yearly	May	2021	Secondary Collector
71_898_8105	29 PORTOBELLO RD (EAST-EAST/R)	898	7808	8229 GREENACRE PORTERFIELD EAST RURAL MACANDREW		8105	8.4	1	3300	50 Asset and Commercial	Rotational	5 Yearly	May	2021	Arterial
71_1254_500	30 PRINCE ALBERT RD (STK)	1254	477	557 COUNCIL STREET DOUGLAS STREET ST KILDA	KETTLE PARK	500	12.2	1	4200	50 Asset and Commercial	Core	Annual	May	2021	Primary Collector
71_1254_780	30 PRINCE ALBERT RD (STK)	1254	715	847 LARKWOOD VICTORIA STREET ST KILDA	KETTLE PARK	780	12.2	1	3200	50 Asset and Commercial	Rotational	5 Yearly	May	2021	Primary Collector
71_763_640	31 SIDEY ST (WEST)	763	429	1134 RYEHILL STREET CORSTORP WEST	CALTON HILL	640	8	1	250	50 Asset and Commercial	Rotational	5 Yearly	May	2021	Access
71_391_285	33 LONSDALE ST (WEST)	391	0	412 BEAUMONTH HAWTHORN WEST	BELLEKNOC	285	10.2	1	450	50 Asset and Commercial	Rotational	5 Yearly	May	2021	Access
71_541_2250	35 KAIKORAI VALLEY RD RIGHT (WEST)	541	2220	2681 SALISBURY BRYANT STREET WEST	KAIKORAI VALLEY	2250	8	1	5000	50 Asset and Commercial	Core	Annual	May	2021	Arterial
71_1201_2300	35 KAIKORAI VALLEY RD LEFT (CEN/WEST/G)	1201	2220	2681 SALISBURY BRYANT STREET WEST	KAIKORAI VALLEY	2300	8	1	4500	50 Asset and Commercial	Core	Annual	May	2021	Arterial
71_534_50	35 BRADFORD ST (WEST)	534	0	239 KAIKORAI VALLEY BRADFORD WEST	KAIKORAI VALLEY	50	8.1	1	450	50 Asset and Commercial	Rotational	5 Yearly	May	2021	Access
71_671_1198	36 EGLINTON RD (WEST)	671	1140	1276 MCGEORGIE HIGH STREET (L) WEST	THE GLEN 4	1198	9.2	1	5000	50 Asset and Commercial	Rotational	5 Yearly	May	2021	Primary Collector
71_553_2009	38 BROCKVILL RD (CEN)	553	1919	2099 WRAY STREET SAUNDERS CENTRAL	BROCKVILL	2009	10.5	1	1800	50 Asset and Commercial	Rotational	5 Yearly	May	2021	Primary Collector
71_476_301	39 TAIERI RD (CEN)	476	172	367 NAIRN STREET WAIROA STREET CENTRAL	KAIKORAI 6	301	14.9	2	10000	50 Asset and Commercial	Core	Annual	May	2021	Arterial
71_472_1090	39 HELENSBURGH RD (CEN)	472	1044	1198 SHETLAND TAIERI RD CENTRAL	KAIKORAI 6	1090	9.6	1	4300	50 Asset and Commercial	Rotational	5 Yearly	May	2021	Primary Collector
71_509_620	39 MAYFIELD AVE (CEN)	509	553	694 HOLYROOD HELENSBURGH CENTRAL	WAKARU 67	620	8	1	450	50 Asset and Commercial	Rotational	5 Yearly	May	2021	Access
71_424_1813	40 HIGHGATE (WEST/CEN/NORTH)	424	1768	1858 DUNBLANE FAIRFAX STREET NORTH	MAORI HILL	1813	11.2	1	8600	50 Asset and Commercial	Core	Annual	May	2021	Arterial
71_430_415	40 NEWINGTON AVE (CEN/NORTH)	430	265	864 HAMEL STREET QUEENS DRIVE CENTRAL	LITTLEBOURNE	415	5.5	1	800	50 Asset and Commercial	Rotational	5 Yearly	May	2021	Secondary Collector
71_594_96	40 ERIN ST (CEN)	594	0	280 CITY ROAD SLIGO TERRACE CENTRAL	ROSLYN 57	96	5.1	1	160	50 Asset and Commercial	Rotational	5 Yearly	May	2021	Low Volume
71_291_59	43 DEVON ST (CEN)	291	0	110 WARD STREET STURDEE STREET CENTRAL	WATERFRONT	59	13.4	1	680	50 Asset and Commercial	Rotational	5 Yearly	May	2021	Secondary Collector
71_2611_153	43 ST ANDREW STREET EXTN RIGHT (CEN)	2611	0	270 ANZAC AVE ROUNDABOUT CENTRAL	WATERFRONT	153	7.8	1	8600	50 Asset and Commercial	Rotational	5 Yearly	May	2021	Arterial
71_1204_268	44 STUART ST LOWER (CEN)	1204	196	317 CUMBERLAND ANZAC AVE CENTRAL	EXCHANGE	268	13.5	1	3200	50 Asset and Commercial	Rotational	5 Yearly	May	2021	Arterial
71_2605_146	44 QUEENS GARDENS (CEN)	2605	116	169 CRAWFORD BOND STREET CENTRAL	EXCHANGE	146	7.2	1	3600	50 Asset and Commercial	Rotational	5 Yearly	May	2021	Arterial
71_381_515	45 SERPENTINE AVE (CEN)	381	265	535 CANONGATE WILLIAM STREET CENTRAL	JUBILEE PARK	515	12.5	1	4200	50 Asset and Commercial	Rotational	5 Yearly	May	2021	Primary Collector
71_222_320	46 LEITH ST (NORTH)	222	224	450 HANOVER STREET FREDERICK NORTH	CITY CENTRAL	320	14.2	1	1200	50 Asset and Commercial	Core	Annual	May	2021	Secondary Collector
71_232_100	47 CASTLE STREET NORTH (NORTH)	232	0	223 DUNDAS STREET HOWE STREET NORTH	UNIVERSITY	100	13.3	1	1200	50 Asset and Commercial	Rotational	5 Yearly	May	2021	Secondary Collector
71_60_75	48 CRAIGLEITH STREET (NORTH)	60	0	117 NORTH ROAD RANDOLPH NORTH	OPOHO 82	75	6.3	1	450	50 Asset and Commercial	Rotational	5 Yearly	May	2021	Access
71_79_570	48 SIGNAL HILL ROAD (NORTH)	79	541	655 BLACKS ROAD COLIN STREET NORTH	SIGNAL HILL	570	9.6	1	1400	50 Asset and Commercial	Rotational	5 Yearly	May	2021	Secondary Collector
71_155_175	51 FULTON ROAD (NORTH)	155	0	388 MALVERN STREET GLENMORIE NORTH	LEITH VALL	175	8	1	650	50 Asset and Commercial	Rotational	5 Yearly	May	2021	Access
71_189_280	52 BARCLAY STREET (NORTH)	189	0	318 BUCCLEUGH CROYDEN STREET NORTH	PINE HILL 8	280	5.3	1	300	50 Asset and Commercial	Rotational	5 Yearly	May	2021	Access
71_898_130	25 PORTOBELLO RD (EAST-EAST/R)	898	0	371 SHORE STREET MARNE STREET EAST	ANDERSON	130	7.5	2	6800	50 Asset and Commercial	Core	5 Yearly	May	2021	Arterial
71_1564_680	10 HIGH STREET (MSI)	1564	652	752 DOON STREET WICKLIFFE MOSGIEL	NORTH MO	680	10.4	1	2600	50 Asset and Commercial	Rotational	5 Yearly	June	2021	Secondary Collector
71_1527_114	11 KINMONT CRES (MSI)	1527	0	152 CLYDE STREET GEBBIE STREET MOSGIEL	EAST MOSC	114	9.3	1	700	50 Asset and Commercial	Core	Annual	June	2021	Access
71_1614_50	12 TYNE STREET (MSI)	1614	0	101 GORDON ROAD FORTH STREET MOSGIEL	SOUTH MO	50	13.5	1	1250	50 Asset and Commercial	Rotational	5 Yearly	June	2021	Secondary Collector
71_1624_323	16 SADDLE HILL ROAD (SH)	1624	250	325 START OF L' END OF K&S SADDLE HILL SADDLE HILL		323	6	1	450	80 Asset and Commercial	Rotational	5 Yearly	June	2021	Secondary Collector
71_1463_170	21 BLACKHEAD ROAD (GI/SH)	1463	0	255 STENOPE MULFORD GREEN ISLAND CONCORD		170	9	1	2100	50 Asset and Commercial	Rotational	5 Yearly	June	2021	Primary Collector
71_1415_320	22 DISTRICT ROAD (GI)	1415	247	476 EDINBURGH CHURCH STREET GREEN ISLAND GREEN ISLAND		320	6.7	1	170	50 Asset and Commercial	Rotational	5 Yearly	June	2021	Access
71_794_100	23 FAWCETT STREET (EAST)	794	70	375 NO 94 ATKINSON STREET EAST	TONGA PARK	100	6	1	200	50 Asset and Commercial	Rotational	5 Yearly	June	2021	Access
71_811_950	23 HILLSIDE ROAD (EAST)	811	891	1031 WESLEY STREET BRADSHAW EAST	HILLSIDE 25	950	14.2	2	14000	50 Asset and Commercial	Rotational	5 Yearly	June	2021	Arterial
71_359_1700	24 SOUTH ROAD (WEST/EAST)	359	1667	1775 DAVID STREET PLAYFAIR STREET EAST	CAVERSHAIR	1700	13.5	2	11000	50 Asset and Commercial	Core	Annual	June	2021	Arterial
71_1070_40	24 BARNES DRIVE (EAST)	1070	0	76 SOUTH ROAD CAVERSHAIR EAST	CAVERSHAIR	40	10.9	1	8100	50 Asset and Commercial	Rotational	5 Yearly	June	2021	Arterial
71_275_700	25 PORTSMOUTH DRIVE RIGHT (EAST)	275	600	862 MIDLAND STREET TEVIOT STREET EAST	ANDERSON	700	7.5	2	9500	60 Asset and Commercial	Core	Annual	June	2021	Arterial
71_277_500	25 TEVIOT STREET (EAST)	277	317	644 OTAKI STREET PORTSMOUTH EAST	ANDERSON	500	13.2	1	3100	50 Asset and Commercial	Rotational	5 Yearly	June	2021	Primary Collector
71_1195_550	26 ANDERSONS BAY ROAD LEFT (EAST)	1195	382	623 ORARI STREET MCBRIDE STREET EAST	SOUTH DUN	550	10.5	2	10000	50 Asset and Commercial	Core	Annual	June	2021	Arterial
71_799_300	26 OXFORD STREET (EAST)	799	265	469 FINGALL STREET KING EDWARD EAST	SOUTH DUN	300	5.5	1	500	50 Asset and Commercial	Rotational	5 Yearly	June	2021	Access
71_869_50	27 BAYFIELD ROAD (EAST)	869	0	117 MUSSELBURN ELLIOT STREET EAST	TOMAHAWK	50	10.8	1	2000	50 Asset and Commercial	Rotational	5 Yearly	June	2021	Secondary Collector
71_896_169	28 MARNE STREET (EAST)	896	0	349 PORTOBELLO LARNACH STREET EAST	WAVERLEY	169	7.9	2	7400	50 Asset and Commercial	Core	Annual	June	2021	Primary Collector
71_896_500	28 MARNE STREET (EAST)	896	349	678 LARNACH STREET SOMERVILLE EAST	WAVERLEY	500	7.9	1	4000	50 Asset and Commercial	Rotational	5 Yearly	June	2021	Primary Collector
71_898_9267	29 PORTOBELLO RD (EAST-EAST/R)	898	9220	9625 CASTLEWOOD RAYNBIRD STREET RURAL MACANDREW		9267	8.4	1	2700	50 Asset and Commercial	Rotational	5 Yearly	June	2021	Arterial
71_1311_336	30 RAVELSTON STREET (STK)	1311	314	417 GOURLEY STREET RONA STREET ST KILDA	TAHUNA 75	336	12.1	1	1100	50 Asset and Commercial	Rotational	5 Yearly	June	2021	Secondary Collector
71_759_103	31 PANMURE AVE (WEST)	759	0	294 RISELAW ROAD MARINER STREET WEST	CALTON HILL	103	7.9	1	270	50 Asset and Commercial	Rotational	5 Yearly	June	2021	Access
71_720_253	32 FORBURY ROAD (WEST)	720	85	396 SUSSEX STREET MACANDREW WEST	KEW 34	253	13.6	2	9500	50 Asset and Commercial	Core	Annual	June	2021	Arterial
71_581_150	33 HART STREET (WEST)	581	0	324 BELLEVUE STREET ROSS STREET WEST	ROSS STREET AR	150	5.5	1	180	50 Asset and Commercial	Rotational	5 Yearly	June	2021	Low Volume
71_298_200	43 STURDEE STREET (CEN)	298	144	289 DEVON STREET BAUCHOP STREET CENTRAL	WATERFRONT	200	13.4	1	400	50 Asset and Commercial	Core	Annual	June	2021	Secondary Collector

71_2596_153	43 ST ANDREW ST EXTN LEFT (CEN)	2596	0	280 ANZAC AVE ROUNDAB	CENTRAL WATERFR	153	4.7	1	4750	50 Asset and Commercial	Rotational	5 Yearly	June	2021	Arterial
71_342_150	44 WATER ST (CEN)	342	126	194 CRAWFOR	VOGEL ST CENTRAL EXCHANGE	150	13.5	1	820	50 Asset and Commercial	Rotational	5 Yearly	June	2021	Access
71_366_100	45 AIREDALE ST (CEN)	366	0	146 SERPENTIN	SUTHERLAN CENTRAL JUBILEE PA	100	5.3	1	200	50 Asset and Commercial	Rotational	5 Yearly	June	2021	Access
71_231_50	47 BUTTS RD (NORTH)	231	0	580 RAVENSBO	LOGAN PA NORTH UNIVERSIT	50	6.8	1	1450	50 Asset and Commercial	Rotational	5 Yearly	June	2021	Secondary Collector
71_241_75	49 ELLIS ST (NORTH)	241	0	109 GREAT KIN	CUMBERLAN NORTH NORTH DU	75	2.6	1	250	50 Asset and Commercial	Rotational	5 Yearly	June	2021	Access
71_185_476	50 PINE HILL RD (NORTH)	185	432	548 FRANKLIN	GLADSTON NORTH DALMORE	476	11	1	3700	50 Asset and Commercial	Rotational	5 Yearly	June	2021	Primary Collector
71_1489_820	12 FORFAR ST (MSI)	1489	774	873 GLASGOW	BUSH RD MOSGIEL SOUTH MC	820	13	1	1400	50 Asset and Commercial	Rotational	5 Yearly	July	2021	Access
71_1388_50	22 HOWDEN ST (GI)	1388	0	105 MAIN SOU	SHAND ST GREEN ISLA GREEN ISLA	50	7.1	1	650	50 Asset and Commercial	Rotational	5 Yearly	July	2021	Access
71_275_375	25 PORTSMOUTH DRIVE RIGHT (EAST)	275	215	600 ORARI ST	MIDLAND S EAST ANDERSON	375	7.5	2	11500	60 Asset and Commercial	Rotational	5 Yearly	July	2021	Arterial
71_985_70	29 ALLANS BEACH RD (EAST/R)	985	0	155 HARINGTO	SHERWOOD EAST RURA PORTOBELI	70	5.3	1	400	50 Asset and Commercial	Rotational	5 Yearly	July	2021	Secondary Collector
71_1255_140	30 AJAX ST (STK)	1255	106	186 LARKWORT	JACKSON S ST KILDA KETTLE PA	140	7.5	1	150	50 Asset and Commercial	Rotational	5 Yearly	July	2021	Low Volume
71_702_360	32 ABERDEEN RD (WEST)	702	0	405 RAVENSW	CUTCLIFFE WEST ST CLAIR 3	360	8.3	1	2000	50 Asset and Commercial	Rotational	5 Yearly	July	2021	Secondary Collector
71_735_50	32 GILMERTON ST (WEST)	735	0	109 HILLHEAD	MIDDLETON WEST KEW 34	50	8.6	1	625	50 Asset and Commercial	Rotational	5 Yearly	July	2021	Access
71_390_1460	37 KENMURE RD (WEST)	390	1379	1614 ENGLISH	A STANLEY ST WEST LOOKOUT	1460	8	1	4500	50 Asset and Commercial	Rotational	5 Yearly	July	2021	Primary Collector
71_1671_43	38 MOUNT GRAND RD (SH)	1671	0	145 DALZIEL	RC SEAL JOIN SADDLE HIL KAIKORAI	43	7	1	350	50 Asset and Commercial	Rotational	5 Yearly	July	2021	Secondary Collector
71_498_137	39 CHAPMAN ST (CEN)	498	0	266 BALMACEV	BURT ST CENTRAL WAKARI 67	137	8.1	1	460	50 Asset and Commercial	Rotational	5 Yearly	July	2021	Access
71_424_2313	40 HIGHGATE (WEST/CEN/NORTH)	424	2273	2392 MONRO	ST ROUNDAB NORTH MAORI HIL	2313	12.2	1	8500	50 Asset and Commercial	Rotational	5 Yearly	July	2021	Arterial
71_280_150	43 BIRCH ST (CEN)	280	110	286 BULLER ST	KITCHENER CENTRAL HARBOUR	150	17.1	1	450	50 Asset and Commercial	Rotational	5 Yearly	July	2021	Secondary Collector
71_322_478	44 PRINCES ST (CEN/EAST)	322	403	584 HIGH ST	MANSE ST CENTRAL EXCHANGE	478	20.2	4	10300	50 Asset and Commercial	Rotational	5 Yearly	July	2021	Arterial
71_412_420	44 FILLEUL ST (CEN)	412	386	493 HANOVER	GLADSTON CENTRAL CITY RISE 7	420	13.5	1	3500	30 Asset and Commercial	Rotational	5 Yearly	July	2021	Arterial
71_375_75	45 ELM ROW (CEN)	375	0	145 BISHOPS	PI BROWN ST CENTRAL JUBILEE PA	75	13.5	1	205	50 Asset and Commercial	Rotational	5 Yearly	July	2021	Access
71_216_50	47 FREDERICK ST (NORTH)	216	0	121 GEORGE ST	GREAT KIN NORTH MUSEUM 7	50	13.4	1	8000	50 Asset and Commercial	Rotational	5 Yearly	July	2021	Arterial
71_1939_1880	4 FACTORY RD (TAI)	1939	1794	1973 CALEDONI	CENTRE ST TAIERI WINGATUI	1880	13	1	3800	50 Asset and Commercial	Core	Annual	August	2021	Arterial
71_2925_25	4 IRWIN LOGAN DRIVE (TAI)	2925	0	51 GLADSTON	HEATHFIEL TAIERI WINGATUI	25	7.8	1	450	50 Asset and Commercial	Rotational	5 Yearly	August	2021	Access
71_2168_7660	6 MAUNGATUA RD (TAI)	2168	6003	9072 BRIDGE	22 WAIKORAI TAIERI MAUNGAT	7660	7	1	250	100 Asset and Commercial	Rotational	5 Yearly	August	2021	Secondary Collector
71_1968_1657	7 GORDON RD (TAI)	1968	1025	2450 SCHOOL	RE DUKES RD TAIERI NORTH TAI	1657	5.4	1	880	80 Asset and Commercial	Core	Annual	August	2021	Secondary Collector
71_1952_683	7 MILNERS RD (TAI)	1952	0	1206 DUKES RD	PUDDLE AL TAIERI NORTH TAI	683	6	1	1000	100 Asset and Commercial	Rotational	5 Yearly	August	2021	Primary Collector
71_1648_340	15 QUEEN ST (SH)	1648	195	438 PEARSE ST	TRECASTEL SADDLE HIL BRIGHTON	340	6.2	1	80	50 Asset and Commercial	Rotational	5 Yearly	August	2021	Low Volume
71_1348_1187	21 EMERSON ST (GI)	1348	1113	1230 MULFORD	MAIN SOU GREEN ISLA CONCORD	1187	9	1	2500	50 Asset and Commercial	Core	Annual	August	2021	Secondary Collector
71_788_35	24 SYDNEY ST (EAST)	788	0	152 BARNES	DR LANCEFIELL EAST CAVERSHA	35	6.1	1	390	50 Asset and Commercial	Rotational	5 Yearly	August	2021	Access
71_1328_300	27 CRANLEY ST (EAST)	1328	265	375 MARLOW	S RAVELSTON EAST TAINUI 11	300	7.2	1	350	50 Asset and Commercial	Rotational	5 Yearly	August	2021	Access
71_985_1500	29 ALLANS BEACH RD (EAST/R)	985	1310	1610 CULVERT	8 HOOPERS I EAST RURA HIGHCLIFF	1500	5.5	1	250	50 Asset and Commercial	Rotational	5 Yearly	August	2021	Secondary Collector
71_1323_350	30 JACKSON ST (STK)	1323	292	395 FREYBERG	MILLS ST ST KILDA KETTLE PA	350	7.5	1	175	50 Asset and Commercial	Rotational	5 Yearly	August	2021	Low Volume
71_384_90	33 BEAUMONT RD (WEST)	384	52	128 LONSDALE	ROSEBERY WEST BELLEKN	90	8.5	1	1100	50 Asset and Commercial	Rotational	5 Yearly	August	2021	Secondary Collector
71_652_150	36 GLENPARK AVE (WEST)	652	80	212 LAURIE ST	ARGYLE ST WEST THE GLEN	150	7.8	1	1700	50 Asset and Commercial	Rotational	5 Yearly	August	2021	Secondary Collector
71_512_70	39 ROSEBANK AVE (CEN)	512	0	168 LYNN ST	BURT ST CENTRAL WAKARI 67	70	9.5	1	175	50 Asset and Commercial	Rotational	5 Yearly	August	2021	Low Volume
71_590_300	40 ANN ST (CEN)	590	193	533 HEREFORD	FALCON ST CENTRAL ROSLYN 57	300	5.7	1	330	50 Asset and Commercial	Rotational	5 Yearly	August	2021	Access
71_285_164	43 WHARF ST- RIGHT (CEN)	285	0	174 STRATHALL	KITCHENER CENTRAL HARBOUR	164	8.7	2	11000	60 Asset and Commercial	Rotational	5 Yearly	August	2021	Arterial
71_301_115	43 WARD ST (CEN)	301	0	138 ROUNDAB	DEVON ST CENTRAL WATERFR	115	12.3	1	4100	50 Asset and Commercial	Rotational	5 Yearly	August	2021	Primary Collector
71_401_100	44 BATH ST (CEN)	401	0	169 GEORGE ST	STUART ST CENTRAL EXCHANGE	100	5.9	1	580	30 Asset and Commercial	Rotational	5 Yearly	August	2021	Access
71_375_180	45 ELM ROW (CEN)	375	145	218 BROWN ST	ELM ROW I CENTRAL JUBILEE PA	180	13	1	450	50 Asset and Commercial	Rotational	5 Yearly	August	2021	Access
71_62_500	48 EVANS ST (NORTH)	62	444	557 BLACKS RD	COLIN ST NORTH SIGNAL HIL	500	7	1	550	50 Asset and Commercial	Rotational	5 Yearly	August	2021	Access
71_105_90	50 PENTLAND ST (NORTH)	105	0	244 NORTH RD	COBURN A NORTH NORMANB	90	8	1	150	50 Asset and Commercial	Rotational	5 Yearly	August	2021	Low Volume
71_200_300	52 MAXWELLTON ST (NORTH)	200	0	981 PINE HILL	R PATMOS A NORTH PINE HILL 8	300	4.6	1	80	50 Asset and Commercial	Rotational	5 Yearly	August	2021	Low Volume
71_1440_130	56 GREY ST (PC)	1440	0	168 GEORGE ST	SCOTIA ST PORT CHAL PORT CHAL	130	13.4	1	850	50 Asset and Commercial	Rotational	5 Yearly	August	2021	Access
71_1433_8900	58 BLUESKIN RD (PC/WC)	1433	8089	9882 GREEN RD	MT CARGIL WAIK. COA MOUNT CA	8900	6	1	450	100 Asset and Commercial	Rotational	5 Yearly	August	2021	Secondary Collector
71_1775_2350	58 DOCTORS POINT RD (WC)	1775	2316	2923 CULVERT	B END OF SE/ WAIK. COA WAITATI C	2350	5.2	1	250	80 Asset and Commercial	Rotational	5 Yearly	August	2021	Access
71_1789_155	58 PITT ST (WC)	1789	100	201 HARVEY ST	BROWN ST WAIK. COA WAITATI C	155	7.8	1	750	50 Asset and Commercial	Rotational	5 Yearly	August	2021	Access
71_1690_13680	60 COAST RD (WC)	1690	13395	13795 STORNOW	BARRA ST WAIK. COA KARITANE	13680	7	1	800	50 Asset and Commercial	Core	Annual	August	2021	Secondary Collector
71_1690_1650	60 COAST RD (WC)	1690	1396	2130 PARK RD	PORTEOUS WAIK. COA WARRINGT	1650	6.5	1	400	70 Asset and Commercial	Rotational	5 Yearly	August	2021	Secondary Collector
71_1858_140	61 BEACH ST (WC)	1858	0	323 SH.1	COLLINS ST WAIK. COA WAIKOUAI	140	7.2	1	1000	50 Asset and Commercial	Core	Annual	August	2021	Secondary Collector
71_1863_400	61 COLLINS ST (WC)	1863	359	481 GEELONG	S DAME ST WAIK. COA WAIKOUAI	400	9.1	1	500	50 Asset and Commercial	Rotational	5 Yearly	August	2021	Access
71_2236_1094	9 FACTORY RD (MSI)	2236	1082	1386 REID AVE	GORDON R MOSGIEL AERO 89	1094	13.9	1	6400	50 Asset and Commercial	Core	Annual	September	2021	Arterial
71_1564_180	10 HIGH ST (MSI)	1564	0	374 FACTORY	R GREEN ST MOSGIEL NORTH MC	180	13.8	1	2800	50 Asset and Commercial	Core	Annual	September	2021	Secondary Collector
71_2242_30	10 BALMORAL AVE (MSI)	2242	0	52 HAGART	AL END OF BRI MOSGIEL NORTH MC	30	7.1	1	450	50 Asset and Commercial	Rotational	5 Yearly	September	2021	Access
71_1558_260	11 QUARRY RD (MSI)	1558	0	303 BRAESIDE	F TWEEED ST MOSGIEL EAST MOS	260	10.7	1	1300	50 Asset and Commercial	Rotational	5 Yearly	September	2021	Primary Collector
71_1607_328	12 IRVINE ST (MSI)	1607	222	444 AYR ST	LANARK ST MOSGIEL SOUTH MC	328	12.9	1	670	50 Asset and Commercial	Rotational	5 Yearly	September	2021	Access
71_2619_1059	14 MAIN ROAD (SH)	2619	759	1181 HOWORTH	COCKBURN SADDLE HIL FAIRFIELD	1059	14	1	2700	50 Asset and Commercial	Core	Annual	September	2021	Primary Collector
71_1358_45	15 KAYFORCE RD (SH)	1358	0	105 EDNA ST	BENNETT R SADDLE HIL OCEAN VIE	45	5.9	1	400	50 Asset and Commercial	Rotational	5 Yearly	September	2021	Access
71_1576_1850	16 MORRIS RD (SH)	1576	1847	2483 COALSTAG	BRAESIDE SADDLE HIL CHAIN HILL	1850	9	1	1200	80 Asset and Commercial	Core	Annual	September	2021	Primary Collector
71_1381_15	19 NORTH TAIERI RD (GI)	1381	0	145 SEVERN ST	EXMOUTH GREEN ISLA ABBOTSF	15	9.8	1	3000	50 Asset and Commercial	Rotational	5 Yearly	September	2021	Secondary Collector
71_1201_4581	20 KAIKORAI VALLEY RD LEFT (CEN/WEST/G	1201	4542	4740 SHORT ST	MCLEODS F GREEN ISLA ABBOTSF	4581	13.8	2	11000	50 Asset and Commercial	Core	Annual	September	2021	Arterial
71_1342_299	21 ROY CRES (GI)	1342	0	564 BELL CRES	EMERSON GREEN ISLA CONCORD	299	8	1	250	50 Asset and Commercial	Rotational	5 Yearly	September	2021	Access
71_1283_150	22 SHAND ST- LEFT (GI)	1283	0	177 CHURCH ST	JENKINS ST GREEN ISLA GREEN ISLA	150	7.5	1	660	50 Asset and Commercial	Rotational	5 Yearly	September	2021	Access
71_792_780	23 BAY VIEW RD (EAST)	792	656	937 KINGS AVE	MOREAU S EAST TONGA PAI	780	11.6	2	5000	50 Asset and Commercial	Core	Annual	September	2021	Primary Collector
71_811_1438	23 HILLSIDE RD (EAST)	811	1396	1541 NELSON ST	SURREY ST EAST BATHGATE	1438	14.2	2	12100	50 Asset and Commercial	Core	Annual	September	2021	Arterial
71_797_514	23 MACANDREW RD (EAST)	797	382	644 KING EDW	ATKINSON EAST HILLSIDE 2	514	11.4	1	7400	50 Asset and Commercial	Rotational	5 Yearly	September	2021	Primary Collector
71_830_25	23 JOYCE AVE (EAST)	830	0	52 FOX ST	REID RD EAST HILLSIDE 2	25	6.8	1	100	50 Asset and Commercial	Rotational	5 Yearly	September	2021	Low Volume
71_772_430	24 PLAYFAIR ST (EAST)	772	310	596 HAZEL AVE	MURRAY S EAST CAVERSHA	430	9.5	1	5500	50 Asset and Commercial	Rotational	5 Yearly	September	2021	Primary Collector
71_855_50	25 CAVELL ST (EAST)	855	0	164 MUSSELBU	CRANLEY S EAST ANDERSON	50	8.7	1	2000	50 Asset and Commercial	Rotational	5 Yearly	September	2021	Secondary Collector
71_848_68	26 RANKEILOR ST (EAST)	848	0	106 HILLSIDE	RI LORNE ST EAST SOUTH DUL	68	6.7	1	700	50 Asset and Commercial	Rotational	5 Yearly	September	2021	Access

71_864_1100	27 MUSSELBURGH RISE (EAST)	864	995	1137 SHORE ST BAYFIELD REAST	TAINUI 11	1100	14.3	2	9300	50 Asset and Commercial	Core	Annual	September 2021	Primary Collector
71_885_93	27 SOMERVILLE ST (EAST)	885	55	150 SILVERTON CRANSTON EAST	TOMAHAW	93	7.8	1	2400	50 Asset and Commercial	Rotational	5 Yearly	September 2021	Secondary Collector
71_921_450	28 GLENGYLE ST (EAST)	921	372	684 BRAEBURN KENILWOR' EAST	WAVERLEY	450	5.1	1	100	50 Asset and Commercial	Rotational	5 Yearly	September 2021	Low Volume
71_987_36	29 BACON ST (EAST/R)	987	0	61 PORTOBELI OXLEY CRE' EAST RURA	PORTOBELI	36	4.7	1	185	50 Asset and Commercial	Rotational	5 Yearly	September 2021	Low Volume
71_1190_640	30 VICTORIA RD (STK)	1190	385	906 KENNEDY S PLUNKET S' ST KILDA	FORBURY F	640	10.5	1	4400	50 Asset and Commercial	Core	Annual	September 2021	Primary Collector
71_1315_130	30 BEGG ST (STK)	1315	0	300 QUEENS DF BAY VIEW F ST KILDA	TAHUNA 7:	130	8.1	1	265	50 Asset and Commercial	Rotational	5 Yearly	September 2021	Access
71_736_670	32 MIDDLETON RD (WEST)	736	640	941 LOCKERBIE GILMERTO I WEST	KEW 34	670	8.6	1	3600	50 Asset and Commercial	Core	Annual	September 2021	Primary Collector
71_744_585	32 EASTHER CRESCENT (WEST)	744	420	751 MIDDLETO SEAVIEW T WEST	KEW 34	585	8	1	600	50 Asset and Commercial	Rotational	5 Yearly	September 2021	Access
71_396_502	33 PRESTON CRESCENT (WEST)	396	334	598 GRANVILLE CARNARVC WEST	BELLEKNOV	502	9.7	1	300	50 Asset and Commercial	Rotational	5 Yearly	September 2021	Access
71_694_406	34 MAILER ST (WEST)	694	338	555 JUBILEE ST KENMURE I WEST	MORNINGT	406	11.5	2	9000	50 Asset and Commercial	Core	Annual	September 2021	Arterial
71_690_656	34 HAWTHORN AVE (WEST)	690	570	766 JUBILEE ST KENMURE I WEST	MORNINGT	656	10.5	1	2600	50 Asset and Commercial	Rotational	5 Yearly	September 2021	Secondary Collector
71_625_875	37 ELGIN RD (WEST)	625	829	938 MITCHELL / BENHAR ST WEST	LOOKOUT F	875	10.6	1	4550	50 Asset and Commercial	Core	Annual	September 2021	Primary Collector
71_556_10	38 COCKERELL ST (CEN)	556	0	924 BROCKVILL WRAY ST CENTRAL	BROCKVILL	10	8	1	300	50 Asset and Commercial	Rotational	5 Yearly	September 2021	Access
71_468_100	39 FIFE ST (CEN)	468	0	195 WAIROA ST GREENOCK CENTRAL	KAIKORAI E	100	7.7	1	100	50 Asset and Commercial	Rotational	5 Yearly	September 2021	Low Volume
71_592_102	40 CITY RD (CEN)	592	0	252 QUEENS DF ROSS ST CENTRAL	ROSLYN 57	102	10.5	1	6000	50 Asset and Commercial	Core	Annual	September 2021	Primary Collector
71_425_60	40 LYNN ST [CEN-NORTH]	425	0	151 HIGHGATE WALES ST NORTH	MAORI HIL	60	7.8	1	2100	50 Asset and Commercial	Rotational	5 Yearly	September 2021	Secondary Collector
71_354_50	41 MANSE ST (CEN)	354	0	126 PRINCES ST HIGH ST CENTRAL	MARKET RE	50	13.5	2	9100	50 Asset and Commercial	Rotational	5 Yearly	September 2021	Primary Collector
71_312_54	44 BOND ST - NORTH (CEN)	312	0	96 RATTRAY S' WATER ST CENTRAL	EXCHANGE	54	13.3	1	1200	50 Asset and Commercial	Rotational	5 Yearly	September 2021	Secondary Collector
71_250_53	47 QUEEN ST (NORTH)	250	0	103 PITT ST ALBANY ST NORTH	MUSEUM 7	53	10.9	1	700	50 Asset and Commercial	Rotational	5 Yearly	September 2021	Access
71_145_50	50 MONTAGUE ST (NORTH)	145	0	89 NORTH RD RHODES TE NORTH	NORMANB	50	7.6	1	450	50 Asset and Commercial	Rotational	5 Yearly	September 2021	Access
71_3_282	53 ATHOL PL - LOWER (NORTH)	3	240	332 TOTARA ST RATA ST NORTH	RAVENSBO	282	5.4	1	150	50 Asset and Commercial	Rotational	5 Yearly	September 2021	Low Volume
71_2151_75	1 ABERAFON ST (ST)	2151	0	123 SWANSEA ' KIRK ST STRATH TA MIDDLEMA		75	12.8	1	250	50 Asset and Commercial	Core	Annual	October 2021	Secondary Collector
71_2150_44	1 BROWNS RD (ST)	2150	0	190 SWANSEA 'A & P BOU I STRATH TA MIDDLEMA		44	5.7	1	120	50 Asset and Commercial	Rotational	5 Yearly	October 2021	Access
71_1944_33000	2 GEORGE KING MEMORIAL DRIVE (ST/TAI)	1944	31010	33375 NICHOLS R' SH. 87 STRATH TA DEEP STRE/		33000	6.1	1	50	100 Asset and Commercial	Core	Annual	October 2021	Secondary Collector
71_1934_280	4 GLADSTONE RD NORTH (TAI)	1934	0	560 PUDDLE AL MAGAZINE TAIERI	WINGATUI	280	7.3	1	670	70 Asset and Commercial	Core	Annual	October 2021	Secondary Collector
71_1939_1550	4 FACTORY RD (TAI)	1939	1542	1794 WINGATUI CALEDONIA/ TAIERI	WINGATUI	1550	10.5	1	3800	50 Asset and Commercial	Rotational	5 Yearly	October 2021	Arterial
71_1880_31	5 GREY ST (TAI)	1880	0	71 RALSTON S SH. 1 TAIERI	ALLANTON	31	6.5	1	110	50 Asset and Commercial	Rotational	5 Yearly	October 2021	Low Volume
71_1952_1708	7 MILNERS RD (TAI)	1952	1206	2351 PUDDLE AL SCHOOL RC TAIERI	NORTH TAI	1708	6.4	1	1000	100 Asset and Commercial	Rotational	5 Yearly	October 2021	Primary Collector
71_1618_60	12 BERWICK ST (MSI)	1618	0	220 LANARK ST BUSH RD MOSGIEL	SOUTH MC	60	13.9	1	160	50 Asset and Commercial	Rotational	5 Yearly	October 2021	Low Volume
71_1398_200	22 WEIR ST (GI)	1398	0	377 BRIGHTON ALLEN RD GREEN ISLA	GREEN ISLA	200	5.2	1	250	50 Asset and Commercial	Rotational	5 Yearly	October 2021	Access
71_359_1930	24 SOUTH RD (WEST/EAST)	359	1775	1967 PLAYFAIR S PETER ST EAST	CAVERSHA	1930	13.5	2	9000	50 Asset and Commercial	Rotational	5 Yearly	October 2021	Arterial
71_797_148	26 MACANDREW RD (EAST)	797	0	179 ANDERSON FINGALL ST EAST	SOUTH DUI	148	11.4	1	9000	50 Asset and Commercial	Rotational	5 Yearly	October 2021	Arterial
71_988_52	29 BEACONSFIELD RD (EAST/R)	988	0	246 PORTOBELI SEATON RC EAST RURA	PORTOBELI	52	5.6	1	450	50 Asset and Commercial	Rotational	5 Yearly	October 2021	Access
71_1278_130	30 COUGHTREY ST (STK)	1278	0	298 HARGEST C FORBURY F ST KILDA	FORBURY F	130	14.3	1	750	50 Asset and Commercial	Rotational	5 Yearly	October 2021	Secondary Collector
71_2624_226	32 WESTGATE (WEST)	2624	175	345 HILLTOP CF HILLHEAD F WEST	KEW 34	226	8.3	1	300	50 Asset and Commercial	Rotational	5 Yearly	October 2021	Access
71_672_370	36 GLEN RD (WEST)	672	274	772 HAYWOOD OSBORNE T WEST	THE GLEN 4	370	8.5	1	3700	50 Asset and Commercial	Core	Annual	October 2021	Primary Collector
71_567_483	38 SAUNDERS ST (CEN)	567	396	539 TRAVIS ST GRIGOR ST CENTRAL	BROCKVILL	483	8	1	300	50 Asset and Commercial	Rotational	5 Yearly	October 2021	Access
71_419_85	40 BURWOOD AVE (NORTH)	419	0	258 HIGHGATE NEWINGTC NORTH	MAORI HIL	85	5.7	1	100	50 Asset and Commercial	Rotational	5 Yearly	October 2021	Low Volume
71_604_80	40 FIFIELD ST (CEN)	604	0	173 HIGHGATE TWEED ST CENTRAL	LITTLEBOU	80	7.1	1	270	50 Asset and Commercial	Rotational	5 Yearly	October 2021	Access
71_294_288	43 FRYATT ST (CEN)	294	194	391 FISH ST TEWSLEY S' CENTRAL	HARBOUR I	288	14.5	1	4500	50 Asset and Commercial	Rotational	5 Yearly	October 2021	Primary Collector
71_231_1030	47 BUTTS RD (NORTH)	231	788	1180 SCHOOL ST ABBS ST NORTH	UNIVERSIT	1030	6.8	1	1400	50 Asset and Commercial	Rotational	5 Yearly	October 2021	Secondary Collector
71_233_200	49 DUNDAS ST (NORTH)	233	123	245 GREAT KIN' CUMBERLA NORTH	NORTH DU	200	13.6	1	5400	50 Asset and Commercial	Core	Annual	October 2021	Primary Collector
71_181_217	50 GLADSTONE RD (NORTH)	181	193	320 DOLPHIN S' RAMSAY ST NORTH	DALMORE :	217	7.3	1	700	50 Asset and Commercial	Rotational	5 Yearly	October 2021	Access
71_2241_320	10 DOON ST (MSI)	2241	268	364 GREтна PL DUNBAR PI MOSGIEL	NORTH MC	320	7.4	1	950	50 Asset and Commercial	Rotational	5 Yearly	November 2021	Access
71_1600_50	14 FAIRPLAY ST (SH)	1600	0	132 MARTIN RC MAIN SOU' SADDLE HIL FAIRFIELD :		50	11.7	1	725	50 Asset and Commercial	Rotational	5 Yearly	November 2021	Access
71_1647_100	15 BEDFORD PDE (SH)	1647	0	205 BATH ST HASTINGS ' SADDLE HIL BRIGHTON		100	8.1	1	260	50 Asset and Commercial	Rotational	5 Yearly	November 2021	Access
71_1566_110	17 VISCOUNT RD (SH)	1566	0	195 VULCAN RE VALIANT RI SADDLE HIL WALDRON'		110	9.7	1	320	50 Asset and Commercial	Core	Annual	November 2021	Access
71_1463_1371	18 BLACKHEAD RD (GI/SH)	1463	1310	3456 TUNNEL BE QUARRY EN SADDLE HIL BLACKHEAD		1371	6.7	1	1200	80 Asset and Commercial	Core	Annual	November 2021	Primary Collector
71_1478_440	21 STEVENSON RD (GI)	1478	239	584 WARD BOL ORR ST GREEN ISLA	GREEN CONCO	440	8.5	1	4100	50 Asset and Commercial	Rotational	5 Yearly	November 2021	Primary Collector
71_1295_45	22 EDINBURGH ST (GI)	1295	0	165 MAIN SOU' RENNIE ST GREEN ISLA	GREEN ISLA	45	7.1	1	500	50 Asset and Commercial	Core	Annual	November 2021	Access
71_800_450	23 SURREY ST (EAST)	800	397	601 HILLSIDE RI NICHOLSON' EAST	BATHGATE	450	7.5	1	670	50 Asset and Commercial	Rotational	5 Yearly	November 2021	Access
71_765_100	24 DAVID ST (EAST)	765	0	195 FORBURY F THORN ST EAST	CAVERSHA	100	12	2	12700	50 Asset and Commercial	Rotational	5 Yearly	November 2021	Arterial
71_841_250	26 BROUGHTON ST (EAST)	841	233	405 MCBRIDE S MACANDRI EAST	SOUTH DUI	250	5.9	1	750	50 Asset and Commercial	Rotational	5 Yearly	November 2021	Access
71_929_360	28 MURANO ST (EAST)	929	318	469 SCOBIE RD MCKERROV EAST	WAVERLEY	360	8	1	300	50 Asset and Commercial	Rotational	5 Yearly	November 2021	Access
71_988_767	29 BEACONSFIELD RD (EAST/R)	988	692	917 LANDRETH PORTOBELI EAST RURA	PORTOBELI	767	5.5	1	300	50 Asset and Commercial	Rotational	5 Yearly	November 2021	Access
71_1333_815	30 QUEENS DRIVE (STK)	1333	777	919 RUGBY ST ANDERSON ST KILDA	TAHUNA 7:	815	11.9	1	5800	50 Asset and Commercial	Rotational	5 Yearly	November 2021	Primary Collector
71_761_790	31 RISELAW RD (WEST)	761	650	877 PANMURE PANMURE WEST	CALTON HI	790	10.5	1	2000	50 Asset and Commercial	Core	Annual	November 2021	Secondary Collector
71_720_1378	32 FORBURY RD (WEST)	720	1344	1444 ALBERT ST VICTORIA R WEST	ST CLAIR 3:	1378	9.7	1	4000	50 Asset and Commercial	Rotational	5 Yearly	November 2021	Arterial
71_390_580	33 KENMURE RD (WEST)	390	453	796 NEWPORT STONE ST (I) WEST	BELLEKNOV	580	12.1	1	5500	50 Asset and Commercial	Rotational	5 Yearly	November 2021	Primary Collector
71_536_100	35 DONALD ST (WEST)	536	0	250 KAIKORAI V END WEST	KAIKORAI V	100	13.5	1	1200	50 Asset and Commercial	Rotational	5 Yearly	November 2021	Secondary Collector
71_679_300	36 PATRICK ST (WEST)	679	281	473 ELBE ST NEIDPATH I WEST	THE GLEN 4	300	6.2	1	240	50 Asset and Commercial	Rotational	5 Yearly	November 2021	Access
71_638_75	37 STANLEY ST (WEST)	638	0	158 ELGIN RD STANSFIELD WEST	LOOKOUT F	75	8	1	480	50 Asset and Commercial	Rotational	5 Yearly	November 2021	Access
71_472_764	39 HELENSBURGH RD (CEN)	472	563	825 BALMACEV MAYFIELD , CENTRAL	WAKARI 67	764	10	1	3700	50 Asset and Commercial	Core	Annual	November 2021	Primary Collector
71_476_1180	39 TAIERI RD (CEN)	476	1030	1235 BROOMLE/ HELENSBUI CENTRAL	KAIKORAI E	1180	13.4	2	9500	50 Asset and Commercial	Rotational	5 Yearly	November 2021	Arterial
71_503_46	39 FORRESBANK AVE (CEN)	503	0	260 GREENHILL SHETLAND CENTRAL	WAKARI 67	46	7.8	1	200	50 Asset and Commercial	Rotational	5 Yearly	November 2021	Access
71_420_300	40 CLAREMONT ST (CEN)	420	172	392 HAMEL ST HIGHGATE CENTRAL	LITTLEBOU	300	7.4	1	850	50 Asset and Commercial	Rotational	5 Yearly	November 2021	Access
71_446_159	40 DRIVERS RD (NORTH)	446	0	189 HIGHGATE BAXTER ST NORTH	MAORI HIL	159	10.2	1	4500	50 Asset and Commercial	Rotational	5 Yearly	November 2021	Primary Collector
71_610_60	40 OBAN ST (CEN)	610	0	111 HIGHGATE TYNE ST CENTRAL	LITTLEBOU	60	8.4	1	1250	50 Asset and Commercial	Rotational	5 Yearly	November 2021	Secondary Collector
71_432_300	41 QUEENS DRIVE (CEN/NORTH)	432	71	399 HIGH STREI HAWTHOR CENTRAL	MARKET RE	300	9.3	1	1700	50 Asset and Commercial	Rotational	5 Yearly	November 2021	Secondary Collector
71_290_550	43 CRESSWELL ST (CEN)	290	523	568 DEVON ST FRYATT ST CENTRAL	HARBOUR I	550	13.6	1	750	50 Asset and Commercial	Rotational	5 Yearly	November 2021	Secondary Collector
71_323_221	44 VOGEL ST (CEN)	323	93	235 WATER ST JETTY ST CENTRAL	EXCHANGE	221	13.2	1	1100	50 Asset and Commercial	Rotational	5 Yearly	November 2021	Secondary Collector

71_337_57	45 RATTRAY ST (CEN)	337	0	195 QUEENS DF ARTHUR ST CENTRAL	JUBILEE PA	57	14.6	2	6400	50 Asset and Commercial	Rotational	5 Yearly	November 2021	Primary Collector
71_154_50	47 DUKE ST (NORTH)	154	0	135 CASTLE ST I CUMBERLA NORTH	UNIVERSIT	50	5.8	1	550	50 Asset and Commercial	Rotational	5 Yearly	November 2021	Access
71_2669_175	47 ST DAVID ST - EAST (NORTH)	2669	122	245 FORTH ST HARBOUR NORTH	UNIVERSIT	175	7.9	1	350	50 Asset and Commercial	Rotational	5 Yearly	November 2021	Access
71_233_304	49 DUNDAS ST (NORTH)	233	245	368 CUMBERLA CASTLE ST I NORTH	NORTH DU	304	13.6	1	7200	50 Asset and Commercial	Rotational	5 Yearly	November 2021	Primary Collector
71_163_1440	51 MALVERN ST (NORTH)	163	1348	2347 PATMOS A' FULTON RC NORTH	LEITH VALL	1440	7.5	1	1350	50 Asset and Commercial	Rotational	5 Yearly	November 2021	Secondary Collector
71_199_50	52 LOWE ST (NORTH)	199	0	122 PINE HILL R HILLARY ST NORTH	PINE HILL 8	50	12.8	1	375	50 Asset and Commercial	Rotational	5 Yearly	November 2021	Access
71_1451_185	55 STATION RD (PC)	1451	167	232 FREYBERG , CONSTANT PORT CHAL	SAWYERS E	185	7.5	1	2050	50 Asset and Commercial	Core	Annual	November 2021	Secondary Collector
71_2218_100	55 STEVENSON AVE (PC)	2218	0	116 RESERVOIR MILL ST PORT CHAL	SAWYERS E	100	8.1	1	800	50 Asset and Commercial	Rotational	5 Yearly	November 2021	Secondary Collector
71_1444_170	56 MAGNETIC ST (PC)	1444	0	304 CONSTITUT BERNICIA S PORT CHAL	PORT CHAL	170	10	1	450	50 Asset and Commercial	Rotational	5 Yearly	November 2021	Access
71_1810_6300	58 MT CARGILL RD (WC)	1810	3848	6388 MT KETTLE GREEN RD WAIK. COA	MOUNT CA	6300	5.5	1	300	100 Asset and Commercial	Core	Annual	November 2021	Secondary Collector
71_1754_40	58 MIHIWAKA RD (WC)	1754	0	650 PURAKAUN DRIVER ST WAIK. COA	PURAKAUN	40	6.9	1	230	80 Asset and Commercial	Rotational	5 Yearly	November 2021	Secondary Collector
71_1716_50	60 SEAFORTH ST (WC)	1716	0	269 COAST RD END WAIK. COA	KARITANE	50	5	1	300	50 Asset and Commercial	Rotational	5 Yearly	November 2021	Access
71_2963_30	43 WARD ST OVERBRIDGE (CEN)	2963	0	62 WEST END EAST END CENTRAL	WATERFR	30	13.3	1	4000	50 Asset and Commercial	Core	Annual	November 2021	Arterial
71_1677_60	12 SOUTER ST (MSI)	1677	0	109 TAY ST GRAHAM S MOSGIEL	SOUTH MC	60	8	1	450	50 Asset and Commercial	Rotational	5 Yearly	December 2021	Access
71_1462_3130	18 GREEN ISLAND BUSH RD (SH)	1462	2765	3504 SEAL JOIN - BLACKHEAI SADDLE HIL	BLACKHEAI	3130	6	1	170	80 Asset and Commercial	Rotational	5 Yearly	December 2021	Access
71_1287_3385	22 MAIN SOUTH RD (GI)	1287	3176	3553 HOWDEN S MAIN SOU GREEN ISLA	GREEN ISLA	3385	14.2	1	8200	50 Asset and Commercial	Rotational	5 Yearly	December 2021	Arterial
71_320_550	23 KING EDWARD ST (EAST)	320	499	626 LORNE ST MCBRIDE S EAST	HILLSIDE 2	550	13.4	2	10000	50 Asset and Commercial	Core	Annual	December 2021	Arterial
71_791_80	23 ATKINSON ST (EAST)	791	0	135 MACANDRI MELBOURN EAST	TONGA PAI	80	6.3	1	630	50 Asset and Commercial	Rotational	5 Yearly	December 2021	Access
71_813_68	23 LAW ST (EAST)	813	0	211 SOUTH RD NEVILLE ST EAST	BATHGATE	68	12.2	1	500	50 Asset and Commercial	Rotational	5 Yearly	December 2021	Access
71_899_230	25 RAWHITI ST (EAST)	899	0	482 MOANA CR MARAMA S EAST	ANDERSON	230	6.8	1	350	50 Asset and Commercial	Rotational	5 Yearly	December 2021	Access
71_310_550	26 ANDERSONS BAY RD RIGHT (EAST)	310	381	624 HILLSIDE RI MCBRIDE S EAST	SOUTH DUI	550	10.4	2	11000	50 Asset and Commercial	Core	Annual	December 2021	Arterial
71_867_918	27 TAHUNA RD (EAST)	867	742	1100 NORMAN S TOMAHAW EAST	TOMAHAW	918	8	1	2300	50 Asset and Commercial	Rotational	5 Yearly	December 2021	Secondary Collector
71_969_217	29 HOWARD ST (EAST/R)	969	0	233 MARION ST BARLING S EAST RURA	MACANDRI	217	5.2	1	110	50 Asset and Commercial	Rotational	5 Yearly	December 2021	Low Volume
71_1333_410	30 QUEENS DRIVE (STK)	1333	323	551 MARLOW S RAVELSTON ST KILDA	TAHUNA 7	410	11.9	1	4600	50 Asset and Commercial	Rotational	5 Yearly	December 2021	Primary Collector
71_424_62	33 HIGHGATE (WEST/CEN/NORTH)	424	0	358 EPSILON ST ROSS ST WEST	ROSS ST AR	62	7.5	1	4200	50 Asset and Commercial	Core	Annual	December 2021	Primary Collector
71_687_177	34 DURHAM ST (WEST)	687	0	255 WHITBY ST ELGIN RD WEST	MORNINGT	177	6.7	1	150	50 Asset and Commercial	Rotational	5 Yearly	December 2021	Low Volume
71_553_1400	38 BROCKVILLE RD (CEN)	553	1313	1515 COCKERELL WRAY ST CENTRAL	BROCKVILL	1400	10.5	1	4600	Asset and Commercial	Core	Annual	December 2021	Primary Collector
71_553_750	38 BROCKVILLE RD (CEN)	553	737	1313 CHARTERS COCKERELL CENTRAL	BROCKVILL	750	10.5	1	5000	50 Asset and Commercial	Rotational	5 Yearly	December 2021	Primary Collector
71_516_1300	39 ASHMORE ST (CEN)	516	1270	1369 BALMAIN S TAIERI RD CENTRAL	HALFWAY E	1300	10.5	1	1000	50 Asset and Commercial	Rotational	5 Yearly	December 2021	Secondary Collector
71_242_371	44 GEORGE ST (NORTH/CEN)	242	254	476 ST ANDREV HANOVER S CENTRAL	CITY RISE 7	371	12.2	2	9800	30 Asset and Commercial	Core	Annual	December 2021	Arterial
71_242_50	44 GEORGE ST (NORTH/CEN)	242	0	113 OCTAGON MORAY PL CENTRAL	CITY RISE 7	50	13.1	2	9500	30 Asset and Commercial	Rotational	5 Yearly	December 2021	Arterial
71_185_1450	52 PINE HILL RD (NORTH)	185	1334	1547 RALEIGH ST CAMPBELL NORTH	PINE HILL 8	1450	10.2	1	1350	50 Transportation Planning	Core	Annual	December 2021	Secondary Collector
71_1920_300	3 HOYLAKE ST (TAI)	1920	239	358 LYNAS ST BEAUMARI TAIERI	OUTRAM 3	300	12.8	1	1000	50 Asset and Commercial	Core	Annual	February 2022	Primary Collector
71_1942_970	4 WINGATUI RD (TAI)	1942	726	1789 FACTORY R SOPER RD TAIERI	WINGATUI	970	6.3	1	1400	50 Asset and Commercial	Core	Annual	February 2022	Secondary Collector
71_3101_100	4 CALEDONIA DRIVE (TAI)	3101	0	184 FACTORY R DIDHAM D TAIERI	WINGATUI	100	8.3	1	75	50 Asset and Commercial	Rotational	5 Yearly	February 2022	Access
71_1880_200	5 GREY ST (TAI)	1880	71	236 SH. 1 DOUGLAS S TAIERI	ALLANTON	200	6.5	1	450	50 Asset and Commercial	Core	Annual	February 2022	Access
71_1988_172	6 ALLANTON RD (TAI)	1988	0	1804 CENTRE RD NICHOLS RI TAIERI	MOMONA	172	6.3	1	700	100 Asset and Commercial	Core	Annual	February 2022	Primary Collector
71_2224_5051	6 CENTRE RD (TAI)	2224	5005	6356 POPLAR RD MARSHALL TAIERI	MOMONA	5051	6.2	1	550	100 Asset and Commercial	Core	Annual	February 2022	Secondary Collector
71_1960_2168	7 RICCARTON RD - WEST (TAI)	1960	1419	2251 BUSH RD END BRIDG TAIERI	EAST TAIER	2168	6.7	1	1500	80 Asset and Commercial	Core	Annual	February 2022	Primary Collector
71_1956_930	7 BUSH RD (TAI)	1956	0	1820 RICCARTON GLADFIELD TAIERI	NORTH TAI	930	6	1	550	80 Asset and Commercial	Rotational	5 Yearly	February 2022	Secondary Collector
71_1900_811	8 THREE MILE HILL RD (TAI)	1900	805	2415 FLAGSTAFF SUBSTATIO TAIERI	THREE MIL	811	6.8	1	4600	80 Asset and Commercial	Core	Annual	February 2022	Arterial
71_1562_94	10 HAGART ALEXANDER DR (MSI)	1562	0	40 GORDON R END OF ISL MOSGIEL	NORTH MC	94	11.9	1	3900	50 Asset and Commercial	Core	Annual	February 2022	Primary Collector
71_3153_103	10 CARNOUSTIE LANE (MSI)	3153	0	182 WINDERMITHORNL P MOSGIEL	NORTH MC	103	7.2	1	100	50 Asset and Commercial	Rotational	5 Yearly	February 2022	Low Volume
71_1368_50	15 BIG STONE RD (SH)	1368	0	100 TAIERI MOI SEAL JOIN SADDLE HIL	BRUCE ROC	50	7	1	150	100 Asset and Commercial	Rotational	5 Yearly	February 2022	Access
71_1374_1700	21 MULFORD ST (GI)	1374	1657	1862 BELL ST (W EMERSON S GREEN ISLA	CONCORD	1700	7.3	1	260	50 Asset and Commercial	Rotational	5 Yearly	February 2022	Secondary Collector
71_806_20	23 BURNS ST (EAST)	806	0	44 SOUTH RD MURRAYFIE EAST	BATHGATE	20	10.5	1	5300	50 Asset and Commercial	Rotational	5 Yearly	February 2022	Primary Collector
71_798_150	26 MELBOURNE ST (EAST)	798	111	223 25 MELBOI FINGALL ST EAST	SOUTH DUI	150	5.5	1	650	50 Asset and Commercial	Rotational	5 Yearly	February 2022	Access
71_878_4126	29 HIGHCLIFF RD (EAST/R+U)	878	3980	5925 CENTRE RD KARETAI RE EAST RURA	HIGHCLIFF	4126	5.5	1	1100	80 Asset and Commercial	Core	Annual	February 2022	Primary Collector
71_898_6046	29 PORTOBELLO RD (EAST-EAST/R)	898	6009	6573 ST RONAN S GLENFALLC EAST RURA	MACANDRI	6046	8.4	1	5400	50 Asset and Commercial	Core	Annual	February 2022	Arterial
71_973_111	29 LUSS RD (EAST/R)	973	25	352 HINKLEY TE RAYNBIRD S EAST RURA	MACANDRI	111	4.5	1	190	50 Asset and Commercial	Rotational	5 Yearly	February 2022	Low Volume
71_1333_200	30 QUEENS DRIVE (STK)	1333	0	323 VICTORIA F MARLOW S ST KILDA	TAHUNA 7	200	11.9	1	4800	50 Asset and Commercial	Rotational	5 Yearly	February 2022	Primary Collector
71_694_10	34 MAILER ST (WEST)	694	0	175 PARKHILL A LAWRENCE WEST	MORNINGT	10	13.5	2	9600	50 Asset and Commercial	Rotational	5 Yearly	February 2022	Arterial
71_497_65	39 CENTENNIAL AVE (CEN)	497	0	663 HELENSBUI TUCKETT S CENTRAL	WAKARI 67	65	8	1	500	50 Asset and Commercial	Rotational	5 Yearly	February 2022	Access
71_446_665	40 DRIVERS RD (NORTH)	446	523	754 TOLCARNE QUEENS DF NORTH	MAORI HIL	665	10.2	1	5400	50 Asset and Commercial	Core	Annual	February 2022	Primary Collector
71_332_935	41 HIGH ST (CEN/WEST)	332	861	982 MAITLAND WILLIAM S CENTRAL	MARKET RE	935	13.3	1	5000	50 Asset and Commercial	Rotational	5 Yearly	February 2022	Primary Collector
71_406_65	44 ST ANDREW ST (CEN)	406	0	120 FILLEUL ST GEORGE ST CENTRAL	CITY RISE 7	65	13.8	2	6100	30 Asset and Commercial	Rotational	5 Yearly	February 2022	Arterial
71_1250_70	53 ADDERLEY TCE (NORTH)	1250	0	313 RAVENSBO TOTARA ST NORTH	RAVENSBO	70	7.1	1	1200	50 Asset and Commercial	Core	Annual	February 2022	Secondary Collector
71_35_882	54 BURKES DRIVE (NORTH)	35	835	1436 FINCH ST HUIA ST NORTH	ST LEONAR	882	5.7	1	400	50 Asset and Commercial	Core	Annual	February 2022	Access
71_2614_318	56 GEORGE ST SH88 (PC)	2614	0	424 WICKLIFFE BEACH ST PORT CHAL	CAREYS BA	318	14	1	4000	50 Asset and Commercial	Core	Annual	February 2022	
71_1514_1015	56 BORLASES RD (PC)	1514	936	1151 BLUESKIN F AJAX RD PORT CHAL	CAREYS BA	1015	7.5	1	1050	50 Asset and Commercial	Rotational	5 Yearly	February 2022	Secondary Collector
71_1488_7500	57 ARAMOANA RD (PC)	1488	7460	8058 LAMP POST LAST HOUS PORT CHAL	ARAMOAN	7500	6.4	1	500	70 Asset and Commercial	Core	Annual	February 2022	Secondary Collector
71_1760_45	58 PURAKAUNUI RD (WC)	1760	0	1583 BLUESKIN F HEYWARD WAIK. COA	PURAKAUN	45	6.4	1	700	80 Asset and Commercial	Rotational	5 Yearly	February 2022	Secondary Collector
71_345_95	41 CARROLL ST (CEN)	345	0	126 PRINCES ST HOPE ST CENTRAL	MARKET RE	95	13.1	1	1000	50 Transportation Planning	Screenline	Annual	March 2022	Secondary Collector
71_360_135	41 STAFFORD ST (CEN)	360	0	246 PRINCES ST HOPE ST CENTRAL	MARKET RE	135	13.3	1	2550	50 Transportation Planning	Screenline	Annual	March 2022	Secondary Collector
71_314_458	42 CRAWFORD ST SH1 (CEN)	314	335	544 JERVOIS ST POLICE ST CENTRAL	OVAl 51	458	23.5	2	17500	50 Transportation Planning	Screenline	Annual	March 2022	
71_315_645	42 CUMBERLAND ST SH1 (CEN)	315	578	682 POLICE ST JERVOIS ST CENTRAL	OVAl 51	645	18	2	13850	50 Transportation Planning	Screenline	Annual	March 2022	
71_322_800	42 PRINCES ST (CEN/EAST)	322	748	938 CARROLL S MANOR PL CENTRAL	OVAl 51	800	20.2	2	12000	50 Transportation Planning	Screenline	Annual	March 2022	Arterial
71_323_454	42 VOGEL ST (CEN)	323	385	532 POLICE ST JERVOIS ST CENTRAL	OVAl 51	454	12.5	1	900	50 Transportation Planning	Screenline	Annual	March 2022	Secondary Collector
71_4147_496	42 BOND ST - SOUTH (CEN)	4147	391	599 POLICE ST JERVOIS ST CENTRAL	OVAl 51	496	13.4	1	500	50 Transportation Planning	Screenline	Annual	March 2022	Access
71_2576_210	43 CUMBERLAND ST O/B - MAIN SPAN (CEN)	2576	165	215 WEST END EAST END CENTRAL	HARBOUR I	210	8	2	12000	50 Transportation Planning	Screenline	Annual	March 2022	Arterial
71_328_723	44 CARGILL ST (CEN)	328	523	748 HADDON P FILLEUL ST CENTRAL	CITY RISE 7	723	13.5	1	1900	50 Transportation Planning	Screenline	Annual	March 2022	Secondary Collector

71_343_285	44 YORK PLACE (CEN)	343	238	429 SMITH ST	STUART ST CENTRAL	CITY RISE 7	285	13	1	2200	50 Transportation Planning	Screenline	Annual	March	2022	Secondary Collector
71_416_570	44 LONDON ST (CEN)	416	482	665 SCOTLAND	CONSTITUT CENTRAL	CITY RISE 7	570	7.3	1	4100	50 Transportation Planning	Screenline	Annual	March	2022	Primary Collector
71_1205_323	44 STUART ST LEFT (CEN)	1205	237	382 SMITH ST	YORK PLAC CENTRAL	EXCHANGE	323	13.4	2	11500	50 Transportation Planning	Screenline	Annual	March	2022	Arterial
71_332_150	45 HIGH ST (CEN/WEST)	332	127	249 BROADWA	CLARK ST CENTRAL	JUBILEE PA	150	13.3	1	4000	50 Transportation Planning	Screenline	Annual	March	2022	Primary Collector
71_337_327	45 RATTRAY ST (CEN)	337	195	403 ARTHUR ST	BROWN ST CENTRAL	JUBILEE PA	327	13.2	1	6600	50 Transportation Planning	Screenline	Annual	March	2022	Primary Collector
71_378_80	45 MACLAGGAN ST (CEN)	378	0	164 BROADWA	CLARK ST CENTRAL	JUBILEE PA	80	12.9	1	5500	50 Transportation Planning	Screenline	Annual	March	2022	Primary Collector
71_2858_200	45 CANONGATE - LOWER (CEN)	2858	55	235 DUNCAN S	RATTRAY S CENTRAL	JUBILEE PA	200	5	1	150	50 Transportation Planning	Screenline	Annual	March	2022	Low Volume
71_405_515	46 HANOVER ST (NORTH/CEN)	405	486	607 CASTLE ST	LEITH ST NORTH	CITY CENTF	515	13.4	1	4200	50 Transportation Planning	Screenline	Annual	March	2022	Primary Collector
71_2612_179	46 ST ANDREW ST SH88 (NORTH)	2612	122	273 CASTLE ST	ANZAC AVE NORTH	CITY CENTF	179	13.5	1	7500	50 Transportation Planning	Screenline	Annual	March	2022	
71_2662_131	46 ANZAC AVE- SH88 RS0/0.27 - OFF (NORTH)	2662	0	290 ST ANDREV	CASTLE ST - NORTH	CITY CENTF	131	14	1	3800	50 Transportation Planning	Screenline	Annual	March	2022	Primary Collector
71_216_410	47 FREDERICK ST (NORTH)	216	365	486 CASTLE ST	LEITH ST NORTH	UNIVERSIT	410	13.4	1	7500	50 Transportation Planning	Screenline	Annual	March	2022	Arterial
71_240_1164	47 CUMBERLAND ST NORTH SH1 (CEN)	240	1078	1300 UNION ST	ALBANY ST NORTH	UNIVERSIT	1164	13.5	2	12500	50 Transportation Planning	Screenline	Annual	March	2022	
71_242_1000	47 GEORGE ST (NORTH/CEN)	242	919	1141 ALBANY ST	UNION ST \ NORTH	MUSEUM 7	1000	13.1	2	8500	50 Transportation Planning	Screenline	Annual	March	2022	Arterial
71_268_100	47 PITT ST (NORTH)	268	0	171 GEORGE ST	QUEEN ST NORTH	MUSEUM 7	100	13.9	1	5100	50 Transportation Planning	Screenline	Annual	March	2022	Arterial
71_1237_120	47 GREAT KING ST NTH SH1 (NORTH)	1237	0	222 ALBANY ST	UNION ST \ NORTH	MUSEUM 7	120	13.2	2	12500	50 Transportation Planning	Screenline	Annual	March	2022	
71_211_331	47 ALBANY ST (NORTH)	211	241	362 CUMBERLA	ETHEL BEN. NORTH	UNIVERSIT	331	13.2	1	7000	50 Transportation Planning	Screenline	Annual	March	2022	Arterial
71_100_1534	50 NORTH RD (NORTH)	100	1494	1783 ARNOLD ST	MONTAGU NORTH	NORMANB	1534	14.2	1	5200	50 Transportation Planning	Core	Annual	March	2022	Arterial
71_310_1100	26 ANDERSONS BAY RD RIGHT (EAST)	310	1081	1213 OXFORD ST	ANDERSON EAST	SOUTH DUI	1100	10.4	2	8600	50 Asset and Commercial	Core	Annual	March	2022	Arterial
71_1195_1100	26 ANDERSONS BAY RD LEFT (EAST)	1195	1074	1206 TEVIOT ST	ANDERSON EAST	SOUTH DUI	1100	9	2	9000	50 Asset and Commercial	Core	Annual	March	2022	Arterial
71_3138_191	10 AYRSHIRE DR (MSI)	3138	120	276 DUNDEE R	FACTORY R MOSGIEL	NORTH MC	191	7.2	1	250	50 Asset and Commercial	Rotational	5 Yearly	April	2022	Access
71_1494_400	15 JEFFCOATES RD (SH)	1494	0	1296 BRIGHTON	OLD BRIGH SADDLE HIL	OCEAN VIE	400	6.4	1	800	80 Asset and Commercial	Rotational	5 Yearly	April	2022	Secondary Collector
71_1463_4863	18 BLACKHEAD RD (GI/SH)	1463	4506	5030 GREEN ISL	BRIGHTON SADDLE HIL	BLACKHEAI	4863	7	1	1200	80 Asset and Commercial	Rotational	5 Yearly	April	2022	Primary Collector
71_1287_2250	22 MAIN SOUTH RD (GI)	1287	2155	2347 IRMO ST	CARNFORT GREEN ISL	GREEN ISL	2250	13.5	2	10000	50 Asset and Commercial	Rotational	5 Yearly	April	2022	Primary Collector
71_359_1480	23 SOUTH RD (WEST/EAST)	359	1328	1526 EASTBOUR	SURREY ST EAST	BATHGATE	1480	13.5	1	6500	50 Asset and Commercial	Rotational	5 Yearly	April	2022	Primary Collector
71_818_423	23 NEVILLE ST (EAST)	818	354	484 BURNS ST	LAW ST EAST	BATHGATE	423	11	1	375	50 Asset and Commercial	Rotational	5 Yearly	April	2022	Access
71_792_1665	26 BAY VIEW RD (EAST)	792	1522	1817 PRINCE ALF	ESKVALE STEAST	SOUTH DUI	1665	9	1	6000	50 Asset and Commercial	Rotational	5 Yearly	April	2022	Primary Collector
71_942_100	28 EVERY ST (EAST)	942	0	221 SOMERVILL	HEATH ST EAST	WAVERLEY	100	7.8	1	1400	50 Asset and Commercial	Rotational	5 Yearly	April	2022	Secondary Collector
71_998_3275	29 HARINGTON POINT RD (EAST/R)	998	3104	4435 TIDEWATE	LEWIS RD EAST RURA	HIGHCLIFF	3275	9	1	600	70 Asset and Commercial	Core	Annual	April	2022	Primary Collector
71_976_915	29 MARION ST (EAST/R)	976	793	1000 HELLYER ST	PORTOBELI EAST RURA	MACANDRI	915	7.1	1	300	50 Asset and Commercial	Rotational	5 Yearly	April	2022	Access
71_716_390	32 BEDFORD ST (WEST)	716	384	685 NORFOLK S	RAVENSWC WEST	ST CLAIR 3	390	7.7	1	1400	50 Asset and Commercial	Rotational	5 Yearly	April	2022	Secondary Collector
71_696_145	34 MEADOW ST (WEST)	696	0	240 QUEENS DF	PARKHILL A WEST	MORNINGI	145	7.4	1	800	50 Asset and Commercial	Rotational	5 Yearly	April	2022	Access
71_629_950	37 MARYHILL TERRACE (WEST)	629	868	979 ENGLISH A	ELGIN RD WEST	LOOKOUT F	950	9.3	1	750	50 Asset and Commercial	Rotational	5 Yearly	April	2022	Access
71_432_1750	40 QUEENS DRIVE (CEN/NORTH)	432	1505	1840 BRAID RD	L CITY RD CENTRAL	ROSLYN 57	1750	5	1	225	50 Asset and Commercial	Rotational	5 Yearly	April	2022	Access
71_289_70	43 BOMBAY ST (CEN)	289	0	191 THOMAS B	TEWSLEY S CENTRAL	HARBOUR I	70	13.5	1	440	50 Asset and Commercial	Rotational	5 Yearly	April	2022	Secondary Collector
71_2964_142	43 WARD ST O/B - EAST RAMPS (CEN)	2964	112	230 OVERBRID	CK WICKLIFFE CENTRAL	WATERFRC	142	9	1	950	50 Asset and Commercial	Rotational	5 Yearly	April	2022	Secondary Collector
71_335_462	44 MORAY PLACE (CEN)	335	420	536 FILLEUL ST	GEORGE ST CENTRAL	EXCHANGE	462	12.5	1	4500	50 Asset and Commercial	Rotational	5 Yearly	April	2022	Arterial
71_226_50	47 ST DAVID ST - WEST (NORTH)	226	0	123 GEORGE ST	GREAT KIN NORTH	MUSEUM 7	50	14	1	1400	50 Asset and Commercial	Rotational	5 Yearly	April	2022	Secondary Collector
71_62_150	48 EVANS ST (NORTH)	62	116	290 WINDSOR S	ROXBURGH NORTH	OPOHO 82	150	7.9	1	550	50 Asset and Commercial	Core	Annual	April	2022	Access
71_163_65	51 MALVERN ST (NORTH)	163	0	184 TRACK LHS	WOODHAU NORTH	LEITH VALL	65	14.4	1	2950	50 Asset and Commercial	Core	Annual	April	2022	Secondary Collector
71_166_400	51 ROCKSIDE RD (NORTH)	166	378	1012 TANNER R	TANNER R NORTH	LEITH VALL	400	5.5	1	300	50 Asset and Commercial	Rotational	5 Yearly	April	2022	Access
71_100_388	50 NORTH RD (NORTH)	100	371	572 GLENDININ	CRAIGLEITH NORTH	DALMORE I	388	13.7	2	11500	50 Asset and Commercial	Core	Annual	April	2022	Arterial
71_1578_50	10 WICKLIFFE ST (MSI)	1578	0	121 GORDON R	CHURCH ST MOSGIEL	NORTH MC	50	9.1	1	1600	50 Asset and Commercial	Rotational	5 Yearly	May	2022	Secondary Collector
71_1610_131	12 BUSH RD (MSI/TAI)	1610	0	202 GORDON R	FORFAR ST MOSGIEL	SOUTH MC	131	11.3	1	4700	50 Asset and Commercial	Core	Annual	May	2022	Primary Collector
71_1591_26	13 WALTON PARK AVE (SH)	1591	0	138 OLD BRIGH	EDITH ST SADDLE HIL	KAIKORAI L	26	9.8	1	1650	50 Asset and Commercial	Core	Annual	May	2022	Secondary Collector
71_1603_1250	14 MARTIN RD (SH)	1603	1223	1300 CENTENN	I MAIN SOU SADDLE HIL	FAIRFIELD S	1250	8.1	1	400	50 Asset and Commercial	Rotational	5 Yearly	May	2022	Access
71_1626_9263	15 BRIGHTON RD (SH)	1626	9222	9344 TAYLOR ST	PEARSE ST SADDLE HIL	BRIGHTON	9263	9.5	1	1300	50 Asset and Commercial	Core	Annual	May	2022	Primary Collector
71_1467_170	19 ABBOTSFORD RD (GI)	1467	100	190 START OF I	WALDRON GREEN ISL	ABBOTSFOL	170	9.3	1	4200	50 Asset and Commercial	Core	Annual	May	2022	Primary Collector
71_1465_250	19 MATTHEW ST (GI)	1465	197	318 PATERSON	JOHN ST GREEN ISL	ABBOTSFOL	250	8.5	1	600	50 Asset and Commercial	Rotational	5 Yearly	May	2022	Access
71_1287_3100	22 MAIN SOUTH RD (GI)	1287	3057	3176 JENKINS ST	HOWDEN S GREEN ISL	GREEN ISL	3100	14.2	1	7200	50 Asset and Commercial	Core	Annual	May	2022	Arterial
71_792_1169	23 BAY VIEW RD (EAST)	792	1040	1230 DALGETY S	CHURCHILL EAST	TONGA PAI	1169	7.5	1	5500	50 Asset and Commercial	Rotational	5 Yearly	May	2022	Primary Collector
71_1208_700	25 PORTSMOUTH DRIVE LEFT (EAST)	1208	600	852 MIDLAND S	TEVIOT ST EAST	ANDERSON	700	8.4	2	10000	60 Asset and Commercial	Core	Annual	May	2022	Arterial
71_272_456	25 MIDLAND ST (EAST)	272	371	611 OTAKI ST	PORTSMOL EAST	ANDERSON	456	17.7	1	6600	50 Asset and Commercial	Rotational	5 Yearly	May	2022	Arterial
71_885_1435	28 SOMERVILLE ST (EAST)	885	1232	1510 AYTOUN ST	PORTLAND EAST	WAVERLEY	1435	10.3	1	900	50 Asset and Commercial	Rotational	5 Yearly	May	2022	Access
71_982_45	29 RAYNBIRD ST (EAST/R)	982	0	240 PORTOBELI	BRETON ST EAST RURA	MACANDRI	45	5.3	1	100	50 Asset and Commercial	Rotational	5 Yearly	May	2022	Low Volume
71_1254_500	30 PRINCE ALBERT RD (STK)	1254	477	557 COUNCIL S	DOUGLAS S ST KILDA	KETTLE PAI	500	12.2	1	4200	50 Asset and Commercial	Core	Annual	May	2022	Primary Collector
71_1273_163	30 PLUNKET ST (STK)	1273	0	367 VICTORIA F	RICHARDSC ST KILDA	FORBURY F	163	13.4	1	280	50 Asset and Commercial	Rotational	5 Yearly	May	2022	Access
71_706_300	32 HILLHEAD RD (WEST)	706	228	456 GILMERTO	I ISADORE RI WEST	ST CLAIR 3	300	7.8	1	300	50 Asset and Commercial	Rotational	5 Yearly	May	2022	Access
71_588_600	33 ROSS ST (WEST/CEN)	588	568	694 MICHIE ST	HIGHGATE WEST	ROSS ST AR	600	13.4	1	1450	50 Asset and Commercial	Rotational	5 Yearly	May	2022	Secondary Collector
71_541_2250	35 KAIKORAI VALLEY RD RIGHT (WEST)	541	2220	2681 SALISBURY	BRYANT ST WEST	KAIKORAI V	2250	8	1	5000	50 Asset and Commercial	Core	Annual	May	2022	Arterial
71_1201_2300	35 KAIKORAI VALLEY RD LEFT (CEN/WEST/G	1201	2220	2681 SALISBURY	BRYANT ST WEST	KAIKORAI V	2300	8	1	4500	50 Asset and Commercial	Core	Annual	May	2022	Arterial
71_538_122	35 GLENELG ST (WEST)	538	0	375 KAIKORAI	V HECTOR ST WEST	KAIKORAI V	122	8	1	620	50 Asset and Commercial	Rotational	5 Yearly	May	2022	Access
71_681_260	36 WALTER ST (WEST)	681	0	499 EGLINTON	HAYWOOD WEST	THE GLEN 4	260	8.6	1	210	50 Asset and Commercial	Rotational	5 Yearly	May	2022	Access
71_562_200	38 GRIGOR ST (CEN)	562	0	278 SAUNDERS	DALZIEL RD CENTRAL	BROCKVILL	200	8	1	100	50 Asset and Commercial	Rotational	5 Yearly	May	2022	Low Volume
71_476_301	39 TAIERI RD (CEN)	476	172	367 NAIRN ST	WAIROA ST CENTRAL	KAIKORAI E	301	14.9	2	10000	50 Asset and Commercial	Core	Annual	May	2022	Arterial
71_474_125	39 MELLOR ST (CEN)	474	99	149 COUNTY R	TAIERI RD CENTRAL	KAIKORAI E	125	14.7	1	5400	50 Asset and Commercial	Rotational	5 Yearly	May	2022	Primary Collector
71_516_59	39 ASHMORE ST (CEN)	516	0	129 TAIERI RD	TILBURN ST CENTRAL	HALFWAY I	59	10.9	1	2000	50 Asset and Commercial	Rotational	5 Yearly	May	2022	Secondary Collector
71_424_1813	40 HIGHGATE (WEST/CEN/NORTH)	424	1768	1858 DUNBLANE	FAIRFAX ST NORTH	MAORI HIL	1813	11.2	1	8600	50 Asset and Commercial	Core	Annual	May	2022	Arterial
71_434_53	40 WALES ST (NORTH)	434	0	71 LYNN ST	MCMILLAN NORTH	MAORI HIL	53	6.7	1	170	50 Asset and Commercial	Rotational	5 Yearly	May	2022	Low Volume
71_607_177	40 LITTLEBOURNE RD (CEN)	607	0	301 SELKIRK ST	STUART ST CENTRAL	LITTLEBOU	177	7	1	350	50 Asset and Commercial	Rotational	5 Yearly	May	2022	Access
71_293_58	43 FISH ST (CEN)	293	0	95 WILLIS ST	FRYATT ST CENTRAL	HARBOUR I	58	13.6	1	300	50 Asset and Commercial	Rotational	5 Yearly	May	2022	Secondary Collector
71_302_200	43 WARD ST O/B - WEST RAMPS (CEN)	302	140	268 OVERBRID	K HANOVER S CENTRAL	WATERFRC	200	9	1	2300	50 Asset and Commercial	Rotational	5 Yearly	May	2022	Primary Collector

71_343_160	44 YORK PLACE (CEN)	343	125	238 HADDON P SMITH ST CENTRAL	CITY RISE 7	160	13	1	6600	50 Asset and Commercial	Rotational	5 Yearly	May	2022	Primary Collector
71_2880_60	44 HADDON PLACE - UPPER (CEN)	2880	0	124 CARGILL ST LONDON S' CENTRAL	CITY RISE 7	60	11.5	1	500	50 Asset and Commercial	Rotational	5 Yearly	May	2022	Access
71_222_320	46 LEITH ST (NORTH)	222	224	450 HANOVER ' FREDERICK NORTH	CITY CENTR	320	14.2	1	1200	50 Asset and Commercial	Core	Annual	May	2022	Secondary Collector
71_403_90	46 BOW LANE (NORTH)	403	0	127 CASTLE ST ANZAC AVE NORTH	CITY CENTR	90	6	1	475	50 Asset and Commercial	Rotational	5 Yearly	May	2022	Access
71_270_50	47 WALSH ST (NORTH)	270	0	81 MALCOLM ALBANY ST NORTH	MUSEUM 7	50	7.9	1	1600	50 Asset and Commercial	Rotational	5 Yearly	May	2022	Secondary Collector
71_125_135	48 GRANDVIEW CRESCENT (NORTH)	125	0	403 SIGNAL HIL SIGNAL HIL NORTH	SIGNAL HIL	135	6.6	1	100	50 Asset and Commercial	Rotational	5 Yearly	May	2022	Low Volume
71_100_987	50 NORTH RD (NORTH)	100	829	1050 BLACKS RD JAMES ST NORTH	NORMANB	987	14.2	1	7500	50 Asset and Commercial	Rotational	5 Yearly	May	2022	Arterial
71_166_100	51 ROCKSIDE RD (NORTH)	166	0	173 MALVERN ' MCGLASHA' NORTH	LEITH VALL	100	8.6	1	860	50 Asset and Commercial	Rotational	5 Yearly	May	2022	Access
71_1250_530	53 ADDERLEY TCE (NORTH)	1250	313	579 TOTARA ST JUNCTION I NORTH	RAVENSBO	530	5.9	1	700	50 Asset and Commercial	Rotational	5 Yearly	May	2022	Access
71_898_130	25 PORTOBELLO RD (EAST-EAST/R)	898	0	371 SHORE STR MARNE ST EAST	ANDERSON	130	7.5	2	6800	50 Asset and Commercial	Core	5 Yearly	May	2022	Arterial
71_1589_500	10 CHURCH ST (MSI)	1589	380	727 GREEN ST WICKLIFFE MOSGIEL	NORTH MC	500	13.2	1	2000	50 Asset and Commercial	Rotational	5 Yearly	June	2022	Secondary Collector
71_1527_114	11 KINMONT CRES (MSI)	1527	0	152 CLYDE ST GEBBIE ST MOSGIEL	EAST MOSC	114	9.3	1	700	50 Asset and Commercial	Core	Annual	June	2022	Access
71_1683_150	12 EDEN ST (MSI)	1683	101	201 FORTH ST FORFAR ST MOSGIEL	SOUTH MC	150	11.5	1	400	50 Asset and Commercial	Rotational	5 Yearly	June	2022	Access
71_1626_1645	17 BRIGHTON RD (SH)	1626	1342	1730 BLACKHEAI FRIENDSHII SADDLE HIL WALDRON'		1645	7.3	1	5700	60 Asset and Commercial	Rotational	5 Yearly	June	2022	Arterial
71_1287_1617	22 MAIN SOUTH RD (GI)	1287	1287	1645 WINIFRED ' KOREMATA' GREEN ISLA' GREEN ISLA'		1617	5.5	1	5200	50 Asset and Commercial	Rotational	5 Yearly	June	2022	Primary Collector
71_4176_33	22 MAIN SOUTH RD (WESTLAND TO ABBOTSFORD) [GI]	4176	0	92 WESTLAND MAIN SOU' GREEN ISLA' GREEN ISLA'		33	10	1	4000	50 Asset and Commercial	Rotational	5 Yearly	June	2022	Arterial
71_799_600	23 OXFORD ST (EAST)	799	469	733 KING EDW' ATKINSON ' EAST	TONGA PAI	600	5.5	1	500	50 Asset and Commercial	Rotational	5 Yearly	June	2022	Access
71_819_50	23 NICHOLSON ST (EAST)	819	0	77 LOYALTY ST NELSON ST EAST	BATHGATE	50	7.6	1	120	50 Asset and Commercial	Rotational	5 Yearly	June	2022	Low Volume
71_359_1700	24 SOUTH RD (WEST/EAST)	359	1667	1775 DAVID ST PLAYFAIR S EAST	CAVERSHA	1700	13.5	2	11000	50 Asset and Commercial	Core	Annual	June	2022	Arterial
71_1070_166	24 BARNES DR (EAST)	1070	76	194 CAVERSHA' SYDNEY ST EAST	CAVERSHA	166	8.5	1	800	49 Asset and Commercial	Rotational	5 Yearly	June	2022	Access
71_275_700	25 PORTSMOUTH DRIVE RIGHT (EAST)	275	600	862 MIDLAND S' TEVIOT ST EAST	ANDERSON	700	7.5	2	9500	60 Asset and Commercial	Core	Annual	June	2022	Arterial
71_897_168	25 MOANA CRESCENT (EAST)	897	118	601 RAWHITI S' REWA ST EAST	ANDERSON	168	7.3	1	600	50 Asset and Commercial	Rotational	5 Yearly	June	2022	Access
71_1195_550	26 ANDERSONS BAY RD LEFT (EAST)	1195	382	623 ORARI ST MCBRIDE S EAST	SOUTH DUI	550	10.5	2	10000	50 Asset and Commercial	Core	Annual	June	2022	Arterial
71_843_80	26 CASHEL ST (EAST)	843	0	135 OXFORD ST BAY VIEW F EAST	SOUTH DUI	80	6.7	1	150	50 Asset and Commercial	Rotational	5 Yearly	June	2022	Low Volume
71_874_50	27 DUCKWORTH ST (EAST)	874	0	131 PUKETAI ST HUNT ST EAST	TOMAHAW	50	7.7	1	700	50 Asset and Commercial	Rotational	5 Yearly	June	2022	Access
71_896_169	28 MARNE ST (EAST)	896	0	349 PORTOBELI LARNACH F EAST	WAVERLEY	169	7.9	2	7400	50 Asset and Commercial	Core	Annual	June	2022	Primary Collector
71_916_224	28 DOON ST (EAST)	916	0	258 PORTOBELI GLENGYLE ' EAST	WAVERLEY	224	7.5	1	1000	50 Asset and Commercial	Rotational	5 Yearly	June	2022	Secondary Collector
71_984_113	29 WHARFDALE ST (EAST/R)	984	0	172 GREENACR MARETT ST EAST RURA MACANDRI		113	8.6	1	220	50 Asset and Commercial	Rotational	5 Yearly	June	2022	Access
71_1321_200	30 SCOTT ST (STK)	1321	150	252 AJAX ST PRINCE ALE ST KILDA	KETTLE PA	200	11.5	1	165	50 Asset and Commercial	Rotational	5 Yearly	June	2022	Low Volume
71_720_253	32 FORBURY RD (WEST)	720	85	396 SUSSEX ST MACANDRI WEST	KEW 34	253	13.6	2	9500	50 Asset and Commercial	Core	Annual	June	2022	Arterial
71_708_260	32 LOCK ST (WEST)	708	0	351 EARLS RD ISADORE RI WEST	ST CLAIR 32	260	7.9	1	206	50 Asset and Commercial	Rotational	5 Yearly	June	2022	Access
71_688_295	34 GALLOWAY ST (WEST)	688	179	434 ELGIN RD WHITBY ST WEST	MORNINGT	295	6.3	1	206	50 Asset and Commercial	Rotational	5 Yearly	June	2022	Access
71_298_200	43 STURDEE ST (CEN)	298	144	289 DEVON ST BAUCHOP ' CENTRAL	WATERFR	200	13.4	1	400	50 Asset and Commercial	Core	Annual	June	2022	Secondary Collector
71_285_500	43 WHARF ST- RIGHT (CEN)	285	461	578 ROBERTS S' START O'BF CENTRAL	HARBOUR I	500	7.2	2	6000	60 Asset and Commercial	Rotational	5 Yearly	June	2022	Arterial
71_418_60	44 SCOTLAND ST (CEN)	418	0	125 CARGILL ST LONDON S' CENTRAL	CITY RISE 7	60	14.4	1	1700	50 Asset and Commercial	Rotational	5 Yearly	June	2022	Secondary Collector
71_369_158	45 BRAID RD (CEN)	369	120	218 YORK PLAC QUEENS DF CENTRAL	JUBILEE PA	158	8.1	1	460	50 Asset and Commercial	Rotational	5 Yearly	June	2022	Access
71_416_700	47 LONDON ST (CEN)	416	665	834 CONSTITUT PITT ST NORTH	MUSEUM 7	700	13.7	1	7000	50 Asset and Commercial	Rotational	5 Yearly	June	2022	Arterial
71_250_500	49 QUEEN ST (NORTH)	250	421	678 PARK ST REGENT RD NORTH	NORTH DU	500	9.4	1	350	50 Asset and Commercial	Rotational	5 Yearly	June	2022	Access
71_168_2615	51 WAKARI RD (CEN/NORTH)	168	2250	2650 BURMA RD TANNER RE NORTH	LEITH VALL	2615	5	1	550	50 Asset and Commercial	Rotational	5 Yearly	June	2022	Access
71_1606_180	14 FLOWER ST (SH)	1606	103	381 KENNEDY F MARTIN RE SADDLE HIL FAIRFIELD :		180	11.8	1	450	50 Asset and Commercial	Rotational	5 Yearly	July	2022	Access
71_1479_80	22 KOREMATA ST (GI)	1479	0	719 MAIN SOU' END GREEN ISLA' GREEN ISLA'		80	8.7	1	615	50 Asset and Commercial	Rotational	5 Yearly	July	2022	Access
71_881_217	27 MINTO ST (EAST)	881	0	319 TOMAHAW TOMAHAW EAST	TOMAHAW	217	8.1	1	420	50 Asset and Commercial	Rotational	5 Yearly	July	2022	Access
71_998_7531	29 HARRINGTON POINT RD (EAST/R)	998	7410	7749 # 738 TAMATEA F EAST RURA HIGHCLIFF		7531	9.3	1	600	50 Asset and Commercial	Rotational	5 Yearly	July	2022	Primary Collector
71_1271_50	30 MOREAU ST (STK)	1271	0	78 BAY VIEW F YOUNG ST ST KILDA	KETTLE PA	50	12.3	1	1350	50 Asset and Commercial	Rotational	5 Yearly	July	2022	Secondary Collector
71_711_150	32 SUTCLIFFE ST (WEST)	711	0	360 ABERDEEN CLAYTON S WEST	ST CLAIR 32	150	8.5	1	300	50 Asset and Commercial	Rotational	5 Yearly	July	2022	Access
71_2657_45	32 HIGHGROVE (WEST)	2657	0	330 CLAYTON S ISLAND WEST	ST CLAIR 32	45	11	1	320	50 Asset and Commercial	Rotational	5 Yearly	July	2022	Access
71_620_40	37 BENHAR ST (WEST)	620	0	89 ELGIN RD SCOULAR S WEST	LOOKOUT F	40	7	1	480	50 Asset and Commercial	Rotational	5 Yearly	July	2022	Access
71_168_173	39 WAKARI RD (CEN/NORTH)	168	0	259 TAIERI RD GILKISON S CENTRAL	HALFWAY F	173	11	1	2000	50 Asset and Commercial	Rotational	5 Yearly	July	2022	Secondary Collector
71_498_520	39 CHAPMAN ST (CEN)	498	459	559 LYNN ST COHEN PLA CENTRAL	WAKARI 67	520	8	1	1050	50 Asset and Commercial	Rotational	5 Yearly	July	2022	Secondary Collector
71_432_3240	40 QUEENS DRIVE (CEN/NORTH)	432	3070	3397 COBDEN ST CORRIE ST CENTRAL	LITTLEBOU	3240	8.6	1	800	50 Asset and Commercial	Rotational	5 Yearly	July	2022	Secondary Collector
71_287_56	43 AKAROA ST (CEN)	287	0	112 JUTLAND S' FRYATT ST CENTRAL	WATERFR	56	8.5	1	80	50 Asset and Commercial	Rotational	5 Yearly	July	2022	Secondary Collector
71_330_336	44 DOWLING ST (CEN)	330	228	404 PRINCES ST HIGH ST CENTRAL	EXCHANGE	336	13	1	2200	50 Asset and Commercial	Rotational	5 Yearly	July	2022	Secondary Collector
71_1204_156	44 STUART ST LOWER (CEN)	1204	116	196 MORAY PL CUMBERLA CENTRAL	EXCHANGE	156	14	1	5600	50 Asset and Commercial	Rotational	5 Yearly	July	2022	Arterial
71_218_330	46 GRANGE ST (NORTH)	218	223	446 FREDERICK HANOVER ' NORTH	CITY CENTR	330	5.9	1	250	50 Asset and Commercial	Rotational	5 Yearly	July	2022	Access
71_224_42	47 LOGAN PARK DRIVE (NORTH)	224	0	435 UNION ST F END OF KEI NORTH	UNIVERSIT	42	8.2	1	800	50 Asset and Commercial	Rotational	5 Yearly	July	2022	Access
71_108_40	50 SELWYN ST (NORTH)	108	0	86 NORTH RD JURA ST NORTH	NORMANB	40	7.8	1	550	50 Asset and Commercial	Rotational	5 Yearly	July	2022	Access
71_178_60	50 FEA ST (NORTH)	178	0	289 ORBELL ST PINE HILL R NORTH	DALMORE :	60	9.5	1	2600	50 Asset and Commercial	Rotational	5 Yearly	July	2022	Secondary Collector
71_1934_280	4 GLADSTONE RD NORTH (TAI)	1934	0	560 PUDDLE AL MAGAZINE TAIERI	WINGATUI	280	7.3	1	670	70 Asset and Commercial	Core	Annual	August	2022	Secondary Collector
71_1939_1880	4 FACTORY RD (TAI)	1939	1794	1973 CALEDONIA' CENTRE ST TAIERI	WINGATUI	1880	13	1	3800	50 Asset and Commercial	Core	Annual	August	2022	Arterial
71_3110_170	4 HEATHFIELD DRIVE (TAI)	3110	0	333 IRWIN LOG ERICA CRES TAIERI	WINGATUI	170	8.4	1	500	50 Asset and Commercial	Rotational	5 Yearly	August	2022	Access
71_2179_1152	6 WOODSIDE RD (TAI)	2179	245	1740 CHURCH R BRIDGE 43 TAIERI	MAUNGAT	1152	6.2	1	160	100 Asset and Commercial	Rotational	5 Yearly	August	2022	Access
71_1968_1657	7 GORDON RD (TAI)	1968	1025	2450 SCHOOL RE DUKES RD TAIERI	NORTH TAI	1657	5.4	1	880	80 Asset and Commercial	Core	Annual	August	2022	Secondary Collector
71_1958_1432	7 GLADFIELD RD SOUTH (TAI)	1958	718	2139 GLADSTON BUSH RD TAIERI	NORTH TAI	1432	6.3	1	300	100 Asset and Commercial	Rotational	5 Yearly	August	2022	Secondary Collector
71_1900_4000	8 THREE MILE HILL RD (TAI)	1900	3048	5530 TAIERI LOO START BRIC TAIERI	THREE MIL	4000	8	1	4500	80 Asset and Commercial	Rotational	5 Yearly	August	2022	Arterial
71_1410_294	19 EXETER ST (GI)	1410	138	435 EXMOUTH TOTNESS S' GREEN ISLA' ABBOTSFORD		294	6	1	120	50 Asset and Commercial	Rotational	5 Yearly	August	2022	Low Volume
71_1348_1187	21 EMERSON ST (GI)	1348	1113	1230 MULFORD ' MAIN SOU' GREEN ISLA' CONCORD :		1187	9	1	2500	50 Asset and Commercial	Core	Annual	August	2022	Secondary Collector
71_897_46	25 MOANA CRESCENT (EAST)	897	0	118 MUSSELBU RAWHITI S' EAST	ANDERSON	46	7.8	1	1100	50 Asset and Commercial	Rotational	5 Yearly	August	2022	Secondary Collector
71_917_351	28 DUNROBIN ST (EAST)	917	312	395 KENILWOR' LARNACH F EAST	WAVERLEY	351	8.5	1	220	50 Asset and Commercial	Rotational	5 Yearly	August	2022	Access
71_998_8800	29 HARRINGTON POINT RD (EAST/R)	998	8464	8935 PIPIKARETL PAKIHAW R EAST RURA HIGHCLIFF		8800	6.5	1	450	50 Asset and Commercial	Rotational	5 Yearly	August	2022	Primary Collector
71_359_2331	31 SOUTH RD (WEST/EAST)	359	2157	2485 COLE ST BURNETT S WEST	CALTON HI	2331	12	1	1100	50 Asset and Commercial	Rotational	5 Yearly	August	2022	Secondary Collector
71_685_75	34 BRUNEL ST (WEST)	685	0	306 MAILER ST MOSGIEL S WEST	MORNINGT	75	5.9	1	225	50 Asset and Commercial	Rotational	5 Yearly	August	2022	Access

71_2194_400	38 ABBOTTS HILL RD (GI/SH)	2194	246	635 MCMEAKIN END OF SE/ SADDLE HILL KAIKORAI F	400	5.6	1	100	50 Asset and Commercial	Rotational	5 Yearly	August	2022	Access
71_246_200	40 LACHLAN AVE (NORTH)	246	193	377 QUEENS DRIVE STONELAW NORTH MAORI HILL	200	10.8	1	6000	50 Asset and Commercial	Rotational	5 Yearly	August	2022	Primary Collector
71_607_581	40 LITTLEBOURNE RD (CEN)	607	470	696 AVON STREET QUEENS DRIVE CENTRAL LITTLEBOURNE	581	7.2	1	500	50 Asset and Commercial	Rotational	5 Yearly	August	2022	Access
71_288_139	43 BAUCHOP STREET (CEN)	288	109	219 STURDEE STREET JUTLAND STREET CENTRAL WATERFRONT	139	13.5	1	400	50 Asset and Commercial	Rotational	5 Yearly	August	2022	Secondary Collector
71_1206_500	43 WHARF STREET- LEFT (CEN)	1206	461	578 ROBERTS STREET START OF BAY CENTRAL HARBOUR	500	9	2	8000	60 Asset and Commercial	Rotational	5 Yearly	August	2022	Arterial
71_405_300	44 HANOVER STREET (NORTH/CEN)	405	240	363 GREAT KINIKUMBERLAND CENTRAL CITY RISE 7	300	13.4	1	7000	30 Asset and Commercial	Rotational	5 Yearly	August	2022	Arterial
71_220_264	46 HARROW STREET (NORTH)	220	182	390 HANOVER STREET CORNER NORTH CITY CENTRAL	264	14	1	2000	50 Asset and Commercial	Rotational	5 Yearly	August	2022	Secondary Collector
71_75_150	48 OPOHO ROAD - LOWER (NORTH)	75	0	170 NORTH ROAD KNOX STREET NORTH OPOHO 82	150	14	1	3700	50 Asset and Commercial	Rotational	5 Yearly	August	2022	Primary Collector
71_163_2450	51 MALVERN STREET (NORTH)	163	2347	2801 FULTON ROAD ISLAY STREET NORTH LEITH VALL	2450	5.6	1	250	50 Asset and Commercial	Rotational	5 Yearly	August	2022	Secondary Collector
71_210_100	52 WILKINSON STREET (NORTH)	210	0	147 PINE HILL ROAD TRUBY KINIKUMBERLAND	100	7.3	1	360	50 Asset and Commercial	Rotational	5 Yearly	August	2022	Access
71_1436_85	56 MOUNT STREET (PC)	1436	0	170 AJAX ROAD (C) GEORGE STREET PORT CHALCAREYS BAY	85	7.4	1	280	50 Asset and Commercial	Rotational	5 Yearly	August	2022	Access
71_1686_935	58 LEITH VALLEY ROAD (WC)	1686	100	1032 #10 (WARE) SECOND BAY WAIK. COA MOUNT CA	935	6	1	270	100 Asset and Commercial	Rotational	5 Yearly	August	2022	Secondary Collector
71_2807_60	58 DONALD ROAD (WC)	2807	0	405 WAITATI VALLEY START OF S WAIK. COA MOUNT CA	60	5.8	1	110	100 Asset and Commercial	Rotational	5 Yearly	August	2022	Access
71_1690_13680	60 COAST ROAD (WC)	1690	13395	13795 STORNOW, BARRA STREET WAIK. COA KARITANE 4	13680	7	1	800	50 Asset and Commercial	Core	Annual	August	2022	Secondary Collector
71_1858_140	61 BEACH STREET (WC)	1858	0	323 SH.1 COLLINS STREET WAIK. COA WAIKOUAI	140	7.2	1	1000	50 Asset and Commercial	Core	Annual	August	2022	Secondary Collector
71_1837_100	61 MATANAKA DRIVE - WEST (WC)	1837	0	560 BEACH STREET END OF SE/ WAIK. COA WAIKOUAI	100	6.3	1	170	50 Asset and Commercial	Rotational	5 Yearly	August	2022	Secondary Collector
71_1871_200	61 MATANAKA DRIVE - EAST (WC)	1871	0	480 BEACH STREET DOMAIN EAST WAIK. COA WAIKOUAI	200	6	1	350	50 Asset and Commercial	Rotational	5 Yearly	August	2022	Access
71_2236_1094	9 FACTORY ROAD (MSI)	2236	1082	1386 REID AVE GORDON ROAD MOSGIEL AERO 89	1094	13.9	1	6400	50 Asset and Commercial	Core	Annual	September 2022	Arterial	
71_1564_180	10 HIGH STREET (MSI)	1564	0	374 FACTORY ROAD GREEN STREET MOSGIEL NORTH MC	180	13.8	1	2800	50 Asset and Commercial	Core	Annual	September 2022	Secondary Collector	
71_2253_480	10 GREEN STREET (MSI)	2253	446	549 HIGH STREET ARRAN STREET MOSGIEL NORTH MC	480	9.1	1	800	50 Asset and Commercial	Rotational	5 Yearly	September 2022	Access	
71_1559_680	11 BRAESIDE - NORTH (MSI)	1559	656	822 CLYDE STREET SH. 1 MOSGIEL EAST MOSGIEL	680	10.1	1	400	50 Asset and Commercial	Rotational	5 Yearly	September 2022	Access	
71_1610_453	12 BUSH ROAD (MSI/TAI)	1610	404	505 MONTROSE BERWICK STREET MOSGIEL SOUTH MC	453	10.4	1	3300	50 Asset and Commercial	Rotational	5 Yearly	September 2022	Primary Collector	
71_2619_1059	14 MAIN ROAD (SH)	2619	759	1181 HOWORTH COCKBURN SADDLE HILL FAIRFIELD 3	1059	14	1	2700	50 Asset and Commercial	Core	Annual	September 2022	Primary Collector	
71_1364_65	15 CREAMERY ROAD (SH)	1364	0	120 BRIGHTON OTTA SEAL SADDLE HILL OCEAN VIEW	65	6.5	1	230	50 Asset and Commercial	Rotational	5 Yearly	September 2022	Access	
71_1576_1850	16 MORRIS ROAD (SH)	1576	1847	2483 COALSTAGI BRAESIDE SADDLE HILL CHAIN HILL	1850	9	1	1200	80 Asset and Commercial	Core	Annual	September 2022	Primary Collector	
71_1381_191	19 NORTH TAIERI ROAD (GI)	1381	145	755 EXMOUTH ABBOTTS HILL GREEN ISLAND ABBOTTSFORD	191	8.1	1	2250	50 Asset and Commercial	Rotational	5 Yearly	September 2022	Secondary Collector	
71_1201_4581	20 KAIKORAI VALLEY ROAD LEFT (CEN/WEST/G)	1201	4542	4740 SHORT STREET MCLEODS HILL GREEN ISLAND ABBOTTSFORD	4581	13.8	2	11000	50 Asset and Commercial	Core	Annual	September 2022	Arterial	
71_1348_10	21 EMERSON STREET (GI)	1348	0	693 BLACKHEATH KERB & CH. GREEN ISLAND CONCORD 1	10	6.5	1	600	50 Asset and Commercial	Rotational	5 Yearly	September 2022	Secondary Collector	
71_1283_340	22 SHAND STREET- LEFT (GI)	1283	303	397 HOWDEN STREET ROAD NARI GREEN ISLAND GREEN ISLAND	340	9.4	1	500	50 Asset and Commercial	Rotational	5 Yearly	September 2022	Access	
71_792_780	23 BAY VIEW ROAD (EAST)	792	656	937 KINGS AVE MOREAU STREET EAST TONGA PAI	780	11.6	2	5000	50 Asset and Commercial	Core	Annual	September 2022	Primary Collector	
71_811_1438	23 HILLSIDE ROAD (EAST)	811	1396	1541 NELSON STREET SURREY STREET EAST BATHGATE	1438	14.2	2	12100	50 Asset and Commercial	Core	Annual	September 2022	Arterial	
71_798_594	23 MELBOURNE STREET (EAST)	798	429	692 KING EDWARD ATKINSON STREET EAST TONGA PAI	594	8.1	1	900	50 Asset and Commercial	Rotational	5 Yearly	September 2022	Access	
71_834_345	23 REID ROAD (EAST)	834	209	405 JOYCE AVE MACANDRIE EAST HILLSIDE 23	345	5.2	1	620	50 Asset and Commercial	Rotational	5 Yearly	September 2022	Access	
71_774_150	24 RUTHERFORD STREET (EAST)	774	0	227 SOUTH ROAD THORN STREET EAST CAVERSHAM	150	5.5	1	200	50 Asset and Commercial	Rotational	5 Yearly	September 2022	Access	
71_855_311	25 CAVELL STREET (EAST)	855	164	354 CRANLEY STREET RAVELSTON EAST ANDERSON	311	8.3	1	1500	50 Asset and Commercial	Rotational	5 Yearly	September 2022	Secondary Collector	
71_850_150	26 WAVERLEY STREET (EAST)	850	105	233 LORNE STREET MCBRIDE STREET EAST SOUTH DUNEDIN	150	7.2	1	410	50 Asset and Commercial	Rotational	5 Yearly	September 2022	Access	
71_864_1100	27 MUSSELBURGH RISE (EAST)	864	995	1137 SHORE STREET BAYFIELD ROAD EAST TAINUI 11	1100	14.3	2	9300	50 Asset and Commercial	Core	Annual	September 2022	Primary Collector	
71_887_40	27 SPOTTISWOODE STREET (EAST)	887	0	114 NORMAN STREET GRESHAM STREET EAST TOMAHAWK	40	8.2	1	850	50 Asset and Commercial	Rotational	5 Yearly	September 2022	Access	
71_924_152	28 LARNACH ROAD (EAST)	924	0	292 MARNE STREET LARNACH FARM EAST WAVERLEY	152	9	1	4700	50 Asset and Commercial	Rotational	5 Yearly	September 2022	Primary Collector	
71_998_9000	29 HARRINGTON POINT ROAD (EAST/R)	998	8935	10211 PAKIHIAU ROAD GATE TO THE EAST RURA HIGHCLIFF	9000	6	1	700	50 Asset and Commercial	Rotational	5 Yearly	September 2022	Primary Collector	
71_1190_640	30 VICTORIA ROAD (STK)	1190	385	906 KENNEDY STREET PLUNKET STREET ST KILDA FORBURY PARK	640	10.5	1	4400	50 Asset and Commercial	Core	Annual	September 2022	Primary Collector	
71_1316_142	30 NEW STREET (STK)	1316	108	201 GROVE STREET TEDDER STREET ST KILDA TAHUNA 73	142	6.9	1	1000	50 Asset and Commercial	Rotational	5 Yearly	September 2022	Secondary Collector	
71_736_670	32 MIDDLETON ROAD (WEST)	736	640	941 LOCKERBIE GILMERTON WEST KEW 34	670	8.6	1	3600	50 Asset and Commercial	Core	Annual	September 2022	Primary Collector	
71_744_1099	32 EASTHER CRESCENT (WEST)	744	751	1137 SEAVIEW TERRACE MIDDLETON WEST KEW 34	1099	8	1	650	50 Asset and Commercial	Rotational	5 Yearly	September 2022	Access	
71_397_300	33 ROSEBURY STREET (WEST)	397	247	414 ASHLEY STREET KENMURE STREET WEST BELLEKNOWE	300	11.1	1	265	50 Asset and Commercial	Rotational	5 Yearly	September 2022	Access	
71_694_406	34 MAILER STREET (WEST)	694	338	555 JUBILEE STREET KENMURE STREET WEST MORNINGTON	406	11.5	2	9000	50 Asset and Commercial	Core	Annual	September 2022	Arterial	
71_691_24	34 LAURIE STREET (WEST)	691	0	61 GLENPARK BRUNEL STREET WEST MORNINGTON	24	7.8	1	260	50 Asset and Commercial	Rotational	5 Yearly	September 2022	Access	
71_625_875	37 ELGIN ROAD (WEST)	625	829	938 MITCHELL STREET BENHAR STREET WEST LOOKOUT HILL	875	10.6	1	4550	50 Asset and Commercial	Core	Annual	September 2022	Primary Collector	
71_558_1385	38 DALZIEL ROAD [CEN-SH-TAI]	558	1355	2141 BRINDSON AREA BOUT CENTRAL BROCKVILL	1385	7.3	1	1050	50 Asset and Commercial	Rotational	5 Yearly	September 2022	Secondary Collector	
71_469_150	39 FRASERS ROAD (CEN)	469	95	175 ROAD NARI END K & C CENTRAL KAIKORAI 6	150	8.7	1	350	50 Asset and Commercial	Rotational	5 Yearly	September 2022	Access	
71_592_102	40 CITY ROAD (CEN)	592	0	252 QUEENS DRIVE ROSS STREET CENTRAL ROSLYN 57	102	10.5	1	6000	50 Asset and Commercial	Core	Annual	September 2022	Primary Collector	
71_426_78	40 LYNWOOD AVE (CEN)	426	0	201 WALLACE STREET CLAREMONT CENTRAL LITTLEBOURNE	78	7.4	1	600	50 Asset and Commercial	Rotational	5 Yearly	September 2022	Access	
71_355_60	41 MELVILLE STREET (CEN)	355	0	122 HIGH STREET STAFFORD CENTRAL MARKET ROAD	60	10	1	925	50 Asset and Commercial	Rotational	5 Yearly	September 2022	Secondary Collector	
71_322_50	44 PRINCES STREET (CEN/EAST)	322	0	116 OCTAGON MORAY PLACE CENTRAL EXCHANGE	50	13.2	1	9000	30 Asset and Commercial	Rotational	5 Yearly	September 2022	Arterial	
71_264_320	47 HERIOT ROW (NORTH/CEN)	264	249	365 CONSTITUTION # 31 (WIDE NORTH) MUSEUM 7	320	7.5	1	660	50 Asset and Commercial	Rotational	5 Yearly	September 2022	Access	
71_170_160	50 BANK STREET (NORTH)	170	0	178 NORTH ROAD GEORGE STREET NORTH DALMORE 1	160	13.9	1	7100	50 Asset and Commercial	Rotational	5 Yearly	September 2022	Arterial	
71_12_420	53 JUNCTION ROAD (NORTH)	12	371	481 MATAI STREET TAUPU STREET NORTH RAVENSBOURGH	420	7.6	1	220	50 Asset and Commercial	Rotational	5 Yearly	September 2022	Access	
71_2151_75	1 ABERAFON STREET (ST)	2151	0	123 SWANSEA STREET KIRK STREET STRATH TA MIDDLEMARE	75	12.8	1	250	50 Asset and Commercial	Core	Annual	October 2022	Secondary Collector	
71_1944_33000	2 GEORGE KING MEMORIAL DRIVE (ST/TAI)	1944	31010	33375 NICHOLS ROAD SH. 87 STRATH TA DEEP STREET	33000	6.1	1	50	100 Asset and Commercial	Core	Annual	October 2022	Secondary Collector	
71_2050_1100	2 MOONLIGHT ROAD (ST)	2050	905	2215 HARTFIELD ROAD STOKES STRATH TA NGAPUNA	1100	6.2	1	80	100 Asset and Commercial	Rotational	5 Yearly	October 2022	Access	
71_1961_606	4 DUKES ROAD - NORTH EXTN (TAI)	1961			606		1	3100	80 Asset and Commercial	Rotational	5 Yearly	October 2022		
71_1998_205	6 MILLER ROAD (TAI)	1998	0	540 AIRPORT ROAD MCLEOD ROAD TAIERI MOMONA	205	6.2	1	350	100 Asset and Commercial	Rotational	5 Yearly	October 2022	Secondary Collector	
71_1603_530	14 MARTIN ROAD (SH)	1603	304	805 KENNEDY ROAD FAIRPLAY STREET SADDLE HILL FAIRFIELD 3	530	8.5	1	440	50 Asset and Commercial	Rotational	5 Yearly	October 2022	Access	
71_320_294	23 KING EDWARD STREET (EAST)	320	236	392 WAIN STREET HILLSIDE ROAD EAST HILLSIDE 23	294	13.4	2	11700	50 Asset and Commercial	Rotational	5 Yearly	October 2022	Arterial	
71_1070_305	24 BARNES DRIVE (EAST)	1070	194	461 SYDNEY STREET START OF C EAST CAVERSHAM	305	8.4	1	170	50 Asset and Commercial	Rotational	5 Yearly	October 2022	Low Volume	
71_839_82	26 BRAEMAR STREET (EAST)	839	0											

71_432_2000	40 QUEENS DRIVE (CEN/NORTH)	432	1840	2428 CITY RD	STUART ST CENTRAL	ROSLYN 57	2000	5.2	1	130	50 Asset and Commercial	Rotational	5 Yearly	October	2022	Low Volume
71_614_300	40 TYNE ST (CEN)	614	200	379 WRIGHT ST	OBAN ST CENTRAL	LITTLEBOU	300	7.7	1	500	50 Asset and Commercial	Rotational	5 Yearly	October	2022	Access
71_303_230	43 WICKLIFFE ST (CEN)	303	195	311 JUTLAND S	FRYATT ST CENTRAL	WATERFR	230	13.5	1	1100	50 Asset and Commercial	Rotational	5 Yearly	October	2022	Secondary Collector
71_79_50	48 SIGNAL HILL RD (NORTH)	79	0	212 OPOHO RD	WINDSOR S NORTH	OPOHO 82	50	7.4	1	2100	50 Asset and Commercial	Rotational	5 Yearly	October	2022	Secondary Collector
71_114_225	48 BLACKS RD (NORTH)	114	174	286 MARQUIS S	CARNEGIE S NORTH	SIGNAL HIL	225	5.7	1	550	50 Asset and Commercial	Rotational	5 Yearly	October	2022	Access
71_233_200	49 DUNDAS ST (NORTH)	233	123	245 GREAT KIN	CUMBERLA NORTH	NORTH DU	200	13.6	1	5400	50 Asset and Commercial	Core	Annual	October	2022	Primary Collector
71_188_100	52 ALLENBY AVE (NORTH)	188	0	138 PINE HILL R	BLUNDELL S NORTH	PINE HILL 8	100	8	1	400	50 Asset and Commercial	Rotational	5 Yearly	October	2022	Access
71_1611_150	12 CARLYLE RD (MSI)	1611	0	414 BUSH RD	TYNE STREI	MOSGIEL SOUTH MC	150	8.4	1	950	50 Asset and Commercial	Rotational	5 Yearly	November	2022	Access
71_2619_290	14 MAIN ROAD (SH)	2619	0	331 ABBOTS CR	SUNNINGH SADDLE HIL	FAIRFIELD S	290	14	1	3600	70 Asset and Commercial	Rotational	5 Yearly	November	2022	Primary Collector
71_1651_30	15 TAYLOR ST (SH)	1651	0	82 BRIGHTON COLE ST	SADDLE HIL	BRIGHTON	30	10.3	1	70	50 Asset and Commercial	Rotational	5 Yearly	November	2022	Low Volume
71_1566_110	17 VISCOUNT RD (SH)	1566	0	195 VULCAN RE	VALIANT RI	SADDLE HIL WALDRON	110	9.7	1	320	50 Asset and Commercial	Core	Annual	November	2022	Access
71_1463_1371	18 BLACKHEAD RD (GI/SH)	1463	1310	3456 TUNNEL BE	QUARRY E	SADDLE HIL BLACKHEA	1371	6.7	1	1200	80 Asset and Commercial	Core	Annual	November	2022	Primary Collector
71_1295_45	22 EDINBURGH ST (GI)	1295	0	165 MAIN SOU	RENNIE ST GREEN ISLA	GREEN ISLA	45	7.1	1	500	50 Asset and Commercial	Core	Annual	November	2022	Access
71_1285_60	22 MUIR ST (GI)	1285	0	111 CHURCH ST	LOUDON S GREEN ISLA	GREEN ISLA	60	6.4	1	190	50 Asset and Commercial	Rotational	5 Yearly	November	2022	Low Volume
71_801_120	23 WILSON AVE (EAST)	801	0	221 SURREY ST	FORBURY REAST	TONGA PAI	120	6.9	1	300	50 Asset and Commercial	Rotational	5 Yearly	November	2022	Access
71_273_300	25 ORARI ST (EAST)	273	278	510 OTAKI ST	PORTSMOL	EAST ANDERSON	300	18.3	1	5700	50 Asset and Commercial	Rotational	5 Yearly	November	2022	Primary Collector
71_2783_60	26 ANDERSONS BAY RD (EAST)	2783	0	106 PRINCES ST	GORDON S EAST	SOUTH DUI	60	13.2	1	4300	50 Asset and Commercial	Rotational	5 Yearly	November	2022	Primary Collector
71_930_100	28 SCOBIE RD (EAST)	930	49	172 LARNACH F	BELFORD S EAST	WAVERLEY	100	8	1	435	50 Asset and Commercial	Rotational	5 Yearly	November	2022	Access
71_1000_50	29 HERWEKA ST (EAST/R)	1000	0	110 PORTOBELI	SHERWOOD	EAST RURA PORTOBELI	50	7.3	1	250	50 Asset and Commercial	Rotational	5 Yearly	November	2022	Access
71_1271_599	30 MOREAU ST (STK)	1271	560	705 DOUGLAS S	VICTORIA R	ST KILDA KETTLE PA	599	12.3	1	850	50 Asset and Commercial	Rotational	5 Yearly	November	2022	Secondary Collector
71_761_790	31 RISELAW RD (WEST)	761	650	877 PANMURE	PANMURE WEST	CALTON HI	790	10.5	1	2000	50 Asset and Commercial	Core	Annual	November	2022	Secondary Collector
71_359_2850	31 SOUTH RD (WEST/EAST)	359	2485	3130 BURNETT S	# 538 WEST	CALTON HI	2850	10.5	1	600	50 Asset and Commercial	Rotational	5 Yearly	November	2022	Secondary Collector
71_725_164	32 RAVENSWOOD RD (WEST)	725	0	465 SEAVIEW T	EARLS RD WEST	ST CLAIR 3	164	6.9	1	1800	50 Asset and Commercial	Rotational	5 Yearly	November	2022	Secondary Collector
71_575_80	33 BELLEVUE ST (WEST)	575	0	144 HIGHGATE	HART ST WEST	ROSS ST AR	80	16.3	1	220	50 Asset and Commercial	Rotational	5 Yearly	November	2022	Access
71_540_300	35 HOCKEN ST (WEST)	540	0	565 BRYANT ST	END WEST	KAIKORAI V	300	8	1	550	50 Asset and Commercial	Rotational	5 Yearly	November	2022	Access
71_619_780	37 BARR ST (WEST)	619	717	889 AGNES ST	ELGIN RD WEST	LOOKOUT F	780	8	1	1800	50 Asset and Commercial	Rotational	5 Yearly	November	2022	Secondary Collector
71_552_35	38 BARTON ST (CEN)	552	0	212 CALDWELL	NUTSFORD CENTRAL	BROCKVILL	35	8	1	250	50 Asset and Commercial	Rotational	5 Yearly	November	2022	Access
71_472_764	39 HELENSBURGH RD (CEN)	472	563	825 BALMACEV	MAYFIELD CENTRAL	WAKARI 67	764	10	1	3700	50 Asset and Commercial	Core	Annual	November	2022	Primary Collector
71_476_2450	39 TAIERI RD (CEN)	476	2112	2502 COLINSAY S	ASHMORE CENTRAL	HALFWAY F	2450	15.8	1	6000	50 Asset and Commercial	Rotational	5 Yearly	November	2022	Arterial
71_514_28	39 TUCKETT ST (CEN)	514	0	85 CENTENNI	WAKARI RE	CENTRAL WAKARI 67	28	8.1	1	140	50 Asset and Commercial	Rotational	5 Yearly	November	2022	Low Volume
71_424_2500	40 HIGHGATE (WEST/CEN/NORTH)	424	2416	2579 ROUNDAB	LOTHIAN S NORTH	MAORI HIL	2500	9	1	5600	50 Asset and Commercial	Rotational	5 Yearly	November	2022	Primary Collector
71_454_437	40 PASSMORE CRES (NORTH)	454	380	490 GRATER ST	PILKINGTON	NORTH MAORI HIL	437	15	1	800	50 Asset and Commercial	Rotational	5 Yearly	November	2022	Access
71_615_225	40 WALTON ST (CEN)	615	115	292 SCHOOL ST	WRIGHT ST CENTRAL	LITTLEBOU	225	6	1	380	50 Asset and Commercial	Rotational	5 Yearly	November	2022	Access
71_319_100	42 JERVOIS ST (CEN)	319	0	150 CUMBERLA	CRAWFOR	CENTRAL OVAL 51	100	16	1	3000	50 Asset and Commercial	Rotational	5 Yearly	November	2022	Primary Collector
71_297_170	43 MASON ST (CEN)	297	128	340 STURDEE S	DEVON ST CENTRAL	HARBOUR I	170	13.5	1	550	50 Asset and Commercial	Rotational	5 Yearly	November	2022	Secondary Collector
71_333_100	44 JETTY ST (CEN)	333	73	126 BOND ST	CRAWFOR	CENTRAL EXCHANGE	100	13.3	1	6550	50 Asset and Commercial	Rotational	5 Yearly	November	2022	Arterial
71_337_740	45 RATTRAY ST (CEN)	337	680	797 DOWLING S	MACLAGG	CENTRAL JUBILEE PA	740	13.2	2	11000	50 Asset and Commercial	Rotational	5 Yearly	November	2022	Primary Collector
71_216_316	47 FREDERICK ST (NORTH)	216	244	365 CUMBERLA	CASTLE ST NORTH	MUSEUM 7	316	13.4	1	7000	50 Asset and Commercial	Rotational	5 Yearly	November	2022	Arterial
71_57_80	48 BALMORAL ST (NORTH)	57	0	127 SIGNAL HIL	HATFIELD S NORTH	OPOHO 82	80	5.2	1	120	50 Asset and Commercial	Rotational	5 Yearly	November	2022	Low Volume
71_235_180	49 HOWE ST (NORTH)	235	122	244 GREAT KIN	CUMBERLA NORTH	NORTH DU	180	13.4	1	1500	50 Asset and Commercial	Rotational	5 Yearly	November	2022	Secondary Collector
71_102_1866	50 NORWOOD ST (NORTH)	102	1303	1913 CLUNY ST	COW SHED	NORTH NORMANB	1866	4.5	1	75	50 Asset and Commercial	Rotational	5 Yearly	November	2022	Low Volume
71_2889_150	51 GLENHOLM ST - UPPER (NORTH)	2889	0	169 GLENMORI	TANNER RE	NORTH LEITH VALL	150	6.7	1	100	50 Asset and Commercial	Rotational	5 Yearly	November	2022	Access
71_1451_185	55 STATION RD (PC)	1451	167	232 FREYBERG	CONSTANT PORT	CHAL SAWYERS E	185	7.5	1	2050	50 Asset and Commercial	Core	Annual	November	2022	Secondary Collector
71_1447_173	56 CONSTITUTION ST (PC)	1447	0	288 GREY ST	KAIO LN	PORT CHAL PORT CHAL	173	5.7	1	100	50 Asset and Commercial	Rotational	5 Yearly	November	2022	Low Volume
71_1810_6300	58 MT CARGILL RD (WC)	1810	3848	6388 MT KETTLE	GREEN RD WAIK. COA	MOUNT CA	6300	5.5	1	300	100 Asset and Commercial	Core	Annual	November	2022	Secondary Collector
71_1758_50	58 PURAKAUNUI SCHOOL RD (WC)	1758	0	905 PURAKAUN	OSBORNE F WAIK. COA	PURAKAUN	50	5	1	130	80 Asset and Commercial	Rotational	5 Yearly	November	2022	Access
71_1787_124	58 OROKONUI RD (WC)	1787	0	142 HARVEY ST	VIEW ST WAIK. COA	WAITATI C	124	4.7	1	250	80 Asset and Commercial	Rotational	5 Yearly	November	2022	Secondary Collector
71_1690_15008	60 COAST RD (WC)	1690	14288	15275 DUNNET	ST RAILWAY X WAIK. COA	KARITANE 4	15008	6.2	1	1000	50 Asset and Commercial	Rotational	5 Yearly	November	2022	Secondary Collector
71_1724_446	60 PARK RD (WC)	1724	0	547 COAST RD	BANK RD WAIK. COA	WARRINGT	446	5.1	1	700	70 Asset and Commercial	Rotational	5 Yearly	November	2022	Secondary Collector
71_2963_30	43 WARD ST OVERBRIDGE (CEN)	2963	0	62 WEST END	EAST END CENTRAL	WATERFR	30	13.3	1	4000	50 Asset and Commercial	Core	Annual	November	2022	Arterial
71_2619_1900	14 MAIN ROAD (SH)	2619	1618	2092 OLD BRIGH	MORRIS RE	SADDLE HIL FAIRFIELD S	1900	14	1	3400	50 Asset and Commercial	Rotational	5 Yearly	December	2022	Primary Collector
71_1973_480	19 NEILL ST (GI)	1973	261	553 CHRISTIE S	MATTHEW GREEN ISLA	ABBOTSFO	480	7.5	1	1300	50 Asset and Commercial	Rotational	5 Yearly	December	2022	Secondary Collector
71_1414_190	22 KIRKLAND ST (GI)	1414	98	212 LOUDON S	GEDDES ST GREEN ISLA	GREEN ISLA	190	7.2	1	280	50 Asset and Commercial	Rotational	5 Yearly	December	2022	Access
71_320_550	23 KING EDWARD ST (EAST)	320	499	626 LORNE ST	MCBRIDE S EAST	HILLSIDE 2	550	13.4	2	10000	50 Asset and Commercial	Core	Annual	December	2022	Arterial
71_796_230	23 KIRKCALDY ST (EAST)	796	129	266 MELBOURN	OXFORD ST EAST	TONGA PAI	230	8.6	1	2400	50 Asset and Commercial	Rotational	5 Yearly	December	2022	Secondary Collector
71_817_100	23 NELSON ST (EAST)	817	0	205 HILLSIDE	RI NICHOLSON	EAST BATHGATE	100	6.5	1	320	50 Asset and Commercial	Rotational	5 Yearly	December	2022	Access
71_1208_1066	25 PORTSMOUTH DRIVE LEFT (EAST)	1208	852	1134 TEVIOT ST	PORTOBELI	EAST ANDERSON	1066	8.4	2	9700	59 Asset and Commercial	Rotational	5 Yearly	December	2022	Arterial
71_310_550	26 ANDERSONS BAY RD RIGHT (EAST)	310	381	624 HILLSIDE	RI MCBRIDE S EAST	SOUTH DUI	550	10.4	2	11000	50 Asset and Commercial	Core	Annual	December	2022	Arterial
71_878_670	27 HIGHCLIFF RD (EAST/R+U)	878	626	740 PUKETAI	ST EVERY ST EAST	TOMAHAW	670	9.4	1	2500	50 Asset and Commercial	Rotational	5 Yearly	December	2022	Primary Collector
71_995_150	29 GREIG ST (EAST/R)	995	0	310 PORTOBELI	PORTOBELI	EAST RURA PORTOBELI	150	4	1	60	50 Asset and Commercial	Rotational	5 Yearly	December	2022	Low Volume
71_783_310	31 LANCEFIELD ST (WEST)	783	0	387 OAKWOOD	SYDNEY ST WEST	CALTON HI	310	4.5	1	300	50 Asset and Commercial	Rotational	5 Yearly	December	2022	Access
71_424_62	33 HIGHGATE (WEST/CEN/NORTH)	424	0	358 EPSILON	ST ROSS ST WEST	ROSS ST AR	62	7.5	1	4200	50 Asset and Commercial	Core	Annual	December	2022	Primary Collector
71_700_273	34 WHITBY ST (WEST)	700	206	307 GALLOWAY	ARGYLE ST WEST	MORNINGI	273	6.8	1	400	50 Asset and Commercial	Rotational	5 Yearly	December	2022	Access
71_553_1400	38 BROCKVILLE RD (CEN)	553	1313	1515 COCKERELL	WRAY ST CENTRAL	BROCKVILL	1400	10.5	1	4600	Asset and Commercial	Core	Annual	December	2022	Primary Collector
71_436_507	39 BALMACEWEN RD (CEN/NORTH)	436	332	701 PILKINGTO	CHAPMAN CENTRAL	WAKARI 67	507	11.2	1	4000	50 Asset and Commercial	Rotational	5 Yearly	December	2022	Primary Collector
71_431_100	40 PACIFIC ST (CEN)	431	0	484 WALLACE S	HIGHGATE CENTRAL	LITTLEBOU	100	6.4	1	360	50 Asset and Commercial	Rotational	5 Yearly	December	2022	Access
71_242_371	44 GEORGE ST (NORTH/CEN)	242	254	476 ST ANDREV	HANOVER S CENTRAL	CITY RISE 7	371	12.2	2	9800	30 Asset and Commercial	Core	Annual	December	2022	Arterial
71_3052_44	44 THE OCTAGON CENTRAL CARRIAGEWAY (CEN)	3052	0	92 PRINCES ST	GEORGE ST CENTRAL	EXCHANGE	44	10.5	1	7400	30 Asset and Commercial	Rotational	5 Yearly	December	2022	Arterial
71_185_1450	52 PINE HILL RD (NORTH)	185	1334	1547 RALEIGH	ST CAMPBELL	NORTH PINE HILL 8	1450	10.2	1	1350	50 Transportation Planning	Core	Annual	December	2022	Secondary Collector
71_1920_300	3 HOYLAKES ST (TAI)	1920	239	358 LYNAS ST	BEAUMARI	TAIERI OUTRAM 3	300	12.8	1	1000	50 Asset and Commercial	Core	Annual	February	2023	Primary Collector
71_1922_50	3 HUNTLY RD (TAI)	1922	0	304 BELL ST	FORMBY RI	TAIERI OUTRAM 3	50	6	1	500	70 Asset and Commercial	Rotational	5 Yearly	February	2023	Secondary Collector

71_1942_970	4 WINGATUI RD (TAI)	1942	726	1789 FACTORY R SOPER RD TAIERI	WINGATUI	970	6.3	1	1400	50 Asset and Commercial	Core	Annual	February	2023	Secondary Collector
71_1880_200	5 GREY ST (TAI)	1880	71	236 SH. 1 DOUGLAS S TAIERI	ALLANTON	200	6.5	1	450	50 Asset and Commercial	Core	Annual	February	2023	Access
71_1988_172	6 ALLANTON RD (TAI)	1988	0	1804 CENTRE RD NICHOLS RI TAIERI	MOMONA	172	6.3	1	700	100 Asset and Commercial	Core	Annual	February	2023	Primary Collector
71_2224_5051	6 CENTRE RD (TAI)	2224	5005	6356 POPLAR RD MARSHALL TAIERI	MOMONA	5051	6.2	1	550	100 Asset and Commercial	Core	Annual	February	2023	Secondary Collector
71_1960_2168	7 RICCARTON RD - WEST (TAI)	1960	1419	2251 BUSH RD END BRIDG TAIERI	EAST TAIER	2168	6.7	1	1500	80 Asset and Commercial	Core	Annual	February	2023	Primary Collector
71_2911_731	7 DUKES RD - NORTH (TAI)	2911				731		1	1300	80 Asset and Commercial	Rotational	5 Yearly	February	2023	
71_1900_811	8 THREE MILE HILL RD (TAI)	1900	805	2415 FLAGSTAFF SUBSTATIO TAIERI	THREE MIL	811	6.8	1	4600	80 Asset and Commercial	Core	Annual	February	2023	Arterial
71_1562_94	10 HAGART ALEXANDER DR (MSI)	1562	0	40 GORDON R END OF ISL MOSGIEL	NORTH MC	94	11.9	1	3900	50 Asset and Commercial	Core	Annual	February	2023	Primary Collector
71_1630_107	11 GLADSTONE RD SOUTH (MSI)	1630	0	217 QUARRY RI MCGLASHA MOSGIEL	EAST MOSC	107	14.4	1	3800	50 Asset and Commercial	Rotational	5 Yearly	February	2023	Primary Collector
71_1660_2385	15 OLD BRIGHTON RD (SH)	1660	1270	2633 TIP ENTRAI JEFFCOATE SADDLE HIL	OCEAN VIE	2385	6.8	1	800	80 Asset and Commercial	Rotational	5 Yearly	February	2023	Secondary Collector
71_1287_1860	22 MAIN SOUTH RD (GI)	1287	1716	1906 OWEN ST PROSSER S GREEN ISLA	GREEN ISLA	1860	13.5	1	8000	50 Asset and Commercial	Rotational	5 Yearly	February	2023	Primary Collector
71_825_45	23 CAREY AVE (EAST)	825	0	67 KING EDW/ GLASGOW EAST	HILLSIDE 2	45	3.6	1	160	50 Asset and Commercial	Rotational	5 Yearly	February	2023	Low Volume
71_857_80	27 CREST ST (EAST)	857	0	172 CAVELL ST TAHUNA RI EAST	TAINUI 11	80	6.6	1	650	50 Asset and Commercial	Rotational	5 Yearly	February	2023	Access
71_878_4126	29 HIGHCLIFF RD (EAST/R+U)	878	3980	5925 CENTRE RD KARETAI RI EAST RURA	HIGHCLIFF	4126	5.5	1	1100	80 Asset and Commercial	Core	Annual	February	2023	Primary Collector
71_898_6046	29 PORTOBELLO RD (EAST-EAST/R)	898	6009	6573 ST RONANS GLENFALLC EAST RURA	MACANDRI	6046	8.4	1	5400	50 Asset and Commercial	Core	Annual	February	2023	Arterial
71_998_60	29 HARINGTON POINT RD (EAST/R)	998	0	128 HEREWeka ALLANS BE/ EAST RURA	PORTOBEL	60	13.2	1	1500	50 Asset and Commercial	Rotational	5 Yearly	February	2023	Primary Collector
71_1263_252	30 LARKWORTHY ST (STK)	1263	191	293 AJAX ST PRINCE ALE ST KILDA	KETTLE PA	252	7.5	1	180	50 Asset and Commercial	Rotational	5 Yearly	February	2023	Low Volume
71_763_35	31 SIDEY ST (WEST)	763	0	234 SOUTH RD COLE ST WEST	CALTON	35	6.3	1	380	50 Asset and Commercial	Rotational	5 Yearly	February	2023	Access
71_387_60	33 GRANVILLE TERRACE (WEST)	387	0	261 PRESTON C BRIGHT ST WEST	BELLEKN	60	8.1	1	600	50 Asset and Commercial	Rotational	5 Yearly	February	2023	Access
71_672_200	36 GLEN RD (WEST)	672	0	274 SOUTH RD HAYWOOD WEST	THE GLEN	200	8.4	1	4750	50 Asset and Commercial	Rotational	5 Yearly	February	2023	Primary Collector
71_558_2245	39 DALZIEL RD [CEN-SH-TAI]	558	2141	2750 AREA BOUI THREE MILI CENTRAL	HALFWAY	2245	6.3	1	1050	50 Asset and Commercial	Rotational	5 Yearly	February	2023	Secondary Collector
71_446_665	40 DRIVERS RD (NORTH)	446	523	754 TOLCARNE QUEENS DF NORTH	MAORI HIL	665	10.2	1	5400	50 Asset and Commercial	Core	Annual	February	2023	Primary Collector
71_294_1286	43 FRYATT ST (CEN)	294	1245	1421 AKAROA ST WICKLIFFE CENTRAL	WATERFRC	1286	16.4	1	3000	50 Asset and Commercial	Rotational	5 Yearly	February	2023	Primary Collector
71_326_734	44 ARTHUR ST (CEN)	326	617	790 CARGILL ST CORNER CENTRAL	EXCHANGE	734	13.5	1	4050	50 Asset and Commercial	Rotational	5 Yearly	February	2023	Primary Collector
71_1250_70	53 ADDERLEY TCE (NORTH)	1250	0	313 RAVENSBO TOTARA ST NORTH	RAVENSBO	70	7.1	1	1200	50 Asset and Commercial	Core	Annual	February	2023	Secondary Collector
71_35_882	54 BURKES DRIVE (NORTH)	35	835	1436 FINCH ST HUIA ST NORTH	ST LEONAR	882	5.7	1	400	50 Asset and Commercial	Core	Annual	February	2023	Access
71_2614_318	56 GEORGE ST SH88 (PC)	2614	0	424 WICKLIFFE BEACH ST PORT CHAL	CAREYS BA	318	14	1	4000	50 Asset and Commercial	Core	Annual	February	2023	
71_1488_7500	57 ARAMOANA RD (PC)	1488	7460	8058 LAMP POST LAST HOU SPOR CHAL	ARAMOAN	7500	6.4	1	500	70 Asset and Commercial	Core	Annual	February	2023	Secondary Collector
71_1788_150	58 HARVEY ST (WC)	1788	0	227 NORTHERN PITT ST WAIK. COA	WAITATI C	150	6.5	1	1500	50 Asset and Commercial	Rotational	5 Yearly	February	2023	Secondary Collector
71_345_95	41 CARROLL ST (CEN)	345	0	126 PRINCES ST HOPE ST CENTRAL	MARKET R	95	13.1	1	1000	50 Transportation Planning	Screenline	Annual	March	2023	Secondary Collector
71_360_135	41 STAFFORD ST (CEN)	360	0	246 PRINCES ST HOPE ST CENTRAL	MARKET R	135	13.3	1	2550	50 Transportation Planning	Screenline	Annual	March	2023	Secondary Collector
71_314_458	42 CRAWFORD ST SH1 (CEN)	314	335	544 JERVOIS ST POLICE ST CENTRAL	OVAL 51	458	23.5	2	17500	50 Transportation Planning	Screenline	Annual	March	2023	
71_315_645	42 CUMBERLAND ST SH1 (CEN)	315	578	682 POLICE ST JERVOIS ST CENTRAL	OVAL 51	645	18	2	13850	50 Transportation Planning	Screenline	Annual	March	2023	
71_322_800	42 PRINCES ST (CEN/EAST)	322	748	938 CARROLL S MANOR PL CENTRAL	OVAL 51	800	20.2	2	12000	50 Transportation Planning	Screenline	Annual	March	2023	Arterial
71_323_454	42 VOGEL ST (CEN)	323	385	532 POLICE ST JERVOIS ST CENTRAL	OVAL 51	454	12.5	1	900	50 Transportation Planning	Screenline	Annual	March	2023	Secondary Collector
71_4147_496	42 BOND ST - SOUTH (CEN)	4147	391	599 POLICE ST JERVOIS ST CENTRAL	OVAL 51	496	13.4	1	500	50 Transportation Planning	Screenline	Annual	March	2023	Access
71_2576_210	43 CUMBERLAND ST O/B - MAIN SPAN (CEN)	2576	165	215 WEST END EAST END C CENTRAL	HARBOUR	210	8	2	12000	50 Transportation Planning	Screenline	Annual	March	2023	Arterial
71_328_723	44 CARGILL ST (CEN)	328	523	748 HADDON P FILLEUL ST CENTRAL	CITY RISE 7	723	13.5	1	1900	50 Transportation Planning	Screenline	Annual	March	2023	Secondary Collector
71_343_285	44 YORK PLACE (CEN)	343	238	429 SMITH ST STUART ST CENTRAL	CITY RISE 7	285	13	1	2200	50 Transportation Planning	Screenline	Annual	March	2023	Secondary Collector
71_416_570	44 LONDON ST (CEN)	416	482	665 SCOTLAND CONSTITUT CENTRAL	CITY RISE 7	570	7.3	1	4100	50 Transportation Planning	Screenline	Annual	March	2023	Primary Collector
71_1205_323	44 STUART ST LEFT (CEN)	1205	237	382 SMITH ST YORK PLAC CENTRAL	EXCHANGE	323	13.4	2	11500	50 Transportation Planning	Screenline	Annual	March	2023	Arterial
71_332_150	45 HIGH ST (CEN/WEST)	332	127	249 BROADWA CLARK ST CENTRAL	JUBILEE PA	150	13.3	1	4000	50 Transportation Planning	Screenline	Annual	March	2023	Primary Collector
71_337_327	45 RATTRAY ST (CEN)	337	195	403 ARTHUR ST BROWN ST CENTRAL	JUBILEE PA	327	13.2	1	6600	50 Transportation Planning	Screenline	Annual	March	2023	Primary Collector
71_378_80	45 MACLAGGAN ST (CEN)	378	0	164 BROADWA CLARK ST CENTRAL	JUBILEE PA	80	12.9	1	5500	50 Transportation Planning	Screenline	Annual	March	2023	Primary Collector
71_2858_200	45 CANONGATE - LOWER (CEN)	2858	55	235 DUNCAN S RATTRAY S CENTRAL	JUBILEE PA	200	5	1	150	50 Transportation Planning	Screenline	Annual	March	2023	Low Volume
71_405_515	46 HANOVER ST (NORTH/CEN)	405	486	607 CASTLE ST LEITH ST NORTH	CITY CENT	515	13.4	1	4200	50 Transportation Planning	Screenline	Annual	March	2023	Primary Collector
71_2612_179	46 ST ANDREW ST SH88 (NORTH)	2612	122	273 CASTLE ST ANZAC AVE NORTH	CITY CENT	179	13.5	1	7500	50 Transportation Planning	Screenline	Annual	March	2023	
71_2662_131	46 ANZAC AVE- SH88 RSO/0.27 - OFF (NORTH)	2662	0	290 ST ANDREW CASTLE ST - NORTH	CITY CENT	131	14	1	3800	50 Transportation Planning	Screenline	Annual	March	2023	Primary Collector
71_216_410	47 FREDERICK ST (NORTH)	216	365	486 CASTLE ST LEITH ST NORTH	UNIVERSIT	410	13.4	1	7500	50 Transportation Planning	Screenline	Annual	March	2023	Arterial
71_240_1164	47 CUMBERLAND ST NORTH SH1 (CEN)	240	1078	1300 UNION ST \ ALBANY ST NORTH	UNIVERSIT	1164	13.5	2	12500	50 Transportation Planning	Screenline	Annual	March	2023	
71_242_1000	47 GEORGE ST (NORTH/CEN)	242	919	1141 ALBANY ST UNION ST \ NORTH	MUSEUM	1000	13.1	2	8500	50 Transportation Planning	Screenline	Annual	March	2023	Arterial
71_268_100	47 PITT ST (NORTH)	268	0	171 GEORGE ST QUEEN ST NORTH	MUSEUM	100	13.9	1	5100	50 Transportation Planning	Screenline	Annual	March	2023	Arterial
71_1237_120	47 GREAT KING ST NTH SH1 (NORTH)	1237	0	222 ALBANY ST UNION ST \ NORTH	MUSEUM	120	13.2	2	12500	50 Transportation Planning	Screenline	Annual	March	2023	
71_211_331	47 ALBANY ST (NORTH)	211	241	362 CUMBERLA ETHEL BEN. NORTH	UNIVERSIT	331	13.2	1	7000	50 Transportation Planning	Screenline	Annual	March	2023	Arterial
71_100_1534	50 NORTH RD (NORTH)	100	1494	1783 ARNOLD ST MONTAGU NORTH	NORMANB	1534	14.2	1	5200	50 Transportation Planning	Core	Annual	March	2023	Arterial
71_310_1100	26 ANDERSONS BAY RD RIGHT (EAST)	310	1081	1213 OXFORD ST ANDERSON EAST	SOUTH DUI	1100	10.4	2	8600	50 Asset and Commercial	Core	Annual	March	2023	Arterial
71_1195_1100	26 ANDERSONS BAY RD LEFT (EAST)	1195	1074	1206 TEVIOT ST ANDERSON EAST	SOUTH DUI	1100	9	2	9000	50 Asset and Commercial	Core	Annual	March	2023	Arterial
71_2202_150	11 GLADSTONE RD SOUTH (TAI)	2202	0	306 RICCARTON WARD BOL MOSGIEL	EAST MOSC	150	7.1	1	350	100 Asset and Commercial	Rotational	5 Yearly	April	2023	Secondary Collector
71_1626_9900	15 BRIGHTON RD (SH)	1626	9589	9905 TRECAS TEL THRESHOLI SADDLE HIL	BRUCE ROC	9900	6.8	1	1000	80 Asset and Commercial	Rotational	5 Yearly	April	2023	Primary Collector
71_1413_375	19 ALEXANDER ST (GI)	1413	146	552 EXMOUTH END GREEN ISLA ABBOTSFO		375	6.4	1	210	50 Asset and Commercial	Rotational	5 Yearly	April	2023	Access
71_1295_315	22 EDINBURGH ST (GI)	1295	239	364 DERBY ST DISTRICT RI GREEN ISLA	GREEN ISLA	315	8	1	180	50 Asset and Commercial	Rotational	5 Yearly	April	2023	Access
71_359_694	23 SOUTH RD (WEST/EAST)	359	525	878 EGLINTON GLEN RD EAST	HILLSIDE 2	694	12.1	1	6500	50 Asset and Commercial	Rotational	5 Yearly	April	2023	Primary Collector
71_767_59	24 LOMOND ST (EAST)	767	0	120 PLAYFAIR S COLLEGE S EAST	CAVERSHA	59	5.8	1	100	50 Asset and Commercial	Rotational	5 Yearly	April	2023	Low Volume
71_867_654	27 TAHUNA RD (EAST)	867	295	742 CAVELL ST NORMAN S EAST	TAINUI 11	654	8.8	1	3300	50 Asset and Commercial	Rotational	5 Yearly	April	2023	Primary Collector
71_998_3275	29 HARINGTON POINT RD (EAST/R)	998	3104	4435 TIDEWATER LEWIS RD EAST RURA	HIGHCLIFF	3275	9	1	600	70 Asset and Commercial	Core	Annual	April	2023	Primary Collector
71_998_11460	29 HARINGTON POINT RD (EAST/R)	998	10211	11464 GATE TO F CATTLE STC EAST RURA	HIGHCLIFF	11460	6	1	250	50 Asset and Commercial	Rotational	5 Yearly	April	2023	Primary Collector
71_1258_447	30 DALGETY ST (STK)	1258	406	487 RICHARDS C BELLONA ST KILDA	KETTLE PA	447	7.4	1	160	50 Asset and Commercial	Rotational	5 Yearly	April	2023	Low Volume
71_732_938	32 CORSTORPHINE RD (WEST)	732	826	1189 CLERMIST C CLERMISTC WEST	KEW 34	938	8.3	1	2750	50 Asset and Commercial	Rotational	5 Yearly	April	2023	Secondary Collector
71_535_45	35 BRYANT ST (WEST)	535	0	92 KAIKORAI V FELS ST WEST	KAIKORAI	45	8.5	1	690	50 Asset and Commercial	Rotational	5 Yearly	April	2023	Access
71_567_90	38 SAUNDERS ST (CEN)	567	0	114 WRAY ST STATHAM S CENTRAL	BROCKVILL	90	8	1	300	50 Asset and Commercial	Rotational	5 Yearly	April	2023	Access
71_452_50	40 LOTHIAN ST (NORTH)	452	0	99 FALKLAND POLLOCK S NORTH	MAORI HIL	50	6.4	1	200	50 Asset and Commercial	Rotational	5 Yearly	April	2023	Access

71_308_50	43 MINERVA ST (CEN)	308	0	169 ANZAC AVE MIDDLE CR CENTRAL	WATERFR	50	10.5	1	670	50 Asset and Commercial	Rotational	5 Yearly	April	2023	Access
71_335_100	44 MORAY PLACE (CEN)	335	0	133 PRINCES ST VIEW ST CENTRAL	EXCHANGE	100	13.5	1	5600	50 Asset and Commercial	Rotational	5 Yearly	April	2023	Arterial
71_335_618	44 MORAY PLACE (CEN)	335	536	665 GEORGE ST GREAT KIN CENTRAL	EXCHANGE	618	13.5	1	3600	50 Asset and Commercial	Rotational	5 Yearly	April	2023	Arterial
71_62_150	48 EVANS ST (NORTH)	62	116	290 WINDSOR ! ROXBURGH NORTH	OPOHO 82	150	7.9	1	550	50 Asset and Commercial	Core	Annual	April	2023	Access
71_70_942	48 LOVELOCK AVE (NORTH)	70	462	1262 BRACKENS OPOHO RD NORTH	OPOHO 82	942	7	1	1450	50 Asset and Commercial	Rotational	5 Yearly	April	2023	Secondary Collector
71_163_65	51 MALVERN ST (NORTH)	163	0	184 TRACK LHS WOODHAU NORTH	LEITH VALL	65	14.4	1	2950	50 Asset and Commercial	Core	Annual	April	2023	Secondary Collector
71_185_3482	52 PINE HILL RD (NORTH)	185	3418	3881 MAXWELLT COWAN RC NORTH	PINE HILL 8	3482	5.2	1	180	50 Asset and Commercial	Rotational	5 Yearly	April	2023	Access
71_100_388	50 NORTH RD (NORTH)	100	371	572 GLENDININ CRAIGLEITH NORTH	DALMORE !	388	13.7	2	11500	50 Asset and Commercial	Core	Annual	April	2023	Arterial
71_3109_194	10 WINDERMERE DR (MSI)	3109	0	211 ARMADALE THORNL P MOSGIEL	NORTH MC	194	7.2	1	350	50 Asset and Commercial	Rotational	5 Yearly	May	2023	Access
71_1610_131	12 BUSH RD (MSI/TAI)	1610	0	202 GORDON R FORFIAT ST MOSGIEL	SOUTH MC	131	11.3	1	4700	50 Asset and Commercial	Core	Annual	May	2023	Primary Collector
71_1591_26	13 WALTON PARK AVE (SH)	1591	0	138 OLD BRIGH EDITH ST SADDLE HIL	KAIKORAI L	26	9.8	1	1650	50 Asset and Commercial	Core	Annual	May	2023	Secondary Collector
71_1626_9263	15 BRIGHTON RD (SH)	1626	9222	9344 TAYLOR ST PEARSE ST SADDLE HIL	BRIGHTON	9263	9.5	1	1300	50 Asset and Commercial	Core	Annual	May	2023	Primary Collector
71_1626_6702	15 BRIGHTON RD (SH)	1626	6198	6745 WATERCOL CREAMERY SADDLE HIL	OCEAN VIE	6702	6.5	1	3400	50 Asset and Commercial	Rotational	5 Yearly	May	2023	Arterial
71_1467_170	19 ABBOTSFORD RD (GI)	1467	100	190 START OF ! WALDRON GREEN ISLA	ABBOTSFOR	170	9.3	1	4200	50 Asset and Commercial	Core	Annual	May	2023	Primary Collector
71_1287_600	21 MAIN SOUTH RD (GI)	1287	570	683 STEVENSON EMERSON ! GREEN ISLA	CONCORD !	600	12.3	1	5100	50 Asset and Commercial	Rotational	5 Yearly	May	2023	Primary Collector
71_1287_3100	22 MAIN SOUTH RD (GI)	1287	3057	3176 JENKINS ST HOWDEN S GREEN ISLA	GREEN ISLA	3100	14.2	1	7200	50 Asset and Commercial	Core	Annual	May	2023	Arterial
71_800_1100	23 SURREY ST (EAST)	800	960	1209 WYCOLLA / BAY VIEW F EAST	TONGA PAI	1100	7.5	1	1500	50 Asset and Commercial	Rotational	5 Yearly	May	2023	Secondary Collector
71_1208_700	25 PORTSMOUTH DRIVE LEFT (EAST)	1208	600	852 MIDLAND ! TEVIOT ST EAST	ANDERSON	700	8.4	2	10000	60 Asset and Commercial	Core	Annual	May	2023	Arterial
71_275_1066	25 PORTSMOUTH DRIVE RIGHT (EAST)	275	862	1144 TEVIOT ST PORTOBELI EAST	ANDERSON	1066	7.5	2	9500	60 Asset and Commercial	Rotational	5 Yearly	May	2023	Arterial
71_2783_150	26 ANDERSONS BAY RD (EAST)	2783	106	203 GORDON S CRAWFORD EAST	SOUTH DUI	150	4	1	4000	50 Asset and Commercial	Rotational	5 Yearly	May	2023	Primary Collector
71_898_825	28 PORTOBELLO RD (EAST-EAST/R)	898	371	1340 MARNE ST DOON STRI EAST	WAVERLEY	825	7	1	5400	50 Asset and Commercial	Rotational	5 Yearly	May	2023	Arterial
71_998_3030	29 HARINGTON POINT RD (EAST/R)	998	2000	3104 WEIR RD TIDEWATER EAST RURA	HIGHCLIFF	3030	9.3	1	1300	70 Asset and Commercial	Rotational	5 Yearly	May	2023	Primary Collector
71_1254_500	30 PRINCE ALBERT RD (STK)	1254	477	557 COUNCIL S DOUGLAS S ST KILDA	KETTLE PA	500	12.2	1	4200	50 Asset and Commercial	Core	Annual	May	2023	Primary Collector
71_1327_730	30 MARLOW ST (STK)	1327	662	826 RONA ST CULLING ST ST KILDA	TAHUNA 7	730	9.7	1	900	50 Asset and Commercial	Rotational	5 Yearly	May	2023	Access
71_713_160	32 ALBERT ST (WEST)	713	0	206 FORBURY F BEACH ST WEST	ST CLAIR 3	160	7.3	1	330	50 Asset and Commercial	Rotational	5 Yearly	May	2023	Access
71_390_1027	34 KENMURE RD (WEST)	390	1017	1067 HAWTHOR MAILER ST WEST	MORNINGT	1027	11.3	1	8500	50 Asset and Commercial	Rotational	5 Yearly	May	2023	Primary Collector
71_541_2250	35 KAIKORAI VALLEY RD RIGHT (WEST)	541	2220	2681 SALISBURY BRYANT ST WEST	KAIKORAI V	2250	8	1	5000	50 Asset and Commercial	Core	Annual	May	2023	Arterial
71_1201_2300	35 KAIKORAI VALLEY RD LEFT (CEN/WEST/G	1201	2220	2681 SALISBURY BRYANT ST WEST	KAIKORAI V	2300	8	1	4500	50 Asset and Commercial	Core	Annual	May	2023	Arterial
71_651_844	36 FORFAR ST (WEST)	651	605	1200 KIRRIEMUII LECKHAMP WEST	MARYHILL	844	7.3	1	475	50 Asset and Commercial	Rotational	5 Yearly	May	2023	Access
71_390_2220	37 KENMURE RD (WEST)	390	1943	2331 SHIRLEY PL BARR ST WEST	LOOKOUT F	2220	8	1	3200	50 Asset and Commercial	Rotational	5 Yearly	May	2023	Primary Collector
71_572_900	38 WRAY ST (CEN)	572	707	1027 HERRON ST BROCKVILL CENTRAL	BROCKVILL	900	10.5	1	300	50 Asset and Commercial	Rotational	5 Yearly	May	2023	Access
71_476_301	39 TAIERI RD (CEN)	476	172	367 NAIRN ST WAIROA ST CENTRAL	KAIKORAI E	301	14.9	2	10000	50 Asset and Commercial	Core	Annual	May	2023	Arterial
71_478_229	39 BERESFORD ST (CEN)	478	0	293 NAIRN ST FARLEY ST CENTRAL	KAIKORAI E	229	7.7	1	350	50 Asset and Commercial	Rotational	5 Yearly	May	2023	Access
71_526_60	39 MOOLTAN ST (CEN)	526	0	143 ASHMORE ELLERSLEY ! CENTRAL	HALFWAY E	60	8.9	1	305	50 Asset and Commercial	Rotational	5 Yearly	May	2023	Access
71_424_1813	40 HIGHGATE (WEST/CEN/NORTH)	424	1768	1858 DUNBLANE FAIRFAX ST NORTH	MAORI HIL	1813	11.2	1	8600	50 Asset and Commercial	Core	Annual	May	2023	Arterial
71_449_137	40 GRATER ST (NORTH)	449	0	224 BALMADEV PASSMORE NORTH	MAORI HIL	137	7.3	1	750	50 Asset and Commercial	Rotational	5 Yearly	May	2023	Access
71_2812_127	40 FALCON STREET - UPPER (CEN)	2812	45	161 BELGRAVE HIGHGATE CENTRAL	ROSLYN 57	127	5.7	1	360	50 Asset and Commercial	Rotational	5 Yearly	May	2023	Access
71_296_340	43 JUTLAND ST (CEN)	296	328	481 HALSEY ST AKAROA ST CENTRAL	WATERFRFC	340	10.7	1	170	50 Asset and Commercial	Rotational	5 Yearly	May	2023	Secondary Collector
71_242_525	44 GEORGE ST (NORTH/CEN)	242	476	697 HANOVER ! FREDERICK CENTRAL	CITY RISE 7	525	13	2	8500	30 Asset and Commercial	Rotational	5 Yearly	May	2023	Arterial
71_412_150	44 FILLEUL ST (CEN)	412	0	164 MORAY PL YORR PLAC CENTRAL	CITY RISE 7	150	13.5	1	4000	30 Asset and Commercial	Rotational	5 Yearly	May	2023	Arterial
71_332_80	45 HIGH ST (CEN/WEST)	332	0	127 PRINCES ST BROADWA' CENTRAL	JUBILEE PA	80	13.3	1	1500	50 Asset and Commercial	Rotational	5 Yearly	May	2023	Secondary Collector
71_222_320	46 LEITH ST (NORTH)	222	224	450 HANOVER ! FREDERICK NORTH	CITY CENTR	320	14.2	1	1200	50 Asset and Commercial	Core	Annual	May	2023	Secondary Collector
71_215_229	47 FORTH ST (NORTH)	215	130	355 ALBANY ST UNION ST E NORTH	UNIVERSIT	229	13.5	1	3750	50 Asset and Commercial	Rotational	5 Yearly	May	2023	Primary Collector
71_417_450	47 ROYAL TERRACE (CEN/NORTH)	417	376	594 COBDEN ST CORRIE ST NORTH	MUSEUM 7	450	13.2	1	1700	50 Asset and Commercial	Rotational	5 Yearly	May	2023	Secondary Collector
71_233_98	49 DUNDAS ST (NORTH)	233	0	123 GEORGE ST GREAT KIN NORTH	NORTH DU	98	13.6	1	3300	50 Asset and Commercial	Rotational	5 Yearly	May	2023	Primary Collector
71_102_100	50 NORWOOD ST (NORTH)	102	0	140 NORTH RD BONNINGT NORTH	NORMANB	100	7.5	1	1200	50 Asset and Commercial	Rotational	5 Yearly	May	2023	Access
71_898_130	25 PORTOBELLO RD (EAST-EAST/R)	898	0	371 SHORE STR MARNE ST EAST	ANDERSON	130	7.5	2	6800	50 Asset and Commercial	Core	5 Yearly	May	2023	Arterial
71_3137_253	10 BEN LOMOND DR (MSI)	3137	175	358 AYRSHIRE ! WINDERM MOSGIEL	NORTH MC	253	8.2	1	500	50 Asset and Commercial	Rotational	5 Yearly	June	2023	Access
71_1527_114	11 KINMONT CRES (MSI)	1527	0	152 CLYDE ST GEBBIE ST MOSGIEL	EAST MOSC	114	9.3	1	700	50 Asset and Commercial	Core	Annual	June	2023	Access
71_1626_3390	15 BRIGHTON RD (SH)	1626	3225	3921 JEFFCOATE START OF V SADDLE HIL	OCEAN VIE	3390	7.5	1	4500	80 Asset and Commercial	Rotational	5 Yearly	June	2023	Arterial
71_2663_50	17 WAVY KNOWES DRIVE (SH)	2663	0	660 BRIGHTON END SADDLE HIL WALDRON	!	50	8	1	275	50 Asset and Commercial	Rotational	5 Yearly	June	2023	Access
71_1288_50	22 CHURCH HILL RD (GI/SH)	1288	0	500 DISTRICT R ! WARD BOL GREEN ISLA	GREEN ISLA	50	5.5	1	225	50 Asset and Commercial	Rotational	5 Yearly	June	2023	Access
71_363_140	23 WILKIE RD (EAST)	363	0	275 NEVILLE ST KING EDWA' EAST	HILLSIDE 2	140	11	1	2000	50 Asset and Commercial	Rotational	5 Yearly	June	2023	Secondary Collector
71_802_86	23 WYCOLLA AVE (EAST)	802	0	189 FORBURY F SURREY ST EAST	TONGA PAI	86	7.4	1	230	50 Asset and Commercial	Rotational	5 Yearly	June	2023	Access
71_823_330	23 BATHGATE ST (EAST)	823	279	418 CUTTEN ST REID RD EAST	HILLSIDE 2	330	6.1	1	200	50 Asset and Commercial	Rotational	5 Yearly	June	2023	Access
71_359_1700	24 SOUTH RD (WEST/EAST)	359	1667	1775 DAVID ST PLAYFAIR S EAST	CAVERSHA	1700	13.5	2	11000	50 Asset and Commercial	Core	Annual	June	2023	Arterial
71_275_700	25 PORTSMOUTH DRIVE RIGHT (EAST)	275	600	862 MIDLAND ! TEVIOT ST EAST	ANDERSON	700	7.5	2	9500	60 Asset and Commercial	Core	Annual	June	2023	Arterial
71_272_80	25 MIDLAND ST (EAST)	272	0	145 ANDERSON TIMARU ST EAST	ANDERSON	80	13.4	1	6600	50 Asset and Commercial	Rotational	5 Yearly	June	2023	Arterial
71_1208_150	25 PORTSMOUTH DRIVE LEFT (EAST)	1208	0	215 STRATHALL ORARI ST EAST	ANDERSON	150	8.1	2	10400	60 Asset and Commercial	Rotational	5 Yearly	June	2023	Arterial
71_1195_550	26 ANDERSONS BAY RD LEFT (EAST)	1195	382	623 ORARI ST MCBRIDE S EAST	SOUTH DUI	550	10.5	2	10000	50 Asset and Commercial	Core	Annual	June	2023	Arterial
71_1195_853	26 ANDERSONS BAY RD LEFT (EAST)	1195	789	932 MIDLAND ! COLSTON S EAST	SOUTH DUI	853	9.5	2	9000	50 Asset and Commercial	Rotational	5 Yearly	June	2023	Arterial
71_878_150	27 HIGHCLIFF RD (EAST/R+U)	878	0	248 SILVERTON MERCHIST ! EAST	TOMAHAW	150	9.4	1	2600	50 Asset and Commercial	Rotational	5 Yearly	June	2023	Primary Collector
71_896_169	28 MARNE ST (EAST)	896	0	349 PORTOBELI LARNACH F EAST	WAVERLEY	169	7.9	2	7400	50 Asset and Commercial	Core	Annual	June	2023	Primary Collector
71_927_100	28 MCKERROW ST (EAST)	927	0	438 HIGHCLIFF MURANO S EAST	WAVERLEY	100	10.2	1	700	50 Asset and Commercial	Rotational	5 Yearly	June	2023	Access
71_998_1200	29 HARINGTON POINT RD (EAST/R)	998	345	2000 TILY ST WEIR RD EAST RURA	HIGHCLIFF	1200	9.6	1	1350	70 Asset and Commercial	Rotational	5 Yearly	June	2023	Primary Collector
71_1327_1090	30 MARLOW ST (STK)	1327	1050	1147 ASCOT ST QUEENS DF ST KILDA	TAHUNA 7	1090	9.7	1	850	50 Asset and Commercial	Rotational	5 Yearly	June	2023	Secondary Collector
71_720_253	32 FORBURY RD (WEST)	720	85	396 SUSSEX ST MACANDRI WEST	KEW 34	253	13.6	2	9500	50 Asset and Commercial	Core	Annual	June	2023	Arterial
71_717_289	32 CLIFFS RD (WEST)	717	267	859 NORFOLK S BEDFORD S WEST	ST CLAIR 3	289	6.2	1	400	50 Asset and Commercial	Rotational	5 Yearly	June	2023	Access
71_661_100	36 PICARDY ST (WEST)	661	0	172 ENGLISH A ! LESNEY ST WEST	MARYHILL	100	5.3	1	200	50 Asset and Commercial	Rotational	5 Yearly	June	2023	Access
71_298_200	43 STURDEE ST (CEN)	298	144	289 DEVON ST BAUCHOP ! CENTRAL	WATERFRFC	200	13.4	1	400	50 Asset and Commercial	Core	Annual	June	2023	Secondary Collector
71_291_175	43 DEVON ST (CEN)	291	110	217 STURDEE S JUTLAND S CENTRAL	WATERFRFC	175	13.4	1	320	50 Asset and Commercial	Rotational	5 Yearly	June	2023	Access

71_2638_6	44 QUEENS GARDENS LEFT (CEN)	2638	0	116 CUMBERLA CRAWFOR	CENTRAL EXCHANGE	6	6.7	1	2600	50 Asset and Commercial	Rotational	5 Yearly	June	2023	Primary Collector	
71_374_399	45 DUNCAN ST (CEN)	374	218	420 ARTHUR ST BROWN ST	CENTRAL JUBILEE PA	399	13.4	1	350	50 Asset and Commercial	Rotational	5 Yearly	June	2023	Access	
71_3062_800	47 ANZAC AVE NORTH (NORTH)	3062	705	940 BUTTS RD	ROUNDAB(NORTH)	UNIVERSIT	800	11	1	3500	50 Asset and Commercial	Rotational	5 Yearly	June	2023	Primary Collector
71_100_2820	50 NORTH RD (NORTH)	100	2665	3175 UXBRIDGE	HEENAN ST NORTH	NORMANB	2820	8.3	2	900	50 Asset and Commercial	Rotational	5 Yearly	June	2023	Secondary Collector
71_185_746	52 PINE HILL RD (NORTH)	185	674	970 HILLARY ST	NORTH PINE HILL 8	746	10.5	1	2600	50 Asset and Commercial	Rotational	5 Yearly	June	2023	Primary Collector	
71_2779_50	53 WANAKA ST - LOWER (NORTH)	2779	0	166 TOTARA ST	RAVENSBO NORTH	RAVENSBO	50	8.8	1	190	50 Asset and Commercial	Rotational	5 Yearly	June	2023	Low Volume
71_1628_11745	15 TAIERI MOUTH RD (SH)	1628	11245	13441 OTOKIA RD CITY/CLUT	SADDLE HIL	KURI BUSH	11745	6.1	1	650	96 Asset and Commercial	Rotational	5 Yearly	July	2023	Primary Collector
71_792_1475	23 BAY VIEW RD (EAST)	792	1420	1522 AJAX ST	PRINCE ALE EAST	TONGA PAI	1475	11.4	1	5500	50 Asset and Commercial	Rotational	5 Yearly	July	2023	Primary Collector
71_889_1345	27 TOMAHAWK RD (EAST)	889	840	1521 MINTO ST	TOMAHAW EAST	TOMAHAW	1345	8	1	1800	50 Asset and Commercial	Rotational	5 Yearly	July	2023	Secondary Collector
71_1039_156	29 SANDYMOUNT RD (EAST/R)	1039	0	710 HIGHCLIFF	END OF SE/EAST RURA	HIGHCLIFF	156	5	1	100	70 Asset and Commercial	Rotational	5 Yearly	July	2023	Access
71_1320_60	30 COUNCIL ST (STK)	1320	0	101 MOREAU S	DALGETY S' ST KILDA	KETTLE PAF	60	7.3	1	110	50 Asset and Commercial	Rotational	5 Yearly	July	2023	Low Volume
71_716_128	32 BEDFORD ST (WEST)	716	0	199 FORBURY F	BEDFORD F WEST	ST CLAIR 3	128	13.4	1	3600	50 Asset and Commercial	Rotational	5 Yearly	July	2023	Primary Collector
71_579_50	33 EPSILON ST (WEST)	579	0	168 KENMURE	GAMMA ST WEST	ROSS ST AR	50	9.2	1	400	50 Asset and Commercial	Rotational	5 Yearly	July	2023	Access
71_634_94	37 OAKWOOD AVE (WEST)	634	0	215 RENFREW	GLENPARK WEST	LOOKOUT F	94	6.7	1	450	50 Asset and Commercial	Rotational	5 Yearly	July	2023	Access
71_425_1090	39 LYNN ST [CEN-NORTH]	425	976	1133 MAYFIELD	BALMACEV CENTRAL	WAKARI 67	1090	9	1	800	50 Asset and Commercial	Rotational	5 Yearly	July	2023	Secondary Collector
71_517_420	39 BALMAIN ST (CEN)	517	346	638 COLINSAY	ASHMORE CENTRAL	HALFWAY F	420	8	1	230	50 Asset and Commercial	Rotational	5 Yearly	July	2023	Access
71_436_100	40 BALMACEWEN RD (CEN/NORTH)	436	0	250 HIGHGATE	PRESTWICK NORTH	MAORI HIL	100	11.2	1	4300	50 Asset and Commercial	Rotational	5 Yearly	July	2023	Primary Collector
71_298_560	43 STURDEE ST (CEN)	298	472	709 HALSEY ST	WICKLIFFE CENTRAL	WATERFR	560	14	1	250	50 Asset and Commercial	Rotational	5 Yearly	July	2023	Secondary Collector
71_340_120	44 TENNYSON ST - EAST (CEN)	340	92	246 VIEW ST	SMITH ST CENTRAL	EXCHANGE	120	13.1	1	1375	50 Asset and Commercial	Rotational	5 Yearly	July	2023	Secondary Collector
71_2638_146	44 QUEENS GARDENS LEFT (CEN)	2638	116	169 CRAWFOR	BOND CENTRAL	EXCHANGE	146	6.7	1	3600	50 Asset and Commercial	Rotational	5 Yearly	July	2023	Arterial
71_222_100	46 LEITH ST (NORTH)	222	0	224 ST ANDREV	HANOVER NORTH	CITY CENTF	100	14.1	1	1100	50 Asset and Commercial	Rotational	5 Yearly	July	2023	Secondary Collector
71_411_100	47 CORRIE ST (NORTH)	411	0	124 ROYAL TER	QUEENS DF NORTH	MUSEUM 7	100	9.1	1	5300	50 Asset and Commercial	Rotational	5 Yearly	July	2023	Primary Collector
71_112_90	48 BALDWIN ST (NORTH)	112	0	184 NORTH RD	START OF C NORTH	SIGNAL HIL	90	7.3	1	500	50 Asset and Commercial	Rotational	5 Yearly	July	2023	Access
71_242_1950	49 GEORGE ST (NORTH/CEN)	242	1807	2028 HOWE ST	DUKE ST NORTH	NORTH DU	1950	13	2	9500	50 Asset and Commercial	Rotational	5 Yearly	July	2023	Arterial
71_1934_280	4 GLADSTONE RD NORTH (TAI)	1934	0	560 PUDDLE AL	MAGAZINE TAIERI	WINGATUI	280	7.3	1	670	70 Asset and Commercial	Core	Annual	August	2023	Secondary Collector
71_1939_1880	4 FACTORY RD (TAI)	1939	1794	1973 CALEDONIA	CENTRE ST TAIERI	WINGATUI	1880	13	1	3800	50 Asset and Commercial	Core	Annual	August	2023	Arterial
71_1988_2730	6 ALLANTON RD (TAI)	1988	1804	3824 NICHOLS R	GRANTON TAIERI	MOMONA	2730	6	1	700	100 Asset and Commercial	Rotational	5 Yearly	August	2023	Primary Collector
71_1993_3083	6 MARSHALL RD WEST (TAI)	1993	2790	4871 LEE CREEK	END BRIDG TAIERI	MOMONA	3083	5	1	50	100 Asset and Commercial	Rotational	5 Yearly	August	2023	Access
71_1968_1657	7 GORDON RD (TAI)	1968	1025	2450 SCHOOL R	DUKES RD TAIERI	NORTH TAI	1657	5.4	1	880	80 Asset and Commercial	Core	Annual	August	2023	Secondary Collector
71_1348_1187	21 EMERSON ST (GI)	1348	1113	1230 MULFORD	MAIN SOU' GREEN ISLA	CONCORD	1187	9	1	2500	50 Asset and Commercial	Core	Annual	August	2023	Secondary Collector
71_2319_200	22 BRIGHTON RD (GI)	2319	0	307 MAIN SOU'	LANDFILL E GREEN ISLA	GREEN ISLA	200	13.8	1	8300	50 Asset and Commercial	Rotational	5 Yearly	August	2023	Arterial
71_310_286	26 ANDERSONS BAY RD RIGHT (EAST)	310	171	381 STRATHALL	HILLSIDE RI EAST	SOUTH DUI	286	10.4	2	10850	50 Asset and Commercial	Rotational	5 Yearly	August	2023	Arterial
71_942_635	28 EVERY ST (EAST)	942	578	681 ALBION ST	HIGHCLIFF EAST	WAVERLEY	635	9.6	1	1000	50 Asset and Commercial	Rotational	5 Yearly	August	2023	Access
71_1040_156	29 SEAL POINT RD (EAST/R)	1040	0	375 HIGHCLIFF	CULVERT 3 EAST RURA	HIGHCLIFF	156	6.5	1	260	70 Asset and Commercial	Rotational	5 Yearly	August	2023	Secondary Collector
71_720_846	32 FORBURY RD (WEST)	720	659	907 WILSON AV	BAY VIEW F WEST	ST CLAIR 3	846	13.2	1	9400	50 Asset and Commercial	Rotational	5 Yearly	August	2023	Arterial
71_534_261	35 BRADFORD ST (WEST)	534	239	325 BRADFORD	MARSHALL WEST	KAIKORAI V	261	8.1	1	110	50 Asset and Commercial	Rotational	5 Yearly	August	2023	Low Volume
71_425_376	39 LYNN ST [CEN-NORTH]	425	151	570 WALES ST	CHAPMAN CENTRAL	WAKARI 67	376	8.3	1	2100	50 Asset and Commercial	Rotational	5 Yearly	August	2023	Secondary Collector
71_432_2500	40 QUEENS DRIVE (CEN/NORTH)	432	2428	2635 STUART ST	LITTLEBOU CENTRAL	LITTLEBOU	2500	9.5	1	3000	50 Asset and Commercial	Rotational	5 Yearly	August	2023	Secondary Collector
71_349_100	41 JONES ST (CEN)	349	0	128 PRINCES ST	LEES ST CENTRAL	MARKET RI	100	12.3	1	220	50 Asset and Commercial	Rotational	5 Yearly	August	2023	Access
71_294_1665	43 FRYATT ST (CEN)	294	1525	1740 ROAD NAR	END CENTRAL	WATERFR	1665	11.3	1	400	50 Asset and Commercial	Rotational	5 Yearly	August	2023	Secondary Collector
71_242_200	44 GEORGE ST (NORTH/CEN)	242	113	254 MORAY PL	ST ANDREV CENTRAL	CITY RISE 7	200	12.6	2	9000	30 Asset and Commercial	Rotational	5 Yearly	August	2023	Arterial
71_2605_10	44 QUEENS GARDENS (CEN)	2605	0	116 CUMBERLA CRAWFOR	CENTRAL EXCHANGE	10	14	2	1900	50 Asset and Commercial	Rotational	5 Yearly	August	2023	Arterial	
71_215_670	47 FORTH ST (NORTH)	215	580	806 ST DAVID S	DUNDAS ST NORTH	UNIVERSIT	670	13.5	1	1000	50 Asset and Commercial	Rotational	5 Yearly	August	2023	Secondary Collector
71_154_450	49 DUKE ST (NORTH)	154	376	496 GEORGE ST	QUEEN ST I NORTH	NORTH DU	450	12.5	1	3800	50 Asset and Commercial	Rotational	5 Yearly	August	2023	Primary Collector
71_167_550	51 TANNER RD - NORTH (NORTH)	167	395	840 GARDEN PL	GLENHOLM NORTH	LEITH VALL	550	5.2	1	310	50 Asset and Commercial	Rotational	5 Yearly	August	2023	Access
71_32_50	53 WAIREKA ST (NORTH)	32	0	100 JUNCTION	TAUPO ST NORTH	RAVENSBO	50	4.5	1	200	50 Asset and Commercial	Rotational	5 Yearly	August	2023	Access
71_1352_650	56 WICKLIFFE TCE (PC)	1352	607	730 CURRIE ST	GEORGE ST PORT CHAL	PORT CHAL	650	8	1	1300	50 Asset and Commercial	Rotational	5 Yearly	August	2023	Secondary Collector
71_1760_5070	58 PURAKAUNUI RD (WC)	1760	4542	5160 MIHIWAKA	MOPANUI WAIK. COA	PURAKAUN	5070	6	1	300	80 Asset and Commercial	Rotational	5 Yearly	August	2023	Secondary Collector
71_1822_85	59 RAMROCK RD (WC)	1822	0	95 SH. 1	SEAL JOIN WAIK. COA	BUCKLAND	85	6	1	220	100 Asset and Commercial	Rotational	5 Yearly	August	2023	Secondary Collector
71_1690_13680	60 COAST RD (WC)	1690	13395	13795 STORNOW	BARRA ST WAIK. COA	KARITANE	13680	7	1	800	50 Asset and Commercial	Core	Annual	August	2023	Secondary Collector
71_1724_800	60 PARK RD (WC)	1724	686	870 STATION RI	HILL RD WAIK. COA	WARRINGT	800	8	1	400	50 Asset and Commercial	Rotational	5 Yearly	August	2023	Access
71_1858_140	61 BEACH ST (WC)	1858	0	323 SH.1	COLLINS ST WAIK. COA	WAIKOUAI	140	7.2	1	1000	50 Asset and Commercial	Core	Annual	August	2023	Secondary Collector
71_1841_120	61 MALLOCH ST (WC)	1841	0	131 SH.1	COURT ST WAIK. COA	WAIKOUAI	120	9.2	1	300	50 Asset and Commercial	Rotational	5 Yearly	August	2023	Access
71_2236_1094	9 FACTORY RD (MSI)	2236	1082	1386 REID AVE	GORDON R MOSGIEL	AERO 89	1094	13.9	1	6400	50 Asset and Commercial	Core	Annual	September 2023	Arterial	
71_1636_102	9 STEDMAN RD (MSI)	1636	0	755 WINGATUI	ODLINS PL MOSGIEL	AERO 89	102	5.5	1	750	50 Asset and Commercial	Rotational	5 Yearly	September 2023	Access	
71_2236_50	9 FACTORY RD (MSI)	2236	0	172 CENTRE ST	GLENBROO MOSGIEL	AERO 89	50	13.5	1	3300	50 Asset and Commercial	Rotational	5 Yearly	September 2023	Arterial	
71_2257_80	9 LORNE ST (MSI)	2257	0	103 MURRAY S'	PEAT PL MOSGIEL	AERO 89	80	8	1	500	50 Asset and Commercial	Rotational	5 Yearly	September 2023	Access	
71_1564_180	10 HIGH ST (MSI)	1564	0	374 FACTORY R	GREEN ST MOSGIEL	NORTH MC	180	13.8	1	2800	50 Asset and Commercial					

71_775_184	24 THORN ST (EAST)	775	147	216 DAVID ST RUTHERFO EAST	CAVERSHA	184	8.4	1	4100	50 Asset and Commercial	Rotational	5 Yearly	September 2023	Primary Collector
71_864_287	25 MUSSELBURGH RISE (EAST)	864	0	375 ROYAL CRE CAVELL ST EAST	ANDERSON	287	13.9	2	9100	50 Asset and Commercial	Rotational	5 Yearly	September 2023	Arterial
71_1195_112	26 ANDERSONS BAY RD LEFT (EAST)	1195	0	61 SOUTHERN 50KPH SIGN EAST	SOUTH DUI	112	11.4	2	14000	50 Asset and Commercial	Rotational	5 Yearly	September 2023	Arterial
71_864_1100	27 MUSSELBURGH RISE (EAST)	864	995	1137 SHORE ST BAYFIELD R EAST	TAINUI 11	1100	14.3	2	9300	50 Asset and Commercial	Core	Annual	September 2023	Primary Collector
71_889_100	27 TOMAHAWK RD (EAST)	889	0	147 HIGHCLIFF MERCHISTE EAST	TOMAHAW	100	11	1	2200	50 Asset and Commercial	Rotational	5 Yearly	September 2023	Secondary Collector
71_924_1154	28 LARNACH RD (EAST)	924	1075	1226 MATHIESO DUNROBIN EAST	WAVERLEY	1154	8.5	1	1800	50 Asset and Commercial	Rotational	5 Yearly	September 2023	Secondary Collector
71_1044_171	29 TIDEWATER DRIVE (EAST/R)	1044	0	787 HARINGTO HARWOOD EAST RURA HIGHCLIFF		171	4.7	1	420	50 Asset and Commercial	Rotational	5 Yearly	September 2023	Secondary Collector
71_1190_640	30 VICTORIA RD (STK)	1190	385	906 KENNEDY S PLUNKET S ST KILDA	FORBURY F	640	10.5	1	4400	50 Asset and Commercial	Core	Annual	September 2023	Primary Collector
71_1317_144	30 MARKET ST (STK)	1317	109	202 GROVE ST TEDDER ST ST KILDA	TAHUNA 7	144	13.2	1	1300	50 Asset and Commercial	Rotational	5 Yearly	September 2023	Secondary Collector
71_736_670	32 MIDDLETON RD (WEST)	736	640	941 LOCKERBIE GILMERTO WEST	KEW 34	670	8.6	1	3600	50 Asset and Commercial	Core	Annual	September 2023	Primary Collector
71_749_95	32 MURRAY ST (WEST)	749	0	256 PLAYFAIR S EMBO ST WEST	KEW 34	95	7.2	1	450	50 Asset and Commercial	Rotational	5 Yearly	September 2023	Access
71_399_50	33 STONE ST (WEST)	399	0	95 KENMURE MATAORA WEST	BELLEKN	50	11.3	1	6450	50 Asset and Commercial	Rotational	5 Yearly	September 2023	Primary Collector
71_694_406	34 MAILER ST (WEST)	694	338	555 JUBILEE ST KENMURE WEST	MORNING	406	11.5	2	9000	50 Asset and Commercial	Core	Annual	September 2023	Arterial
71_692_150	34 LAWRENCE ST (WEST)	692	83	188 MAILER ST HAVELOCK WEST	MORNING	150	8	1	900	50 Asset and Commercial	Rotational	5 Yearly	September 2023	Access
71_625_875	37 ELGIN RD (WEST)	625	829	938 MITCHELL BENHAR ST WEST	LOOKOUT	875	10.6	1	4550	50 Asset and Commercial	Core	Annual	September 2023	Primary Collector
71_558_920	38 DALZIEL RD [CEN-SH-TAI]	558	686	1060 MCMEAKIN GRIGOR ST CENTRAL	BROCKVILL	920	7.4	1	550	50 Asset and Commercial	Rotational	5 Yearly	September 2023	Access
71_471_70	39 GREENOCK ST (CEN)	471	0	118 KAIKORAI CULLODEN CENTRAL	KAIKORAI	70	6.9	1	500	50 Asset and Commercial	Rotational	5 Yearly	September 2023	Access
71_592_102	40 CITY RD (CEN)	592	0	252 QUEENS DR ROSS ST CENTRAL	ROSLYN 57	102	10.5	1	6000	50 Asset and Commercial	Core	Annual	September 2023	Primary Collector
71_429_40	40 MELROSE ST (CEN)	429	0	189 LITTLEBOU WALLACE S CENTRAL	LITTLEBOU	40	6	1	1030	50 Asset and Commercial	Rotational	5 Yearly	September 2023	Secondary Collector
71_360_900	41 STAFFORD ST (CEN)	360	860	1218 WILLIAM S EGLINTON CENTRAL	MARKET R	900	9.8	1	1100	50 Asset and Commercial	Rotational	5 Yearly	September 2023	Secondary Collector
71_322_200	44 PRINCES ST (CEN/EAST)	322	116	237 MORAY PL DOWLING CENTRAL	EXCHANGE	200	13.2	2	11100	30 Asset and Commercial	Rotational	5 Yearly	September 2023	Arterial
71_269_50	47 UNION ST WEST (NORTH)	269	0	123 QUEEN ST GEORGE ST NORTH	MUSEUM 7	50	13.8	1	700	50 Asset and Commercial	Rotational	5 Yearly	September 2023	Access
71_172_280	50 BUCCLEUGH ST (NORTH)	172	0	555 NORTH RD HAROLD ST NORTH	DALMORE	280	5.6	1	450	50 Asset and Commercial	Rotational	5 Yearly	September 2023	Access
71_31_120	53 TOTARA ST (NORTH)	31	0	251 ADDERLEY WANAKA S NORTH	RAVENSBO	120	7.2	1	520	50 Asset and Commercial	Rotational	5 Yearly	September 2023	Access
71_2151_75	1 ABERAFON ST (ST)	2151	0	123 SWANSEA KIRK ST	STRATH TA MIDDLEMA	75	12.8	1	250	50 Asset and Commercial	Core	Annual	October 2023	Secondary Collector
71_1944_33000	2 GEORGE KING MEMORIAL DRIVE (ST/TAI)	1944	31010	33375 NICHOLS R SH. 87	STRATH TA DEEP STRE	33000	6.1	1	50	100 Asset and Commercial	Core	Annual	October 2023	Secondary Collector
71_2048_4340	2 PUKERANGI RD (ST)	2048	4330	7708 START OF S CATTLE STC STRATH TA NENTHORN		4340	4.1	1	30	100 Asset and Commercial	Rotational	5 Yearly	October 2023	Low Volume
71_3036_200	4 SILVER SPRINGS BOULEVARD (TAI)	3036	140	341 SHOWGATI SHOWGATI TAIERI	WINGATUI	200	12.3	1	100	50 Asset and Commercial	Rotational	5 Yearly	October 2023	Access
71_1960_839	7 RICcarton RD - WEST (TAI)	1960	0	1419 GLADSTON BUSH RD TAIERI	EAST TAIER	839	7.3	1	2400	80 Asset and Commercial	Rotational	5 Yearly	October 2023	Primary Collector
71_1626_8550	15 BRIGHTON RD (SH)	1626	8090	8620 SCROGGS MCINTOSH SADDLE HIL BRIGHTON		8550	9.8	1	2200	50 Asset and Commercial	Rotational	5 Yearly	October 2023	Primary Collector
71_791_319	23 ATKINSON ST (EAST)	791	269	404 OXFORD ST BAY VIEW EAST	TONGA PAI	319	6.3	1	630	50 Asset and Commercial	Rotational	5 Yearly	October 2023	Access
71_273_191	25 ORARI ST (EAST)	273	58	278 TIMARU ST OTAKI ST EAST	ANDERSON	191	18	1	6400	50 Asset and Commercial	Rotational	5 Yearly	October 2023	Primary Collector
71_869_310	27 BAYFIELD RD (EAST)	869	117	507 ELLIOT ST SPOTTISWCE EAST	TOMAHAW	310	9.1	1	900	50 Asset and Commercial	Rotational	5 Yearly	October 2023	Access
71_2665_50	29 MISSION COVE (EAST/R)	2665	0	72 PORTOBELI CORNER EAST RURA MACANDRI		50	7.3	1	50	50 Asset and Commercial	Rotational	5 Yearly	October 2023	Low Volume
71_762_75	31 RYEHILL ST (WEST)	762	0	146 SIDEY ST NOTTINGH. WEST	CALTON HI	75	8	1	600	50 Asset and Commercial	Rotational	5 Yearly	October 2023	Access
71_672_370	36 GLEN RD (WEST)	672	274	772 HAYWOOD OSBORNE T WEST	THE GLEN	370	8.5	1	3700	50 Asset and Commercial	Core	Annual	October 2023	Primary Collector
71_658_130	36 NEIDPATH RD (WEST)	658	0	186 EGLINTON PATRICK ST WEST	THE GLEN	130	7.1	1	1100	50 Asset and Commercial	Rotational	5 Yearly	October 2023	Secondary Collector
71_494_540	39 SHETLAND ST (CEN)	494	424	791 DALE ST MOUNT ST CENTRAL	KAIKORAI	540	7.4	1	850	50 Asset and Commercial	Rotational	5 Yearly	October 2023	Access
71_432_500	40 QUEENS DRIVE (CEN/NORTH)	432	399	830 HAWTHOR PRESTON C CENTRAL	ROSLYN 57	500	6.8	1	500	50 Asset and Commercial	Rotational	5 Yearly	October 2023	Access
71_2887_20	40 LITTLEBOURNE/STUART - LINK (CEN)	2887	0	47 LITTLEBOU STUART ST CENTRAL	LITTLEBOU	20	8	1	100	50 Asset and Commercial	Rotational	5 Yearly	October 2023	Access
71_330_144	44 DOWLING ST (CEN)	330	0	228 RATTRAY S PRINCES ST CENTRAL	EXCHANGE	144	8.5	1	950	50 Asset and Commercial	Rotational	5 Yearly	October 2023	Secondary Collector
71_2780_96	48 OPOHO RD - UPPER (NORTH)	2780	0	105 SIGNAL HIL WARDEN S NORTH	OPOHO 82	96	7.6	1	500	50 Asset and Commercial	Rotational	5 Yearly	October 2023	Access
71_233_200	49 DUNDAS ST (NORTH)	233	123	245 GREAT KIN CUMBERLA NORTH	NORTH DU	200	13.6	1	5400	50 Asset and Commercial	Core	Annual	October 2023	Primary Collector
71_1510_150	54 ST LEONARDS DRIVE (NTH/PC)	1510	0	235 TUI ST WEKA ST NORTH	ST LEONAR	150	5.5	1	170	50 Asset and Commercial	Rotational	5 Yearly	October 2023	Low Volume
71_1614_708	12 TYNE ST (MSI)	1614	660	866 MELVILLE S BRAEMAR MOSGIEL	SOUTH MC	708	9.6	1	700	50 Asset and Commercial	Rotational	5 Yearly	November 2023	Secondary Collector
71_2920_330	14 SUNNINGHURST DRIVE (SH)	2920	232	466 DUXFORD MAIN ROAD SADDLE HIL FAIRFIELD		330	8.5	1	730	50 Asset and Commercial	Rotational	5 Yearly	November 2023	Access
71_1566_110	17 VISCOUNT RD (SH)	1566	0	195 VULCAN RE VALIANT R SADDLE HIL WALDRON		110	9.7	1	320	50 Asset and Commercial	Core	Annual	November 2023	Access
71_1463_1371	18 BLACKHEAD RD (GI/SH)	1463	1310	3456 TUNNEL BE QUARRY EN SADDLE HIL BLACKHEAD		1371	6.7	1	1200	80 Asset and Commercial	Core	Annual	November 2023	Primary Collector
71_1295_45	22 EDINBURGH ST (GI)	1295	0	165 MAIN SOU RENNIE ST GREEN ISLA GREEN ISLA		45	7.1	1	500	50 Asset and Commercial	Core	Annual	November 2023	Access
71_1390_126	22 BROOKLYN ST (GI)	1390	0	198 BRIGHTON END OF KEI GREEN ISLA GREEN ISLA		126	7.7	1	300	50 Asset and Commercial	Rotational	5 Yearly	November 2023	Access
71_809_151	23 FITZROY ST (EAST)	809	0	216 SOUTH RD THORN ST EAST	BATHGATE	151	7.5	1	650	50 Asset and Commercial	Rotational	5 Yearly	November 2023	Access
71_894_80	25 LOCHEND ST (EAST)	894	0	284 CAVELL ST RAVELSTON EAST	ANDERSON	80	7.8	1	250	50 Asset and Commercial	Rotational	5 Yearly	November 2023	Access
71_864_936	27 MUSSELBURGH RISE (EAST)	864	787	995 TAINUI RD SHORE ST EAST	TAINUI 11	936	14.3	1	7600	50 Asset and Commercial	Rotational	5 Yearly	November 2023	Primary Collector
71_2668_59	29 MACANDREW BAY SCHOOL RD (EAST/R)	2668	0	195 PORTOBOL PORTOBELI EAST RURA MACANDRI		59	4.3	1	180	50 Asset and Commercial	Rotational	5 Yearly	November 2023	Low Volume
71_1190_1700	30 VICTORIA RD (STK)	1190	1647	1800 ROUNDAB ROYAL CRE ST KILDA	TAHUNA 7	1700	13.2	1	4200	50 Asset and Commercial	Rotational	5 Yearly	November 2023	Primary Collector
71_761_790	31 RISELAW RD (WEST)	761	650	877 PANMURE PANMURE WEST	CALTON HI	790	10.5	1	2000	50 Asset and Commercial	Core	Annual	November 2023	Secondary Collector
71_707_63	32 ISADORE RD (WEST)	707	0	108 MIDDLETON HILLHEAD F WEST	ST CLAIR 3	63	8.6	1	3000	50 Asset and Commercial	Rotational	5 Yearly	November 2023	Secondary Collector
71_736_1375	32 MIDDLETON RD (WEST)	736	1158	1437 ISADORE R CORSTORP WEST	KEW 34	1375	8.6	1	4700	50 Asset and Commercial	Rotational	5 Yearly	November 2023	Primary Collector
71_389_41	34 JUBILEE ST (WEST)	389	0	92 MAILER ST HAWTHOR WEST	MORNING	41	8.5	1	3500	50 Asset and Commercial	Rotational	5 Yearly	November 2023	Primary Collector
71_645_55	36 BYRON ST (WEST)	645	0	198 GLENPARK CARSON ST WEST	MARYHILL	55	8.2	1	150	50 Asset and Commercial	Rotational	5 Yearly	November 2023	Low Volume
71_621_60	37 BERNARD ST (WEST)	621	0	158 ELGIN RD STANSFIELD WEST	LOOKOUT	60	8.2	1	220	50 Asset and Commercial	Rotational	5 Yearly	November 2023	Access
71_472_764	39 HELENSBURGH RD (CEN)	472	563	825 BALMACEV MAYFIELD CENTRAL	WAKARI 67	764	10	1	3700	50 Asset and Commercial	Core	Annual	November 2023	Primary Collector
71_168_350	39 WAKARI RD (CEN/NORTH)	168	259	680 GILKISON S TUCKETT S CENTRAL	WAKARI 67	350	10.3	1	1500	50 Asset and Commercial	Rotational	5 Yearly	November 2023	Secondary Collector
71_480_88	39 CROMWELL ST (CEN)	480	0	124 TAIERI RD OLIVER ST CENTRAL	KAIKORAI	88	5.9	1	200	50 Asset and Commercial	Rotational	5 Yearly	November 2023	Access
71_523_60	39 GILKISON ST (CEN)	523	0	98 WAKARI RE HANLON S CENTRAL	HALFWAY	60	8	1	850	50 Asset and Commercial	Rotational	5 Yearly	November 2023	Access
71_430_83	40 NEWINGTON AVE (CEN/NORTH)	430	0	133 HIGHGATE BURWOOD NORTH	MAORI HIL	83	10.2	1	1200	50 Asset and Commercial	Rotational	5 Yearly	November 2023	Secondary Collector
71_455_180	40 PILKINGTON ST (NORTH)	455	0	223 BALMACEV PASSMORE NORTH	MAORI HIL	180	10	1	800	50 Asset and Commercial	Rotational	5 Yearly	November 2023	Access
71_1205_1102	40 STUART ST LEFT (CEN)	1205	916	1290 LITTLEBOU HIGHGATE CENTRAL	ROSLYN 57	1102	7.2	2	7300	50 Asset and Commercial	Rotational	5 Yearly	November 2023	Arterial
71_321_44	42 POLICE ST (CEN)	321	0	72 PRINCES ST BOND ST CENTRAL	OVAl 51	44	14	1	1850	50 Asset and Commercial	Rotational	5 Yearly	November 2023	Secondary Collector
71_302_110	43 WARD ST O/B - WEST RAMPS (CEN)	302	0	140 FREDERICK OVERBRIDGE CENTRAL	WATERFR	110	9	1	2200	50 Asset and Commercial	Rotational	5 Yearly	November 2023	Arterial
71_343_537	44 YORK PLACE (CEN)	343	429	606 STUART ST TENNYSON CENTRAL	EXCHANGE	537	13.5	1	1600	50 Asset and Commercial	Rotational	5 Yearly	November 2023	Secondary Collector

71_370_60	45 BROADWAY (CEN)	370	0	129 HIGH ST	RATTRAY S' CENTRAL	JUBILEE PA	60	13	2	10800	50 Asset and Commercial	Rotational	5 Yearly	November 2023	Primary Collector
71_216_660	47 FREDERICK ST (NORTH)	216	608	739 CLYDE ST	ANZAC AVE NORTH	UNIVERSIT	660	13.4	1	4300	50 Asset and Commercial	Rotational	5 Yearly	November 2023	Arterial
71_79_1350	48 SIGNAL HILL RD (NORTH)	79	1152	1511 NORTHFIEL	END K&C NORTH	SIGNAL HIL	1350	7.5	1	450	50 Asset and Commercial	Rotational	5 Yearly	November 2023	Access
71_252_75	49 REGENT RD (NORTH)	252	0	174 GEORGE ST	QUEEN ST NORTH	NORTH DU	75	13.5	1	830	50 Asset and Commercial	Rotational	5 Yearly	November 2023	Access
71_102_725	50 NORWOOD ST (NORTH)	102	691	1303 POTTERS R	CLUNY ST NORTH	NORMANB	725	5.5	1	600	50 Asset and Commercial	Rotational	5 Yearly	November 2023	Access
71_197_71	52 HILLARY ST (NORTH)	197	0	134 PINE HILL R	TENSING S'NORTH	PINE HILL 8	71	9.5	1	550	50 Asset and Commercial	Rotational	5 Yearly	November 2023	Access
71_202_114	52 PATMOS AVE (NORTH)	202	112	1300 END K&C	MAXWELLT NORTH	PINE HILL 8	114	5.7	1	160	50 Asset and Commercial	Rotational	5 Yearly	November 2023	Access
71_1451_185	55 STATION RD (PC)	1451	167	232 FREYBERG	CONSTANT PORT CHAL	SAWYERS E	185	7.5	1	2050	50 Asset and Commercial	Core	Annual	November 2023	Secondary Collector
71_1433_240	56 BLUESKIN RD (PC/WC)	1433	0	263 BORLASES	KOHI PL PORT CHAL	CAREYS BA	240	8	1	1200	50 Asset and Commercial	Rotational	5 Yearly	November 2023	Secondary Collector
71_1810_6300	58 MT CARGILL RD (WC)	1810	3848	6388 MT KETTLE	GREEN RD WAIK. COA	MOUNT CA	6300	5.5	1	300	100 Asset and Commercial	Core	Annual	November 2023	Secondary Collector
71_1775_464	58 DOCTORS POINT RD (WC)	1775	246	585 FOYLE ST	START BRIC WAIK. COA	WAITATI C	464	7.7	1	600	80 Asset and Commercial	Rotational	5 Yearly	November 2023	Access
71_2966_685	59 BENDIGO RD (WC)	2966	0	2104 SH 1	STODDART WAIK. COA	HAWKSBU	685	8.5	1	140	70 Asset and Commercial	Rotational	5 Yearly	November 2023	Access
71_1690_1304	60 COAST RD (WC)	1690	143	1396 END BRIDG	PARK RD WAIK. COA	WARRINGT	1304	6	1	900	70 Asset and Commercial	Rotational	5 Yearly	November 2023	Secondary Collector
71_1729_340	60 BAY RD (WC)	1729	0	422 ESPLANADI	BANK RD WAIK. COA	WARRINGT	340	4.8	1	190	50 Asset and Commercial	Rotational	5 Yearly	November 2023	Access
71_1853_400	61 THOMAS ST (WC)	1853	336	617 COLLINS ST	BOURKE ST WAIK. COA	WAIKOUAI	400	9	1	90	50 Asset and Commercial	Rotational	5 Yearly	November 2023	Low Volume
71_2544_80	61 EDINBURGH ST (WC)	2544	0	137 BENDIGO R	ELGIN WAIK. COA	WAIKOUAI	80	6	1	150	50 Asset and Commercial	Rotational	5 Yearly	November 2023	Access
71_2963_30	43 WARD ST OVERBRIDGE (CEN)	2963	0	62 WEST END	EAST END CENTRAL	WATERFRC	30	13.3	1	4000	50 Asset and Commercial	Core	Annual	November 2023	Arterial
71_1626_2500	15 BRIGHTON RD (SH)	1626	2450	3158 VISCOUNT	START BRIC SADDLE HIL	OCEAN VIE	2500	7.9	1	4000	60 Asset and Commercial	Rotational	5 Yearly	December 2023	Arterial
71_2210_112	20 SHORT ST (GI)	2210	0	370 KAIKORAI \	34/36 BOU GREEN ISLA	ABBOTSFO	112	6.1	1	130	50 Asset and Commercial	Rotational	5 Yearly	December 2023	Low Volume
71_2319_500	22 BRIGHTON RD (GI)	2319	307	783 LANDFILL E	WEIR STREI GREEN ISLA	GREEN ISLA	500	13.8	1	6000	50 Asset and Commercial	Rotational	5 Yearly	December 2023	Arterial
71_320_550	23 KING EDWARD ST (EAST)	320	499	626 LORNE ST	MCBRIDE S EAST	HILLSIDE 2	550	13.4	2	10000	50 Asset and Commercial	Core	Annual	December 2023	Arterial
71_800_50	23 SURREY ST (EAST)	800	0	219 SOUTH RD	THORN ST EAST	BATHGATE	50	6.3	1	600	50 Asset and Commercial	Rotational	5 Yearly	December 2023	Access
71_766_26	24 HAZEL AVE (EAST)	766	0	273 PLAYFAIR S	END EAST CAVERSHA		26	12	1	380	50 Asset and Commercial	Rotational	5 Yearly	December 2023	Access
71_310_550	26 ANDERSONS BAY RD RIGHT (EAST)	310	381	624 HILLSIDE R	MCBRIDE S EAST SOUTH DUI		550	10.4	2	11000	50 Asset and Commercial	Core	Annual	December 2023	Arterial
71_318_35	26 GROSVENOR ST - EAST (EAST)	318	0	230 BRIDGMAN	END EAST SOUTH DUI		35	9.6	1	175	50 Asset and Commercial	Rotational	5 Yearly	December 2023	Low Volume
71_1311_838	27 RAVELSTON ST (STK)	1311	728	914 CAVELL ST	LOCHEND S EAST TAINUI 11		838	8	1	650	50 Asset and Commercial	Rotational	5 Yearly	December 2023	Access
71_1004_50	29 MATARIKI ST (EAST/R)	1004	0	276 PORTOBELI	END EAST RURA	PORTOBELI	50	5.8	1	55	50 Asset and Commercial	Rotational	5 Yearly	December 2023	Low Volume
71_720_1464	32 FORBURY RD (WEST)	720	1444	1528 VICTORIA F	HANDRAIL WEST ST CLAIR 3		1464	10.3	1	2000	50 Asset and Commercial	Rotational	5 Yearly	December 2023	Primary Collector
71_424_62	33 HIGHGATE (WEST/CEN/NORTH)	424	0	358 EPSILON ST	ROSS ST WEST ROSS ST AR		62	7.5	1	4200	50 Asset and Commercial	Core	Annual	December 2023	Primary Collector
71_646_150	36 CARSON ST (WEST)	646	110	180 AYLMER ST	APPOLD ST WEST MARYHILL		150	6.4	1	190	50 Asset and Commercial	Rotational	5 Yearly	December 2023	Low Volume
71_553_1400	38 BROCKVILLE RD (CEN)	553	1313	1515 COCKERELL	WRAY ST CENTRAL BROCKVILL		1400	10.5	1	4600	Asset and Commercial	Core	Annual	December 2023	Primary Collector
71_472_1310	39 HELENSBURGH RD (CEN)	472	1198	1712 TAIERI RD	HOOD ST CENTRAL KAIKORAI E		1310	10	1	600	50 Asset and Commercial	Rotational	5 Yearly	December 2023	Access
71_585_45	40 LUNDIE ST (CEN)	585	0	116 HIGHGATE	BELGRAVE CENTRAL ROSLYN 57		45	5.8	1	140	50 Asset and Commercial	Rotational	5 Yearly	December 2023	Low Volume
71_242_371	44 GEORGE ST (NORTH/CEN)	242	254	476 ST ANDREV	HANOVER ' CENTRAL CITY RISE 7		371	12.2	2	9800	30 Asset and Commercial	Core	Annual	December 2023	Arterial
71_185_1450	52 PINE HILL RD (NORTH)	185	1334	1547 RALEIGH S	CAMPBELL' NORTH PINE HILL 8		1450	10.2	1	1350	50 Transportation Planning	Core	Annual	December 2023	Secondary Collector
71_1920_300	3 HOYLAK ST (TAI)	1920	239	358 LYNAS ST	BEAUMARI TAIERI OUTRAM 3		300	12.8	1	1000	50 Asset and Commercial	Core	Annual	February 2024	Primary Collector
71_1942_970	4 WINGATUI RD (TAI)	1942	726	1789 FACTORY R	SOPER RD TAIERI WINGATUI		970	6.3	1	1400	50 Asset and Commercial	Core	Annual	February 2024	Secondary Collector
71_1880_200	5 GREY ST (TAI)	1880	71	236 SH. 1	DOUGLAS S TAIERI ALLANTON		200	6.5	1	450	50 Asset and Commercial	Core	Annual	February 2024	Access
71_1988_172	6 ALLANTON RD (TAI)	1988	0	1804 CENTRE RD	NICHOLS R TAIERI MOMONA		172	6.3	1	700	100 Asset and Commercial	Core	Annual	February 2024	Primary Collector
71_2224_5051	6 CENTRE RD (TAI)	2224	5005	6356 POPLAR RD	MARSHALL TAIERI MOMONA		5051	6.2	1	550	100 Asset and Commercial	Core	Annual	February 2024	Secondary Collector
71_1922_4382	6 HUNTLY RD (TAI)	1922	3634	4714 MCDONALI	CULVERT 1 TAIERI MAUNGAT		4382	6.8	1	500	100 Asset and Commercial	Rotational	5 Yearly	February 2024	Secondary Collector
71_1990_2968	6 OTOKIA RD WEST (TAI)	1990	2030	3590 KIRKS DRAI	LEE CANAL TAIERI MOMONA		2968	6.1	1	100	100 Asset and Commercial	Rotational	5 Yearly	February 2024	Access
71_1999_2200	6 HENLEY BERWICK RD (TAI)	1999	1827	3064 END BRIDG	PRIVATE R TAIERI MOMONA		2200	7	1	290	100 Asset and Commercial	Rotational	5 Yearly	February 2024	Secondary Collector
71_2042_1697	6 HENLEY RD (TAI)	2042	1009	2460 OTOKIA RD	CULVERT # TAIERI MOMONA		1697	6.8	1	150	100 Asset and Commercial	Rotational	5 Yearly	February 2024	Access
71_1960_2168	7 RICCARTON RD - WEST (TAI)	1960	1419	2251 BUSH RD	END BRIDG TAIERI EAST TAIER		2168	6.7	1	1500	80 Asset and Commercial	Core	Annual	February 2024	Primary Collector
71_1960_3640	7 RICCARTON RD - WEST (TAI)	1960	2843	4228 DUKES RD	SH 87 TAIERI NORTH TAI		3640	6.5	1	1100	80 Asset and Commercial	Rotational	5 Yearly	February 2024	Primary Collector
71_1900_811	8 THREE MILE HILL RD (TAI)	1900	805	2415 FLAGSTAFF	SUBSTATIO TAIERI THREE MIL		811	6.8	1	4600	80 Asset and Commercial	Core	Annual	February 2024	Arterial
71_1562_94	10 HAGART ALEXANDER DR (MSI)	1562	0	40 GORDON R	END OF ISL MOSGIEL NORTH MC		94	11.9	1	3900	50 Asset and Commercial	Core	Annual	February 2024	Primary Collector
71_1491_562	12 ARGYLE ST (MSI)	1491	484	693 INGLIS ST	MURE ST MOSGIEL SOUTH MC		562	12.9	1	1000	50 Asset and Commercial	Rotational	5 Yearly	February 2024	Secondary Collector
71_1626_2400	17 BRIGHTON RD (SH)	1626	2043	2450 VULCAN R	VISCOUNT SADDLE HIL	WALDRON	2400	7.3	1	4400	60 Asset and Commercial	Rotational	5 Yearly	February 2024	Arterial
71_1345_43	22 SCOTLAND TCE (GI)	1345	0	286 MAIN SOU	' DEVONPOR GREEN ISLA GREEN ISLA		43	7.1	1	500	50 Asset and Commercial	Rotational	5 Yearly	February 2024	Access
71_276_350	25 STRATHALLAN ST (EAST)	276	0	497 WHARF ST	ANDERSON EAST ANDERSON		350	13.4	1	9100	50 Asset and Commercial	Rotational	5 Yearly	February 2024	Arterial
71_917_1140	28 DUNROBIN ST (EAST)	917	1019	1318 TOWER AV	SOMERVILL EAST WEAVERLEY		1140	6.4	1	700	50 Asset and Commercial	Rotational	5 Yearly	February 2024	Access
71_878_4126	29 HIGHCLIFF RD (EAST/R+U)	878	3980	5925 CENTRE RD	KARETAI R E EAST RURA	HIGHCLIFF	4126	5.5	1	1100	80 Asset and Commercial	Core	Annual	February 2024	Primary Collector
71_898_6046	29 PORTOBELLO RD (EAST-EAST/R)	898	6009	6573 ST RONAN	S GLENFALLC EAST RURA	MACANDRI	6046	8.4	1	5400	50 Asset and Commercial	Core	Annual	February 2024	Arterial
71_1014_95	29 SEATON RD (EAST/R)	1014	0	224 PORTOBELI	ARNOTT ST EAST RURA	PORTOBELI	95	4	1	80	50 Asset and Commercial	Rotational	5 Yearly	February 2024	Low Volume
71_720_1115	32 FORBURY RD (WEST)	720	1072	1216 INGS AVE	COUGHTRE WEST ST CLAIR 3		1115	11.8	1	5400	50 Asset and Commercial	Rotational	5 Yearly	February 2024	Arterial
71_571_254	38 TURNBULL ST (CEN)	571	0	573 BROCKVILL	TRACEY ST CENTRAL BROCKVILL		254	9	1	320	50 Asset and Commercial	Rotational	5 Yearly	February 2024	Access
71_446_665	40 DRIVERS RD (NORTH)	446	523	754 TOLCARNE	QUEENS DF NORTH MAORI HIL		665	10.2	1	5400	50 Asset and Commercial	Core	Annual	February 2024	Primary Collector
71_432_4244	40 QUEENS DRIVE (CEN/NORTH)	432	4062	4540 COMO ST	LACHLAN A NORTH MAORI HIL		4244	5.8	1	250	50 Asset and Commercial	Rotational	5 Yearly	February 2024	Access
71_1206_164	43 WHARF ST- LEFT (CEN)	1206	0	174 STRATHALL	KITCHENER CENTRAL HARBOUR		164	7.8	2	12600	60 Asset and Commercial	Rotational	5 Yearly	February 2024	Arterial
71_1250_70	53 ADDERLEY TCE (NORTH)	1250	0	313 RAVENSBO	TOTARA ST NORTH RAVENSBO		70	7.1	1	1200	50 Asset and Commercial	Core	Annual	February 2024	Secondary Collector
71_35_882	54 BURKES DRIVE (NORTH)	35	835	1436 FINCH ST	HUIA ST NORTH ST LEONAR		882	5.7	1	400	50 Asset and Commercial	Core	Annual	February 2024	Access
71_2614_318	56 GEORGE ST SH88 (PC)	2614	0	424 WICKLIFFE	BEACH ST PORT CHAL	CAREYS BA	318	14	1	4000	50 Asset and Commercial	Core	Annual	February 2024	
71_1434_700	56 MACANDREW RD (PC)	1434	125	910 MID CURVE	SLANT ST PORT CHAL	CAREYS BA	700	8	1	1700	50 Asset and Commercial	Rotational	5 Yearly	February 2024	Secondary Collector
71_1488_7500	57 ARAMOANA RD (PC)	1488	7460	8058 LAMP POST	LAST HOUS PORT CHAL	ARAMOAN	7500	6.4	1	500	70 Asset and Commercial	Core	Annual	February 2024	Secondary Collector
71_1690_4110	60 COAST RD (WC)	1690	3653	4180 RAILWAY X	70M PAST (WAIK. COA	MERTON 3	4110	6.5	1	350	50 Asset and Commercial	Rotational	5 Yearly	February 2024	Secondary Collector
71_345_95	41 CARROLL ST (CEN)	345	0	126 PRINCES ST	HOPE ST CENTRAL MARKET R		95	13.1	1	1000	50 Transportation Planning	Screenline	Annual	March 2024	Secondary Collector
71_360_135	41 STAFFORD ST (CEN)	360	0	246 PRINCES ST	HOPE ST CENTRAL MARKET R		135	13.3	1	2550	50 Transportation Planning	Screenline	Annual	March 2024	Secondary Collector
71_314_458	42 CRAWFORD ST SH1 (CEN)	314	335	544 JERVOIS ST	POLICE ST CENTRAL OVAL 51		458	23.5	2	17500	50 Transportation Planning	Screenline	Annual	March 2024	
71_315_645	42 CUMBERLAND ST SH1 (CEN)	315	578	682 POLICE ST	JERVOIS ST CENTRAL OVAL 51		645	18	2	13850	50 Transportation Planning	Screenline	Annual	March 2024	

71_322_800	42 PRINCES ST (CEN/EAST)	322	748	938 CARROLL S' MANOR PL CENTRAL	OV	51	800	20.2	2	12000	50 Transportation Planning	Screenline	Annual	March	2024	Arterial
71_323_454	42 VOGEL ST (CEN)	323	385	532 POLICE ST JERVOIS ST CENTRAL	OV	51	454	12.5	1	900	50 Transportation Planning	Screenline	Annual	March	2024	Secondary Collector
71_4147_496	42 BOND ST - SOUTH (CEN)	4147	391	599 POLICE ST JERVOIS ST CENTRAL	OV	51	496	13.4	1	500	50 Transportation Planning	Screenline	Annual	March	2024	Access
71_2576_210	43 CUMBERLAND ST O/B - MAIN SPAN (CEN)	2576	165	215 WEST END EAST END (CENTRAL	HARBOUR I		210	8	2	12000	50 Transportation Planning	Screenline	Annual	March	2024	Arterial
71_328_723	44 CARGILL ST (CEN)	328	523	748 HADDON P FILLEUL ST CENTRAL	CITY RISE 7		723	13.5	1	1900	50 Transportation Planning	Screenline	Annual	March	2024	Secondary Collector
71_343_285	44 YORK PLACE (CEN)	343	238	429 SMITH ST STUART ST CENTRAL	CITY RISE 7		285	13	1	2200	50 Transportation Planning	Screenline	Annual	March	2024	Secondary Collector
71_416_570	44 LONDON ST (CEN)	416	482	665 SCOTLAND CONSTITUT CENTRAL	CITY RISE 7		570	7.3	1	4100	50 Transportation Planning	Screenline	Annual	March	2024	Primary Collector
71_1205_323	44 STUART ST LEFT (CEN)	1205	237	382 SMITH ST YORK PLAC CENTRAL	EXCHANGE		323	13.4	2	11500	50 Transportation Planning	Screenline	Annual	March	2024	Arterial
71_332_150	45 HIGH ST (CEN/WEST)	332	127	249 BROADWA' CLARK ST CENTRAL	JUBILEE PA		150	13.3	1	4000	50 Transportation Planning	Screenline	Annual	March	2024	Primary Collector
71_337_327	45 RATTRAY ST (CEN)	337	195	403 ARTHUR ST BROWN ST CENTRAL	JUBILEE PA		327	13.2	1	6600	50 Transportation Planning	Screenline	Annual	March	2024	Primary Collector
71_378_80	45 MACLAGGAN ST (CEN)	378	0	164 BROADWA CLARK ST CENTRAL	JUBILEE PA		80	12.9	1	5500	50 Transportation Planning	Screenline	Annual	March	2024	Primary Collector
71_2858_200	45 CANONGATE - LOWER (CEN)	2858	55	235 DUNCAN S' RATTRAY S' CENTRAL	JUBILEE PA		200	5	1	150	50 Transportation Planning	Screenline	Annual	March	2024	Low Volume
71_405_515	46 HANOVER ST (NORTH/CEN)	405	486	607 CASTLE ST LEITH ST NORTH	CITY CENTF		515	13.4	1	4200	50 Transportation Planning	Screenline	Annual	March	2024	Primary Collector
71_2612_179	46 ST ANDREW ST SH88 (NORTH)	2612	122	273 CASTLE ST ANZAC AVE NORTH	CITY CENTF		179	13.5	1	7500	50 Transportation Planning	Screenline	Annual	March	2024	
71_2662_131	46 ANZAC AVE- SH88 R50/0.27 - OFF (NORTH)	2662	0	290 ST ANDREV CASTLE ST - NORTH	CITY CENTF		131	14	1	3800	50 Transportation Planning	Screenline	Annual	March	2024	Primary Collector
71_216_410	47 FREDERICK ST (NORTH)	216	365	486 CASTLE ST LEITH ST NORTH	UNIVERSIT'		410	13.4	1	7500	50 Transportation Planning	Screenline	Annual	March	2024	Arterial
71_240_1164	47 CUMBERLAND ST NORTH SH1 (CEN)	240	1078	1300 UNION ST \ ALBANY ST NORTH	UNIVERSIT'		1164	13.5	2	12500	50 Transportation Planning	Screenline	Annual	March	2024	
71_242_1000	47 GEORGE ST (NORTH/CEN)	242	919	1141 ALBANY ST UNION ST \ NORTH	MUSEUM 7		1000	13.1	2	8500	50 Transportation Planning	Screenline	Annual	March	2024	Arterial
71_268_100	47 PITT ST (NORTH)	268	0	171 GEORGE ST QUEEN ST NORTH	MUSEUM 7		100	13.9	1	5100	50 Transportation Planning	Screenline	Annual	March	2024	Arterial
71_1237_120	47 GREAT KING ST NTH SH1 (NORTH)	1237	0	222 ALBANY ST UNION ST \ NORTH	MUSEUM 7		120	13.2	2	12500	50 Transportation Planning	Screenline	Annual	March	2024	
71_211_331	47 ALBANY ST (NORTH)	211	241	362 CUMBERLA ETHEL BEN. NORTH	UNIVERSIT'		331	13.2	1	7000	50 Transportation Planning	Screenline	Annual	March	2024	Arterial
71_100_1534	50 NORTH RD (NORTH)	100	1494	1783 ARNOLD ST MONTAGU NORTH	NORMANB		1534	14.2	1	5200	50 Transportation Planning	Core	Annual	March	2024	Arterial
71_310_1100	26 ANDERSONS BAY RD RIGHT (EAST)	310	1081	1213 OXFORD ST ANDERSON EAST	SOUTH DUI		1100	10.4	2	8600	50 Asset and Commercial	Core	Annual	March	2024	Arterial
71_1195_1100	26 ANDERSONS BAY RD LEFT (EAST)	1195	1074	1206 TEVIOT ST ANDERSON EAST	SOUTH DUI		1100	9	2	9000	50 Asset and Commercial	Core	Annual	March	2024	Arterial
71_1491_1200	12 ARGYLE ST (MSI)	1491	1137	1356 LANARK ST BUSH RD MOSGIEL	SOUTH MC		1200	13.5	1	1600	50 Asset and Commercial	Rotational	5 Yearly	April	2024	Secondary Collector
71_1624_2254	16 SADDLE HILL RD (SH)	1624	2241	3348 TAIERI LOO FINNIE RD SADDLE HIL	SADDLE HIL		2254	6	1	330	80 Asset and Commercial	Rotational	5 Yearly	April	2024	Secondary Collector
71_547_620	20 TOWNLEYS RD (WEST-GI)	547	422	865 WARD BOL RESERVOIR GREEN ISLA	ABBOTSFOL		620	6.3	1	400	50 Asset and Commercial	Rotational	5 Yearly	April	2024	Secondary Collector
71_1396_90	22 WESTLAND ST (GI)	1396	0	268 MAIN SOU' END (END (GREEN ISLA	GREEN ISLA		90	12.3	1	3780	50 Asset and Commercial	Rotational	5 Yearly	April	2024	Primary Collector
71_795_47	23 HALL ST (EAST)	795	0	135 MELBOURN OXFORD ST EAST	TONGA PAI		47	6.6	1	320	50 Asset and Commercial	Rotational	5 Yearly	April	2024	Access
71_276_111	25 STRATHALLAN ST (EAST)	276	0	497 WHARF ST ANDERSON EAST	ANDERSON		111	13.4	1	9100	50 Asset and Commercial	Rotational	5 Yearly	April	2024	Arterial
71_878_780	27 HIGHCLIFF RD (EAST/R+U)	878	740	904 EVERY ST BONE ST EAST	TOMAHAW		780	10.3	1	2300	50 Asset and Commercial	Rotational	5 Yearly	April	2024	Primary Collector
71_998_3275	29 HARINGTON POINT RD (EAST/R)	998	3104	4435 TIDEWATEI LEWIS RD EAST RURA	HIGHCLIFF		3275	9	1	600	70 Asset and Commercial	Core	Annual	April	2024	Primary Collector
71_1023_106	29 CAMP RD (EAST/R)	1023	0	932 HIGHCLIFF CASTLEWO EAST RURA	HIGHCLIFF		106	6.2	1	500	70 Asset and Commercial	Rotational	5 Yearly	April	2024	Secondary Collector
71_1325_522	30 BELLONA ST (STK)	1325	485	588 AJAX ST PRINCE ALE ST KILDA	KETTLE PA		522	10.6	1	300	50 Asset and Commercial	Rotational	5 Yearly	April	2024	Access
71_390_250	33 KENMURE RD (WEST)	390	0	273 EPSILON ST CARNARVC WEST	BELLEKNOL		250	10.7	1	4800	50 Asset and Commercial	Rotational	5 Yearly	April	2024	Primary Collector
71_546_101	35 SALISBURY RD (WEST)	546	0	198 KAIKORAI \ MARSHALL WEST	KAIKORAI \		101	7.3	1	190	50 Asset and Commercial	Rotational	5 Yearly	April	2024	Low Volume
71_425_641	39 LYNN ST [CEN-NORTH]	425	570	746 CHAPMAN PROSPECT \ CENTRAL	WAKARI 67		641	7.3	1	1450	50 Asset and Commercial	Rotational	5 Yearly	April	2024	Secondary Collector
71_610_200	40 OBAN ST (CEN)	610	111	269 TYNE ST WALTON S' CENTRAL	LITTLEBOU		200	7.6	1	1050	50 Asset and Commercial	Rotational	5 Yearly	April	2024	Secondary Collector
71_2576_20	43 CUMBERLAND ST O/B - MAIN SPAN (CEN)	2576	0	55 CRAWFORI WEST ABU' CENTRAL	HARBOUR I		20	10	2	8500	50 Asset and Commercial	Rotational	5 Yearly	April	2024	Arterial
71_335_1020	44 MORAY PLACE (CEN)	335	1002	1068 BURLINGT C PRINCES ST CENTRAL	EXCHANGE		1020	13.5	1	6600	50 Asset and Commercial	Rotational	5 Yearly	April	2024	Arterial
71_335_686	44 MORAY PLACE (CEN)	335	665	801 GREAT KIN' STUART ST CENTRAL	EXCHANGE		686	13.5	1	6000	50 Asset and Commercial	Rotational	5 Yearly	April	2024	Arterial
71_211_184	47 ALBANY ST (NORTH)	211	121	241 GREAT KIN' CUMBERLA NORTH	MUSEUM 7		184	13.2	1	6000	50 Asset and Commercial	Rotational	5 Yearly	April	2024	Arterial
71_62_150	48 EVANS ST (NORTH)	62	116	290 WINDSOR \ ROXBURGH- NORTH	OPOHO 82		150	7.9	1	550	50 Asset and Commercial	Core	Annual	April	2024	Access
71_117_50	48 CALDER AVE (NORTH)	117	0	162 NORTH RD PRIMROSE NORTH	SIGNAL HIL		50	7.8	1	350	Asset and Commercial	Rotational	5 Yearly	April	2024	Access
71_163_65	51 MALVERN ST (NORTH)	163	0	184 TRACK LHS WOODHALL NORTH	LEITH VALL		65	14.4	1	2950	50 Asset and Commercial	Core	Annual	April	2024	Secondary Collector
71_34_180	53 WANAKA ST - UPPER (NORTH)	34	113	225 KAURI ST MANAPOU NORTH	RAVENSBO		180	6.7	1	300	50 Asset and Commercial	Rotational	5 Yearly	April	2024	Access
71_100_388	50 NORTH RD (NORTH)	100	371	572 GLENDININ CRAIGLEITH NORTH	DALMORE \		388	13.7	2	11500	50 Asset and Commercial	Core	Annual	April	2024	Arterial
71_1629_50	11 WOODLAND AVE (MSI)	1629	0	578 QUARRY RI END OF SE \ MOSGIEL	EAST MOSC		50	8.1	1	200	50 Asset and Commercial	Rotational	5 Yearly	May	2024	Access
71_1610_131	12 BUSH RD (MSI/TAI)	1610	0	202 GORDON R FORFAR ST MOSGIEL	SOUTH MC		131	11.3	1	4700	50 Asset and Commercial	Core	Annual	May	2024	Primary Collector
71_1591_26	13 WALTON PARK AVE (SH)	1591	0	138 OLD BRIGH EDITH ST SADDLE HIL	KAIKORAI L		26	9.8	1	1650	50 Asset and Commercial	Core	Annual	May	2024	Secondary Collector
71_1626_9263	15 BRIGHTON RD (SH)	1626	9222	9344 TAYLOR ST PEARSE ST SADDLE HIL	BRIGHTON		9263	9.5	1	1300	50 Asset and Commercial	Core	Annual	May	2024	Primary Collector
71_1656_36	15 SEAVIEW RD (SH)	1656	0	432 MCINTOSH SCROGGS F SADDLE HIL	BRIGHTON		36	5.8	1	260	50 Asset and Commercial	Rotational	5 Yearly	May	2024	Access
71_1467_170	19 ABBOTSFORD RD (GI)	1467	100	190 START OF I' WALDRON GREEN ISLA	ABBOTSFOL		170	9.3	1	4200	50 Asset and Commercial	Core	Annual	May	2024	Primary Collector
71_1287_3100	22 MAIN SOUTH RD (GI)	1287	3057	3176 JENKINS ST HOWDEN S GREEN ISLA	GREEN ISLA		3100	14.2	1	7200	50 Asset and Commercial	Core	Annual	May	2024	Arterial
71_1287_2416	22 MAIN SOUTH RD (GI)	1287	2347	2574 CARNFORT EDINBURG GREEN ISLA	GREEN ISLA		2416	13	1	8100	50 Asset and Commercial	Rotational	5 Yearly	May	2024	Primary Collector
71_807_150	23 EASTBOURNE ST (EAST)	807	0	396 SOUTH RD HILLSIDE RI EAST	BATHGATE		150	8.6	1	525	50 Asset and Commercial	Rotational	5 Yearly	May	2024	Access
71_1208_700	25 PORTSMOUTH DRIVE LEFT (EAST)	1208	600	852 MIDLAND S' TEVIOT ST EAST	ANDERSON		700	8.4	2	10000	60 Asset and Commercial	Core	Annual	May	2024	Arterial
71_1195_1350	25 ANDERSONS BAY RD LEFT (EAST)	1195	1228	1453 ANDERSON ROYAL CRE EAST	ANDERSON		1350	13.6	2	10000	50 Asset and Commercial	Rotational	5 Yearly	May	2024	Arterial
71_855_680	27 CAVELL ST (EAST)	855	653	749 MAGDALA CREST ST EAST	TAINUI 11		680	7.8	1	1300	50 Asset and Commercial	Rotational	5 Yearly	May	2024	Secondary Collector
71_916_950	28 DOON ST (EAST)	916	934	1388 SCOBIE RD CONNELL S EAST	WAYERLEY		950	10.2	1	500	50 Asset and Commercial	Rotational	5 Yearly	May	2024	Access
71_1023_1320	29 CAMP RD (EAST/R)	1023	932	1440 CASTLEWO CASTLE GA' EAST RURA	HIGHCLIFF		1320	4.7	1	200	70 Asset and Commercial	Rotational	5 Yearly	May	2024	Secondary Collector
71_1254_500	30 PRINCE ALBERT RD (STK)	1254	477	557 COUNCIL S' DOUGLAS S ST KILDA	KETTLE PA		500	12.2	1	4200	50 Asset and Commercial	Core	Annual	May	2024	Primary Collector
71_1355_311	30 RICHARDSON ST (STK)	1355	273	358 WATERLOC CORUNNA ST KILDA	FORBURY F		311	13	1	1150	50 Asset and Commercial	Rotational	5 Yearly	May	2024	Secondary Collector
71_725_546	32 RAVENSWOOD RD (WEST)	725	465	808 EARLS RD BEDFORD S WEST	ST CLAIR 3		546	6.3	1	1400	50 Asset and Commercial	Rotational	5 Yearly	May	2024	Secondary Collector
71_390_1094	34 KENMURE RD (WEST)	390	1067	1226 MAILER ST DURHAM S WEST	MORNINGT		1094	7.5	1	6000	50 Asset and Commercial	Rotational	5 Yearly	May	2024	Primary Collector
71_541_2250	35 KAIKORAI VALLEY RD RIGHT (WEST)	541	2220	2681 SALISBURY BRYANT ST WEST	KAIKORAI \		2250	8	1	5000	50 Asset and Commercial	Core	Annual	May	2024	Arterial
71_1201_2300	35 KAIKORAI VALLEY RD LEFT (CEN/WEST/G	1201	2220	2681 SALISBURY BRYANT ST WEST	KAIKORAI \		2300	8	1	4500	50 Asset and Commercial	Core	Annual	May	2024	Arterial
71_654_106	36 KIRRIEMUIR ST (WEST)	654	0	228 FORFAR ST FORFAR ST WEST	MARYHILL \		106	7.3	1	450	50 Asset and Commercial	Rotational	5 Yearly	May	2024	Access
71_625_1225	37 ELGIN RD (WEST)	625	1127	1242 MORNINGT WILLS ST WEST	LOOKOUT F		1225	7.9	1	400	50 Asset and Commercial	Rotational	5 Yearly	May	2024	Access
71_476_301	39 TAIERI RD (CEN)	476	172	367 NAIRN ST WAIROA ST CENTRAL	KAIKORAI 6		301	14.9	2	10000	50 Asset and Commercial	Core	Annual	May	2024	Arterial
71_168_1100	39 WAKARI RD (CEN/NORTH)	168	888	1207 HELENSBUI END K&C CENTRAL	WAKARI 67		1100	8.5	1	750	50 Asset and Commercial	Rotational	5 Yearly	May	2024	Access

71_491_70	39 NAIRN ST (CEN)	491	0	160 TAIERI RD SCHOOL ST CENTRAL	KAIKORAI E	70	12	1	3270	50 Asset and Commercial	Rotational	5 Yearly	May	2024	Primary Collector
71_424_1813	40 HIGHGATE (WEST/CEN/NORTH)	424	1768	1858 DUNBLANE FAIRFAX ST NORTH	MAORI HIL	1813	11.2	1	8600	50 Asset and Commercial	Core	Annual	May	2024	Arterial
71_339_1102	40 STUART ST RIGHT (CEN)	339	916	1290 LITTLEBOU HIGHGATE CENTRAL	ROSLYN 57	1102	7.2	2	8100	50 Asset and Commercial	Rotational	5 Yearly	May	2024	Arterial
71_454_50	40 PASSMORE CRES (NORTH)	454	0	177 HIGHGATE SPYLAU ST NORTH	MAORI HIL	50	14.7	1	320	50 Asset and Commercial	Rotational	5 Yearly	May	2024	Access
71_323_810	42 VOGEL ST (CEN)	323	742	889 WOLSELEY GORDON S CENTRAL	OVALL 51	810	12.5	1	950	50 Asset and Commercial	Rotational	5 Yearly	May	2024	Secondary Collector
71_300_150	43 THOMAS BURNS ST (CEN)	300	103	189 WILLIS ST CRESSWELL CENTRAL	HARBOUR I	150	13.3	2	15500	50 Asset and Commercial	Rotational	5 Yearly	May	2024	Arterial
71_328_435	44 CARGILL ST (CEN)	328	217	523 STUART ST HADDON P CENTRAL	CITY RISE 7	435	13.5	1	2000	50 Asset and Commercial	Rotational	5 Yearly	May	2024	Secondary Collector
71_1204_84	44 STUART ST LOWER (CEN)	1204	0	116 OCTAGON MORAY PL CENTRAL	EXCHANGE	84	14	1	4100	50 Asset and Commercial	Rotational	5 Yearly	May	2024	Arterial
71_337_870	45 RATTRAY ST (CEN)	337	797	947 MACLAGG/ PRINCES ST CENTRAL	JUBILEE PA	870	13.2	2	9000	50 Asset and Commercial	Rotational	5 Yearly	May	2024	Primary Collector
71_222_320	46 LEITH ST (NORTH)	222	224	450 HANOVER / FREDERICK NORTH	CITY CENTR	320	14.2	1	1200	50 Asset and Commercial	Core	Annual	May	2024	Secondary Collector
71_221_130	47 HYDE ST (NORTH)	221	0	223 FREDERICK ALBANY ST NORTH	UNIVERSITY	130	6	1	300	50 Asset and Commercial	Rotational	5 Yearly	May	2024	Access
71_242_2220	49 GEORGE ST (NORTH/CEN)	242	2144	2455 INVERLEITH # 34/38 BA NORTH	NORTH DU	2220	13.4	2	8000	50 Asset and Commercial	Rotational	5 Yearly	May	2024	Arterial
71_110_83	50 WATTS RD (NORTH)	110	0	170 NORTH RD LANGHAM NORTH	NORMANB	83	8.1	1	380	50 Asset and Commercial	Rotational	5 Yearly	May	2024	Access
71_205_40	52 RALEIGH ST (NORTH)	205	0	80 PINE HILL R HILLARY ST NORTH	PINE HILL 8	40	11.1	1	225	50 Asset and Commercial	Rotational	5 Yearly	May	2024	Access
71_898_130	25 PORTOBELLO RD (EAST-EAST/R)	898	0	371 SHORE STR MARNE ST EAST	ANDERSON	130	7.5	2	6800	50 Asset and Commercial	Core	5 Yearly	May	2024	Arterial
71_896_169	28 MARNE ST (EAST)	896	0	349 PORTOBELL LARNACH F EAST	WAVERLEY	169	7.9	2	7400	50 Asset and Commercial	Core	Annual	June	2024	Primary Collector
71_1527_114	11 KINMONT CRES (MSI)	1527	0	152 CLYDE ST GEBBIE ST MOSGIEL	EAST MOSC	114	9.3	1	700	50 Asset and Commercial	Core	Annual	June	2024	Access
71_1499_50	12 MCDONALD ST (MSI)	1499	0	453 ASHTON ST INGLIS ST MOSGIEL	SOUTH MC	50	9.4	1	220	50 Asset and Commercial	Rotational	5 Yearly	June	2024	Access
71_1628_200	15 TAIERI MOUTH RD (SH)	1628	0	4652 BIG STONE BRIDGE # 4 SADDLE HILL BRUCE ROCK		200	7.9	1	1000	100 Asset and Commercial	Rotational	5 Yearly	June	2024	Primary Collector
71_1626_329	18 BRIGHTON RD (SH)	1626	0	700 WEIR ST ALLEN ROAD SADDLE HILL BLACKHEATH		329	7.4	1	5050	80 Asset and Commercial	Rotational	5 Yearly	June	2024	Arterial
71_1289_69	22 CHURCH ST (GI)	1289	28	163 SHAND ST I MUIR ST GREEN ISLAND GREEN ISLAND		69	6.3	1	1200	50 Asset and Commercial	Rotational	5 Yearly	June	2024	Secondary Collector
71_792_138	23 BAY VIEW RD (EAST)	792	0	397 FORBURY F SURREY ST EAST	TONGA PAI	138	11.5	1	3000	50 Asset and Commercial	Rotational	5 Yearly	June	2024	Primary Collector
71_805_95	23 BRADSHAW ST (EAST)	805	0	213 HILLSIDE ROAD BATHGATE EAST	BATHGATE	95	6	1	2000	50 Asset and Commercial	Rotational	5 Yearly	June	2024	Secondary Collector
71_359_1700	24 SOUTH RD (WEST/EAST)	359	1667	1775 DAVID ST PLAYFAIR S EAST	CAVERSHAIR	1700	13.5	2	11000	50 Asset and Commercial	Core	Annual	June	2024	Arterial
71_764_44	24 COLLEGE ST (EAST)	764	0	77 SOUTH RD RANFURLY EAST	CAVERSHAIR	44	5.7	1	340	50 Asset and Commercial	Rotational	5 Yearly	June	2024	Access
71_275_700	25 PORTSMOUTH DRIVE RIGHT (EAST)	275	600	862 MIDLAND STREET TEVIOT ST EAST	ANDERSON	700	7.5	2	9500	60 Asset and Commercial	Core	Annual	June	2024	Arterial
71_274_319	25 OTAKI ST (EAST)	274	218	450 ORARI ST TURAKINA EAST	ANDERSON	319	13.3	1	3100	50 Asset and Commercial	Rotational	5 Yearly	June	2024	Secondary Collector
71_3054_410	25 PORTOBELLO RD (SUNSHINE) (EAST)	3054	67	730 TIMARU ST START OF ISLAND EAST	ANDERSON	410	10	1	2700	50 Asset and Commercial	Rotational	5 Yearly	June	2024	Secondary Collector
71_1195_550	26 ANDERSONS BAY RD LEFT (EAST)	1195	382	623 ORARI ST MCBRIDE S EAST	SOUTH DUN	550	10.5	2	10000	50 Asset and Commercial	Core	Annual	June	2024	Arterial
71_398_214	27 STIRLING ST (EAST)	398	0	391 TOMAHAW DUCKWORKS EAST	TOMAHAWK	214	7.3	1	550	50 Asset and Commercial	Rotational	5 Yearly	June	2024	Access
71_893_76	27 OREGON ST (EAST)	893	0	626 TOMAHAW TOMAHAW EAST	TOMAHAWK	76	6.7	1	260	50 Asset and Commercial	Rotational	5 Yearly	June	2024	Access
71_944_50	28 JEFFERY ST (EAST)	944	0	529 HIGHCLIFF KINVIG ST EAST	WAVERLEY	50	6.3	1	550	50 Asset and Commercial	Rotational	5 Yearly	June	2024	Access
71_1034_243	29 PAKIHIAU RD (EAST/R)	1034	0	458 HARINGTON END EAST RURAL HIGHCLIFF		243	5.7	1	150	50 Asset and Commercial	Rotational	5 Yearly	June	2024	Access
71_1339_170	30 ROYAL CRESCENT (STK)	1339	0	334 VICTORIA ROAD MARLOW STREET KILDA	TAHUNA 70	170	9.2	1	600	50 Asset and Commercial	Rotational	5 Yearly	June	2024	Secondary Collector
71_720_253	32 FORBURY RD (WEST)	720	85	396 SUSSEX ST MACANDRILL WEST	KEW 34	253	13.6	2	9500	50 Asset and Commercial	Core	Annual	June	2024	Arterial
71_732_160	32 CORSTORPHINE RD (WEST)	732	0	484 MURRAY STREET MILBURN S WEST	KEW 34	160	10.4	1	4900	50 Asset and Commercial	Rotational	5 Yearly	June	2024	Primary Collector
71_627_50	37 FORBES ST (WEST)	627	0	117 RENFREW STREET SCOLAR S WEST	LOOKOUT H	50	6.3	1	380	50 Asset and Commercial	Rotational	5 Yearly	June	2024	Access
71_298_200	43 STURDEE ST (CEN)	298	144	289 DEVON STREET BAUCHOP STREET CENTRAL	WATERFRONT	200	13.4	1	400	50 Asset and Commercial	Core	Annual	June	2024	Secondary Collector
71_301_526	43 WARD ST (CEN)	301	466	678 HALSEY STREET WICKLIFFE CENTRAL	WATERFRONT	526	10.5	1	400	50 Asset and Commercial	Rotational	5 Yearly	June	2024	Access
71_332_802	45 HIGH ST (CEN/WEST)	332	738	861 GRANT STREET MAITLAND CENTRAL	JUBILEE PARK	802	13.3	1	5200	50 Asset and Commercial	Rotational	5 Yearly	June	2024	Primary Collector
71_211_48	47 ALBANY ST (NORTH)	211	0	121 GEORGE STREET GREAT KINROSS NORTH	MUSEUM 7	48	13.2	1	5600	50 Asset and Commercial	Rotational	5 Yearly	June	2024	Arterial
71_111_78	48 ARNOLD ST (NORTH)	111	0	264 NORTH ROAD RADNOR STREET NORTH	SIGNAL HILL	78	7	1	600	50 Asset and Commercial	Rotational	5 Yearly	June	2024	Access
71_100_5705	50 NORTH ROAD (NORTH)	100	5545	5978 CLAVA STREET UPPER JUNIOR NORTH	NORMANBY	5705	7	1	725	50 Asset and Commercial	Rotational	5 Yearly	June	2024	Secondary Collector
71_197_650	52 HILLARY STREET (NORTH)	197	622	702 DOVER STREET RALEIGH STREET NORTH	PINE HILL 8	650	7.7	1	165	50 Asset and Commercial	Rotational	5 Yearly	June	2024	Access
71_185_1450	52 PINE HILL ROAD (NORTH)	185	1334	1547 RALEIGH STREET CAMPBELL STREET NORTH	PINE HILL 8	1450	10.2	1	1350	50 Transportation Planning	Core	Annual	December	2024	Secondary Collector



Miovision Scout Video Collection Unit Operating Manual

English / Deutsch / Français

CHOOSING A LANGUAGE ON SCOUT

The Miovision Scout Video Collection Unit (VCU) display operates in English, French (Francais), and German (Deutsch).

1. With the Scout VCU powered ON, from any screen, press **Settings**.
2. Press **Language**.
3. Press the **+** and **–** buttons to change the language.
4. Press **Save**.

SPRACHEINSTELLUNG AUF DEM SCOUT

Die Scout Nutzeroberfläche ist nun auch auf Deutsch und Französisch verfügbar. Zur Änderung der Spracheinstellung folgen Sie bitte den folgenden Schritten.

1. Die **Settings (Einstellungen)** sind von jedem Bildschirm aus zu erreichen.
2. Drücken Sie **Language (Sprache)**.
3. Mit dem **+** und **–** Knopf gelangen Sie zur gewünschten Sprache
4. Klicken Sie auf **Save (Speichern)**.

CHANGER LA LANGUE SUR LE SCOUT

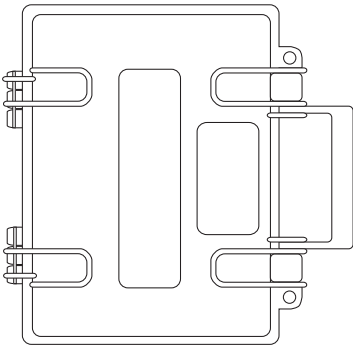
L'interface du Scout est maintenant adaptée pour le français et l'allemand. Utilisez les étapes ci-dessous pour changer la langue sur le Scout.

1. Appuyez sur **Settings (Paramètres)** depuis n'importe quel écran du Scout.
2. Appuyez sur **Language (Langue)**.
3. Utilisez les boutons **+** et **–** pour sélectionner votre langue.
4. Appuyez sur **Save (Sauvegarder)**.

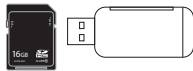
PACKAGE CONTENTS

**Images not to scale*

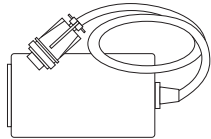
Scout Control Box (x1)



SD Card (x1) &
USB SD Card Reader
(x1)



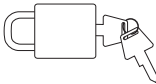
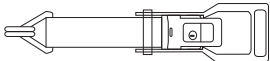
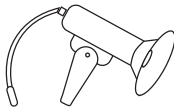
Universal Charger &
Charger Power Cord
(Regional) (x1)



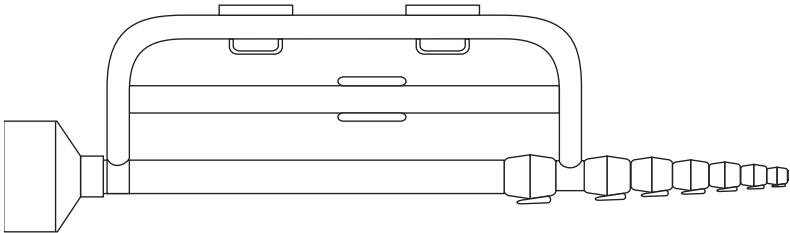
Accessory Case (x1)
contains these items:



Camera in Shroud with Insert Mount (x1) • Ratchet Strap (x2)
Torx driver (x1) • Padlock with Key (x4)



Pole-Mount (x1)



SUPPORT CONTACT INFORMATION

North America	1 855 360 7752
Germany	+49 221 261 03451
France	0800 916724
UK	0800 0314065
Europe-wide	0800 855 880 9115
Email (all regions)	support@miovision.com

OPERATING PARAMETERS

Deployed Height	~20 ft. (6m) + the height at which you mounted the bracket
Temperature Range	-40°F (-40°C) to 140°F (60°C)
Maximum Wind Load	50 mph (~80.5 km/h)
Day/Night	Camera rated for 0.03 lux. Usable for 24-hour studies.
Field of View	90° horizontal and vertical
Max. Battery Life	72 hours of continuous use
Battery Recharge Time	~24 hours
Compatible Memory	SD Memory cards up to 32 GB

MAXIMUM RECORDING TIME

SD Card Size	Maximum recording time
2 GB	11 hours
4 GB	22 hours
8 GB	45 hours
16 GB	90 hours
32 GB	182 hours
2 x 32 GB	364 hours

INSTALL AND REGISTER SCOUT CONNECT

1. To turn Scout on, open the Scout case and then press the yellow power button.
2. Align the 3 USB plug connectors on the Connect with the 3 USB ports on the Scout and then insert the Connect.
3. To enable power to the Connect, on Scout, press **Settings** and then press **USB**.
4. After Scout recognizes the Connect, the Connected badge and a registration code appear on the Scout screen. This might take a few minutes.
5. After the code is displayed, go to datalink.miovision.com/get-connected, log in to DataLink, click **Register your Connect**, and then type the registration code.
6. On Scout, press **Continue**.

After you have registered your first connect, you can register subsequent connects by clicking the **Devices** tab, clicking **Add New Connect**, and then typing the registration code.

Updating the Time Zone Setting for Scout without Connect

Scout with Connect requires no manual adjustment for Daylight Savings Time (DST) because the time zone and system time update automatically. Customers without Connect must manually adjust the time zone setting for DST.

To change the time zone manually on Scout:

1. On Scout, go to **Settings**.
2. Press **Date & Time**.
3. Press **Time Zone**.
4. Navigate to and then select the time zone for your region.

SCOUT SAFETY INSTRUCTIONS

Follow these safety instructions when you deploy and use the Scout VCU.

Security

- Securely fasten and tighten the clamps when you deploy the mast. When the clamps are securely fastened, the mast sections cannot rotate.
- Securely fasten and lock all components.
- You can deploy the Scout Pole Mount off of the ground for added security against tampering. If you deploy the Scout Pole Mount off of the ground, make sure that the ratchet straps are fully tightened.
- For optional added security, you can secure the Scout Pole Mount using a chain and lock (not provided).

Safety

- Be mindful of overhead obstacles - do not deploy to any location where power lines or transformers could make contact with the extended mast.
- Make sure that the Scout Pole Mount is tightly secured before you extend or retract the mast or mount a Scout VCU or Power Pack on the bracket.
- Never deploy Scout in a lightning storm, or when lightning is forecast.
- The Scout VCU is watertight when the door is securely closed. If you open the door during inclement weather, water could damage the electronics.
- Avoid disassembling the Scout VCU unless a Customer Support Representative instructs you to do so.

BATTERY SPECIFICATIONS

Sealed Lead Acid batteries can be affected by ambient temperatures, charging patterns, and usage behavior.

Scout VCU: 12V, 14AH SLA battery

Power Pack: 12V, 9AH SLA battery

If you purchase new batteries, Miovision recommends the PowerSonic PS-12140 batteries. If PowerSonic batteries are not available, you can purchase another battery with the same specifications.

Scout battery estimates are based on PowerSonic batteries. If you use other batteries, estimated Recording/Standby times can vary.

Recording Time

Scout VCU: 72 hours (3 days)

Scout VCU + Power Pack: 168 hours (7 days)

Estimated recording times are based on deployments in optimal ambient temperatures, using batteries charged and maintained following best practices.

Connect users: While capturing MAC addresses has minimal impact on battery life, leaving Idle Heartbeats enabled reduces Scout's battery life by about 4% for every 24 hours that Scout sits idle. If you are deploying Scout for a study whose recording time approaches the limit of Scout's battery life, and the deployment includes idle time, consider deploying Scout with a PowerPack to make sure that the study completes successfully.

Standby Time: 60 days

The VCU operates in Standby mode when it is not recording. Over time, standby mode impacts overall recording times and battery power levels. The Power Pack does not operate in a standby state, however, there will still be some voltage loss over time.

When you store the VCU or Power Pack for an extended time, charge the batteries at least every 30 days to make sure that the batteries retain a charge reference.

CHARGING AND MAINTAINING SCOUT BATTERIES

The VCU and Power Pack use Sealed Lead Acid batteries. Follow these recommendations to prevent damage to your batteries and extend their lifespan.

Charging Best Practices

- Allow the Scout VCU to cool down after recording in hot temperatures (above 30°C/86°F). Charging already-hot batteries reduces their lifespan.
- Charge the Scout VCU as soon as possible after a deployment.
- Dismount the Scout VCU from its deployed position to charge. Do not charge batteries upside down.
- Remove the Scout VCU from the charger within 24 hours after the LED turns green.
- Fully charge the Scout VCU every 30 days when it is not in use.
- Run the Capacity Test before each count season, or a minimum of twice per year.
- Keep the VCU door open during charging.

Charging Behavior

- The charger operates in three modes: Constant Current, Constant Voltage and Trickle Charge.
- In Constant Current mode, the charger rapidly recharges the batteries to about 80% full.
- In Constant Voltage mode, the charger slowly charges the batteries to nearly full charge.
- In Trickle Charge mode, the charger tops up the batteries to full charge.
- The charger LED turns Green in Trickle Charge mode*.
- The charger and Scout VCU become warm during charging; this is expected behavior**.

*When the charger LED first turns Green, the batteries are not charged to their full capacity. Leave the charger plugged in for another 12-24 hours to complete Trickle Charge mode and allow the batteries to equalize.

**If the charger or Scout VCU are hot to the touch (you cannot leave your hand on them for more than 1 second), unplug them immediately.

BATTERY CHARGER WARNINGS

Under certain conditions, the Scout displays a **Charge Temperature** or **Long Charge** warning. If this occurs, run a Capacity Test, then download log files from Scout and send them to Customer Support for analysis.

Charge Temperature Warning

Scout displays a warning message if it detects elevated temperatures ($> 30^{\circ}\text{C}$ / 86°F) during charging. Charging in elevated temperatures can reduce the lifespan of your batteries or lead to equipment damage, including bulged or ruptured batteries. If you receive this warning, run a **Capacity Test** to determine whether battery performance has been affected.

To maximize battery life and protect your equipment:

- Allow sufficient time for the batteries to cool after recording in elevated temperatures.
- Do not charge the batteries in elevated temperatures.



WARNING

Last charge exhibited elevated temperatures!

Elevated temperatures during charging may result in battery wear and equipment damage. You may want to inspect unit for damage and run capacity test to make sure battery performance was not affected.



Please refer to
<http://help.miovision.com> for
detailed 'Charge Temperature
Warning' information.

Download Logs ►

Temperature

Dismiss ►

Long Charge Warning

Scout alerts you if a charge cycle takes longer than expected. This means that the charger was either in:

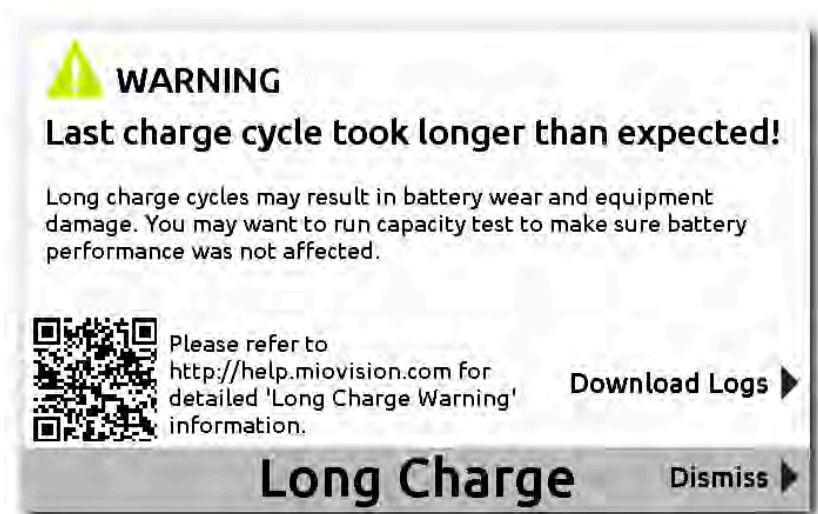
- Constant Current mode for more than 9 hours OR
- Constant Voltage mode for more than 12 hours

This can indicate that the batteries are damaged or that there is another abnormality. Long charge cycles can also cause the batteries to overheat, which could lead to bulging.

If you receive the long charge warning, run a **Capacity Test**. To determine the cause of the long charge cycle, download Scout logs and then send them to Customer Support for investigation. If you ignore this warning, battery behavior could become inconsistent and battery performance could degrade.

Download Scout logs

1. Insert an SD card with at least 100MB of free space into Slot A.
2. Press **Settings > Diagnostics > Download Logs**.
3. Log files are saved in the root folder of the SD card.



BATTERY CAPACITY TEST

The capacity test lets Scout recalibrate battery capacity to provide a more accurate estimate of recording duration. Because battery capacity is affected by usage behavior, charging patterns and temperature changes, you should run the capacity test before each count season (Fall / Spring), or a minimum of twice per year.

1. Fully charge Scout.
2. Disconnect Scout from the charger.
3. Press **Hardware > Battery Check > Advanced > Run Capacity Test**.

The test takes up to 48 hours to complete, depending on the health of your batteries. During this time, the Scout screen indicates that the test is running and displays a progress bar.

After the test completes, Scout displays a colored indicator next to the battery icon. The color indicates an estimate of the number of hours of regular recording that the batteries can support:

- Green: > 48 hours
- Yellow: between 24 and 48 hours
- Red: < 24 hours

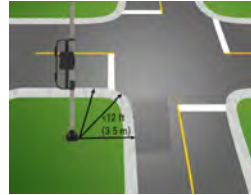
HARDWARE SETUP INSTRUCTIONS

SCOUT DEPLOYMENT GUIDELINES

You can request a free deployment plan by emailing your study details to Customer Support.

Distance from Roadway

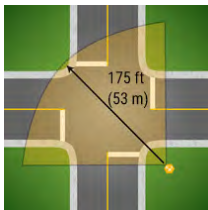
- The VCU should always be within 4 m (12 ft) of the side of the roadway or intersection being recorded.
- Avoid deploying to a location with obstacles lower than 6 m (20 ft) overhead.
- Make sure that the view of the intersection is not obstructed by objects such as trees.



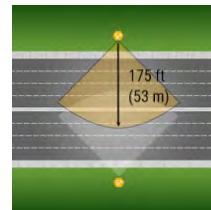
Viewing Distance of Camera

- For turning movement counts, a maximum of 6 lanes per approach within 53 m (175 ft) of the VCU can be accurately processed.
- For ATRs, a maximum of 4 lanes (lane separation) or 6 lanes (volume only) within 53 m (175 ft) of the VCU can be accurately processed.
- For pedestrian and bicycle studies, pedestrian and bicycle movements can be accurately processed within 38 m (125') of the VCU.
- Deploy additional cameras to capture movements or lanes outside of this range.

Large Intersection



8-Lane Highway



Mast Height and Viewing Angle

- To make sure that the video captures the entire study area, fully extend the mast to its maximum height.
- Preview the live video by using the Camera Check feature. This allows you to confirm that each vehicle movement is within the Scout's field of view. If you need to deploy multiple cameras to cover all approaches, be aware that Miovision's video counting software cannot track an individual vehicle between recordings from different VCUs.

Glare from Sun/Streetlamps

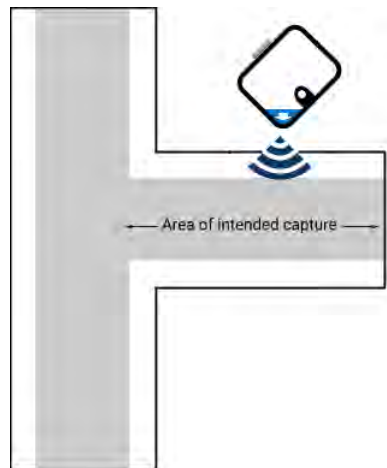
- Avoid placing the VCU where the camera will focus directly on a streetlight - glare can obstruct views.
- Whenever possible, do not place the camera facing directly towards the horizon during sunrise or sunset.
- A North/South viewing axis is recommended.

Travel time data capture

To extract the best travel time data after recording, deploy Scout with Connect units a minimum of 300 feet (90 m) apart. However, if an intersection is larger than 80 feet (24 m) across and you require full coverage of the intersection, use additional Scout with Connect units to capture MAC addresses from the full area.

Scout with Connect captures MAC address signatures from the entire radius of the Scout, but optimal capture occurs when the Connect antenna is positioned to directly face the area of intended capture. The Connect antenna is located at the top left of the Connect.

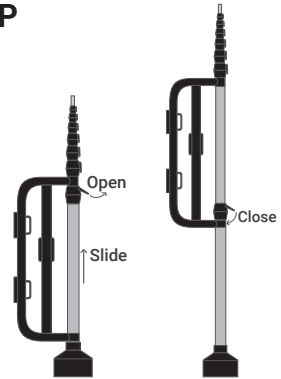
To orient the antenna correctly, point the corner of the Scout nearest the hinge at the center of the area of intended capture, as shown in this diagram.



ON LOCATION - SCOUT HARDWARE SET-UP

1. Choose a deployment site that follows the Scout Deployment Guidelines.
2. Attach the Pole Mount to a pole. If your deployment location requires a tripod, follow the instructions at help.miovision.com/tripod.

- Extend the bottom section of the mast so that the bracket is at shoulder height when the Pole Mount is resting on the ground (this step is not required if deploying off of the ground).
- Securely fasten the clamp to make sure that the mast section remains extended.
- Hold the Pole Mount against the pole so that the rubber bumpers are against the pole.
- Starting from the top, run both ratchet straps through the bracket and around the pole and securely fasten.

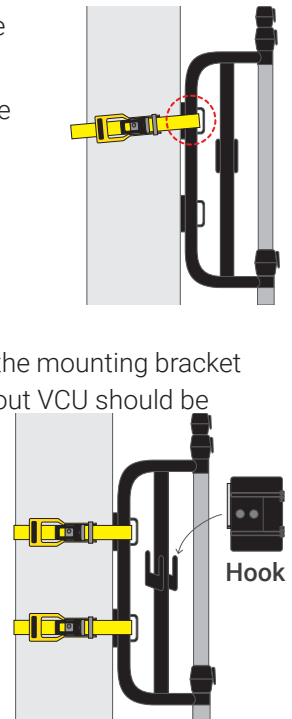


3. Mount the Scout VCU to the Pole Mount bracket.

- Line up the sleeve on the back of the VCU with the mounting bracket arms on the Pole Mount. Connectors on the Scout VCU should be facing away from the mast/towards the pole.
- If your recording requires a Power Pack, mount it on the opposite bracket.

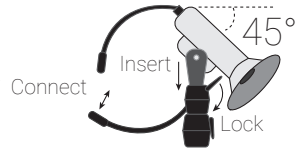
4. Connect the cables to the Scout VCU.

- Line up the pins and plug the video cable into the Video In connector on the Scout VCU.
- If your recording requires a Power Pack, plug the Power Pack cable into the Charger/Power Pack connector.
- Hand-tighten the fastening ring on both connectors.
- Do not over-tighten the fastening rings, or use a tool to tighten them - this can damage the connectors or cables.



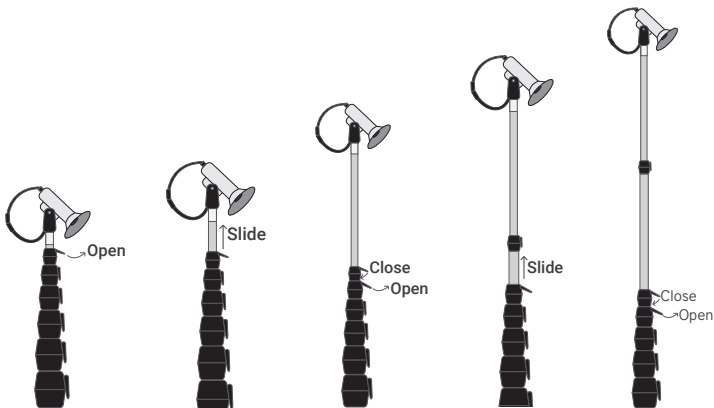
5. Attach the Camera to the Pole Mount.

- Insert the Camera Mount into the top of the Pole Mount.
- Move the thumb lever to its locked position.
- Connect the camera cable to the Pole Mount cable.



6. Extend the Mast.

- Loosen the topmost clamp by opening the lever.
- Extend the top section of the Mast as far as it will go. Be careful not to over-extend.
- Tighten the clamp by closing the lever.
- Test turning the mast section by hand - it should not move.
- If necessary, tighten the clamp further by turning the fastening nut counter-clockwise.
- Move down the mast, repeating these steps for each section in turn. Use a Torx security driver to loosen and tighten the last 2 sections.

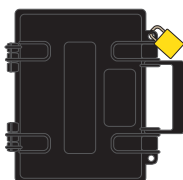


7. Verify the Hardware Setup.

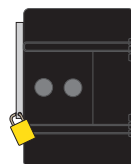
- Power on the Scout VCU by pressing the yellow button.
- Any scheduled studies appear under Upcoming Studies on the left side of the screen.
- From the **Hardware** Screen, perform the following checks:
 - **Battery Check:** Displays battery capacity for the internal and Power Pack batteries (if connected). A warning is displayed if there is not enough battery power for scheduled studies.
 - **Camera Check:** Shows a live view of the camera. Make any necessary adjustments to the viewing angle or direction of the camera to make sure that the full study location is in view.
 - **Storage Check:** Perform this check to make sure that there is enough SD Card storage capacity for upcoming studies. Press **Format** to erase any existing video or data from the SD card(s).
- If no studies have been scheduled, go to the **Schedule** screen to schedule a new study or press **Record Now** to begin recording immediately.
- Close the Scout VCU lid. If a recording does not start within 10 minutes, Scout goes into Standby mode. You can put Scout into Standby mode immediately by pressing the Power Button and then pressing **Sleep**.

8. Secure the Scout Pole Mount System.

Lock Control Box door



Lock sleeve to Pole-Mount bracket



- Use two of the provided padlocks to secure the Scout VCU door and the Pole Mount bracket.
- Use the remaining two provided padlocks to secure the ratchet straps.
- Additional security can be provided by using a third padlock and a chain (not included).

SCOUT HARDWARE TAKE-DOWN

1. Unlock the Control Box and stop the recording.
 - If a recording is in progress, press the **Stop** button to end the recording.
 - Check the **Past Recordings** screen to review the recorded video.
2. Retract the Mast.
 - While holding the mast, loosen the bottom clamp and slowly guide the mast down.
 - Tighten each section before loosening and retracting the next section.
3. Remove the camera from the mast.
 - Disconnect the camera from the mast cable.
 - Cover the lens with the lens cap.
 - Unscrew the camera from the top of the mast.
4. Remove the Scout VCU and the Power Pack from the bracket
 - Unscrew all cables from the Scout VCU and the Power Pack.
 - To prevent damage, replace the caps on the connectors.
 - Remove the locks from the bracket sleeve.
 - Lift the Scout VCU (and the Power Pack, if deployed) off of the Pole Mount bracket.
5. Remove the ratchet straps.
 - Unlock both ratchet straps.
 - To loosen a strap, pull the middle lever fully towards the handle. This releases the ratchet mechanism and allows the handle to be extended.
 - To loosen the strap, continue to hold the lever in place while pulling the ratchet away from the pole.
 - Be sure to hold the Pole Mount securely to the pole while loosening straps to avoid having the Pole Mount fall into traffic.
6. Collapse the Pole Mount and remove from the pole.
 - Loosen the lever beneath the bracket and lower the bottom mast section so that the Pole Mount is fully retracted.
 - After the Pole Mount is retracted, close the lever to secure the clamp.

UPLOAD VIDEO TO MIOVISION

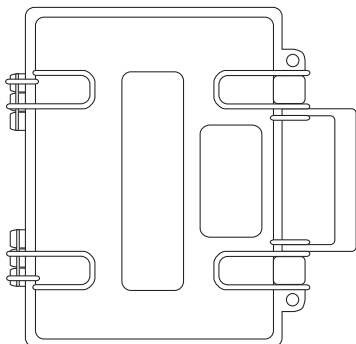
Log in to <http://www.trafficdataonline.com> to process recorded video into traffic data with up to 95% accuracy. If you do not have a [trafficdataonline.com](http://www.trafficdataonline.com) (TDO) account, contact support@miovision.com.



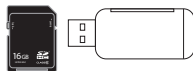
Scout Bedienungsanleitung

LIEFERUMFANG

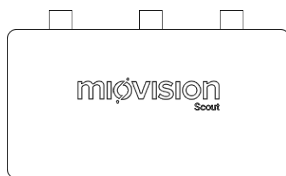
Scout Kontrolleinheit (VCU) (x1)



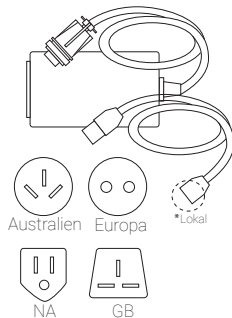
USB SD Kartenlesegerät (x1) & SD Karte (x1)



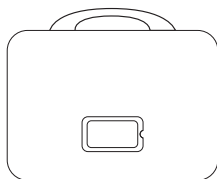
Scout Connect



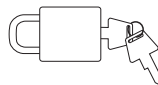
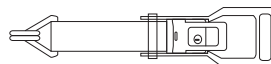
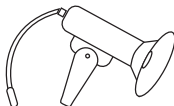
Ladegerät und Stromkabel (lokal) (x1)



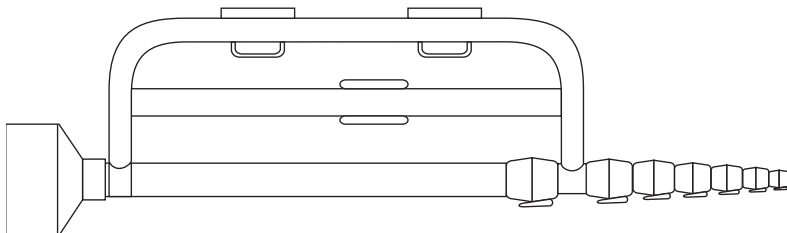
Zubehörkoffer mit folgendem Inhalt



Kamera und Hülle mit Aufsteckaufsatz (x1) • Spanngurt (x2)
Torx-Schlüssel (x1) • Sicherheitsschloss und Schlüssel (x4)



Teleskopmast (x1)



KUNDENDIENST

Deutschland	0049 221 261 03451
Europa	0800 855 880 9115
Frankreich	0800 916724
Großbritannien	0800 0314065
Nordamerika	+1 855 360 7752
E-Mail	support@miovision.com

EINSATZPARAMETER

Einsatzhöhe	~6 m plus Montagehöhe
Betriebstemperatur	- 40° C bis 60° C (-40°F – 140°F)
Windgeschwindigkeiten	80 km/h (~ 50 mph)
Tag/Nacht Betrieb	Die Kamera ist einsatzfähig bei 0,03 lux. Nutzbar für 24 Stunden-Studien
Bildwinkel	90° horizontal und vertikal
Max. Batterielaufzeit	72 Stunden dauerhafter Einsatz
Batterieladezeit	~24 Stunden
Akzeptierte Datenspeicher	SD Speicherkarten (inkl. SDHC)

MAX. AUFNAHMEZEIT

Kartengröße	Max. Aufnahmezeit
2 GB	11 Stunden
4 GB	22 Stunden
8 GB	45 Stunden
16 GB	90 Stunden
32 GB	182 Stunden
2 x 32 GB	364 Stunden

INSTALLATION UND REGISTRIERUNG DES SCOUT CONNECT

1. Zum Einschalten des Scouts öffnen Sie die Verschlussklappe und drücken Sie bitte den gelben Knopf.
2. Überlappen Sie die 3 USB Steckverbindungen des Connects mit den 3 USB Ports des Scouts, um das Connect mit dem Scout zu verbinden.
3. Um das Connect mit Strom im Scout zu versorgen, drücken Sie bitte **Einstellungen** und drücken Sie dann **USB**.
4. Nachdem der Scout das Connect erkennt, erscheint das Connected Symbol und ein Registrierungscode auf dem Bildschirm.
5. Nach erscheinen des Codes, gehen Sie auf datalink.miovision/get-connected, loggen Sie sich ein, klicken Sie auf **Registrieren Sie Ihr Connect** und geben Sie den Code ein.
6. Auf dem Scout **Weiter** drücken.

Nach dem Sie Ihren ersten Connect registriert haben, können Sie weitere Connects hinzufügen. Gehen Sie dazu auf den auf den Reiter Geräte, klicken Sie auf **Neues Connect registrieren** und geben Sie den Registrierungscode ein.

Aktualisierung der Zeitzoneneinstellung beim Scout ohne Connect

Ein Scout mit Connect aktualisiert die Zeitzone und die Systemzeit automatisch. Kunden mit Scouts ohne Connect müssen die Zeitzone für DST manuell einstellen.

Manuelle Einstellung der Zeitzone am Scout:

1. Am **Scout**, auf **Einstellungen** gehen.
2. Drücken Sie Datum & Zeit.
3. Drücken Sie **Zeitzone**.
4. Wählen Sie **Europa** aus.
5. Wählen Sie Ihre entsprechende Region aus.

SCOUT SICHERHEITSHINWEISE

Folgen Sie den nachstehenden Sicherheitshinweisen, um die Scout-Einheit sicher einzusetzen.

Sicherheit

- Sichern Sie die Feststellklemmen des Mastes. Die Segmente sollten sich nicht drehen lassen können, nachdem sie festgestellt wurden.
- Ziehen Sie die Systemkomponenten fest und schließen Sie diese so ab, wie es in der Aufbauanleitung beschrieben wird.
- Sie können die Scout-Einheit mit einigem Abstand vom Boden platzieren, um ungewollte Manipulationen zu verhindern.
- Für mehr (optionalen) Diebstahlschutz können Sie die Scout-Einheit mit einer weiteren Kette und einem Schloss sichern (nicht im Lieferumfang enthalten).
- Stellen Sie sicher, dass sich keine Stromleitungen oder andere Gegenstände im Bereich über der Scout-Einheit befinden.
- Stellen Sie sicher, dass der Mast sicher an einem Objekt festgezurrst ist, bevor Sie ihn vollständig ausfahren.
- Bauen Sie die Scout-Einheit niemals bei Gewitter auf oder wenn ein Gewitter vorhergesagt wird.
- Die Scout-Einheit ist wasserdicht, sobald die Tür geschlossen ist. Sollte die Tür bei Niederschlag geöffnet werden, könnte dies zu Wasserschäden an der Elektronik führen.
- Bauen Sie die Scout-Einheit nicht auseinander, es sei denn Sie werden ausdrücklich von einem Kundendienstmitarbeiter dazu angewiesen.

BATTERIESPEZIFIKATIONEN

Verschlossene Bleiakkus können durch Umgebungstemperaturen, Aufladerythmen und Nutzungsverhalten beeinflusst werden.

Scout VCU: 12V, 14Ah Bleiakku

Power Pack: 12V, 9Ah Bleiakku

Sollten Sie neue Batterien kaufen wollen, empfiehlt Miovision die oben genannten PowerSonic Batterien. Können Sie diese nicht beziehen, haben Sie die Möglichkeit auch andere Batterien mit den gleichen Spezifikationen zu verwenden.

Miovision kann nicht garantieren, dass Batterien von anderen Herstellern wie PowerSonic die gleiche Leistung erbringen.

Aufnahmezeiten

Scout VCU: 72 Stunden (3 Tage)

Scout VCU + Power Pack: 168 Stunden (7 Tage)

Die Angabe der maximalen Aufnahmedauer bezieht sich auf eine einzelne, ununterbrochene Aufnahme mit voll aufgeladenen Batterien und optimaler Umgebungstemperatur.

Standby Dauer: 60 Tage

Außerhalb der Aufnahmen wird sich die Scout-Einheit im Standby Modus befinden, was die Gesamt-Aufnahmedauer und den Batteriestand verringern kann. Das Power Pack hat keinen Standby Modus und wird Spannung verlieren, auch wenn es nicht benutzt wird.

Zur Vermeidung von Kapazitätsverlusten bei längerem Lagern, sollte dafür gesorgt werden, dass die Batterien mindestens alle 30 Tage wieder aufgeladen werden.

DIE BATTERIEN DER SCOUT EINHEIT WARTEN UND LADEN

Die VCU und das Power Pack verwenden Bleiakkus. Um die Batterielebenszeit zu verlängern und Schäden vorzubeugen, folgen Sie bitte folgenden Schritten.

Aufladungen optimal durchführen

- Nach Aufnahmen in warmen Temperaturen (über 30°C) sollten Sie die Scout-Einheit einige Zeit abkühlen lassen. Bereits erhitzte Batterien zu laden, verkürzt deren Lebensdauer.
- Laden Sie den Scout so bald wie möglich nach der Nutzung auf.
- Entfernen Sie den Scout vom Teleskopmast und laden Sie die Batterien nur in aufrechter Position.
- Nach dem die LED Anzeige Grün aufleuchtet, entkoppeln Sie die Scout VCU innerhalb von 24 Std. vom Ladegerät
- Laden Sie die Scout-Einheit mindestens alle 30 Tage auf, um einen dauerhaften und zuverlässigen Batteriestand zu gewährleisten.
- Führen Sie den **Batterietest** vor jeder Zählseason durch oder mindestens zwei mal jährlich.
- Bitte lassen Sie die VCU Verschlussklappe offen.

Ladeverhalten

- Das Ladegerät funktioniert in drei unterschiedlichen Modi: **Konstantstrom, Konstantspannung und Erhaltungsladung**.
- Im **Konstantstrom-Modus** werden die Batterien schnell auf etwa 80% Ladung gebracht.
- Im **Konstantspannungs-Modus** werden dann die Batterien langsamer bis zu fast voller Kapazität geladen.
- Während der **Erhaltungsladungsphase** wird die Batterie schließlich vollständig geladen.
- Die LEDs auf dem Ladegerät leuchten **grün**, sobald das Gerät in die Konstantspannungsphase eintritt.*
- Das Ladegerät und die Scout Einheit können während des Ladevorganges warm werden. Dies ist ein zu erwartendes Verhalten.**

* Wenn die Ladeanzeige auf grün umspringt sind die Batterien noch nicht vollständig geladen und sollten weitere 12-24 Stunden angeschlossen bleiben, um die Erhaltungsladephase zu beenden.

** Sollte das Ladegerät oder die Scout Einheit bei der Ladung sehr heiß werden, (zu heiß um die Hand eine Sekunde darauf zu halten), trennen Sie sofort die Verbindung zum Stromnetz.

WARNMELDUNGEN

Unter bestimmten Voraussetzungen wird der Scout Warnmeldungen anzeigen: **Lade-Temperatur** oder **Ladevorgang**. Sollte dies passieren, führen Sie einen **Batterietest** durch. Laden Sie die **Logdateien** herunter und senden Sie diese an den Kundensupport zur Analyse.

Lade-Temperaturwarnung

Der Scout wird während des Ladens eine Warnmeldung anzeigen, sollte die Umgebungstemperatur über 30°C liegen. Ladungen bei erhöhten Temperaturen können die Lebensdauer der Batterien negativ beeinflussen oder zu Schäden, wie zum Beispiel Bauchungen oder Risse an den Batterien, führen. Sollten Sie diese Warnung erhalten, starten Sie einen **Kapazitätstest**, um sicherzustellen, dass die Batteriebensdauer nicht eingeschränkt wird.

Um die Lebensdauer der Batterien zu maximieren und Ihre Ausrüstung zu schützen:

- Erlauben Sie den Batterien einige Zeit nach Aufnahmen in direktem Sonnenlicht warmen Temperaturen abzukühlen.
- Laden Sie Batterie nicht bei einer erhöhten Umgebungstemperatur.

SCU000 - 14.3.0.99999

 07.11.2014
PP  3:10

 **WARNUNG**

Erhöhte Temperaturen bei der letzten Ladung!

Erhöhte Temperaturen während des Ladevorgangs können zu Batterieverschleiß und Schäden führen. Sie sollten Ihre Einheit auf Schäden überprüfen und den Batterietest durchführen, um sicherzustellen, dass die Akku-Leistung nicht betroffen ist.



Bitte sehen Sie
<http://help.miovision.com> für
detaillierte 'Lade-Temperatur'
Informationen.

Logs
herunterladen ▶

Temperatur Verwerfen ▶

LADEVORGANG

Eine Warnung erscheint, wenn ein Ladezyklus zu lange andauert. Dies bedeutet, dass das Ladegerät sich in einem dieser Modi befand:

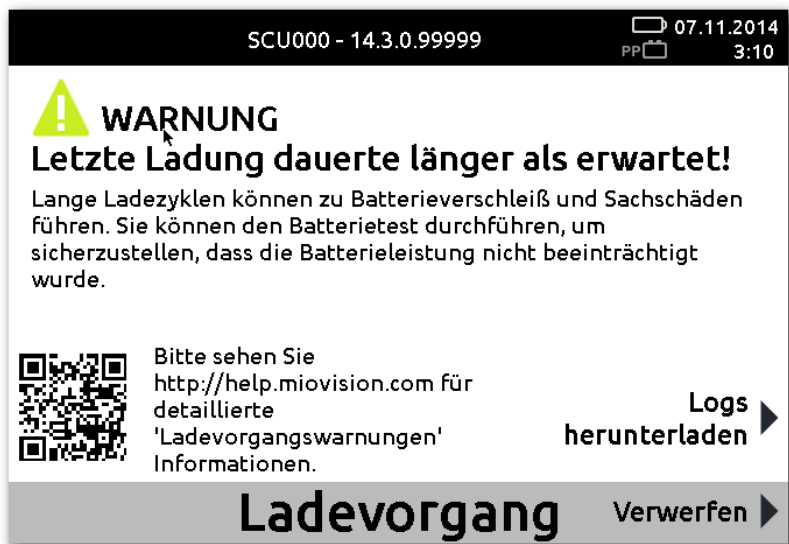
- Konstantstrommodus für mehr als 9 Stunden ODER
- Konstantspannungsmodus für mehr als 12 Stunden

Dies kann darauf hindeuten, dass die Batterien beschädigt sind. Lange Ladzyklen können außerdem die Batterien überhitzen und zu Ausbeulungen führen.

Sollten Sie diese Warnung erhalten, führen Sie zunächst einen **Batterietest** durch. Um die Ursache für die zu lange Ladung herauszufinden, laden Sie die **Scout-Logdateien** herunter und senden Sie diese an den Kundendienst zur Analyse. Wenn die Warnung ignoriert wird, kann sich das Batterieverhalten negativ ändern und die Leistung abnehmen.

Scout Logdateien herunterladen

1. Bitte eine SD Karte mit mindestens 100MB freiem Speicher in den Slot A einstecken.
2. Drücken Sie **Einstellungen > Diagnose > Logs herunterladen**.
3. Logdateien werden im Stammverzeichnis der SD Karte gespeichert.



BATTERIETEST

Der Batterietest rekaliert die Scout Batteriekapazität und stellt sicher das die Schätzungen zum Batteriezustand akkurat sind. Der Batteriekapazitätstest wird von dem Nutzungsverhalten, Ladezyklen und Temperaturen beeinflusst, Deshalb schlagen wir vor diesen Test vor jeder Zählseason (Frühjahr/Herbst) oder zumindest zwei mal im Jahr durchzuführen.

1. Den Scout vollständig aufladen.
2. Den Scout vom Ladegerät abstecken.
3. Drücken Sie auf **Hardware > Batterieprüfung > Erweitert > Batterietest**.

Der Test wird etwa 48 Stunden beanspruchen. Während dieser Zeit wird der Scout Bildschirm anzeigen, dass ein Test läuft und wie weit dieser fortgeschritten ist.

Nach dem der Test beendet wurde, zeigt Scout einen farbigen Indikator neben dem Batteriesymbol an. Die Farbe gibt Auskunft über die noch zur Verfügung stehende Batteriekapazität bei normaler Aufnahme:

- **Grün:** > 48 Stunden
- **Gelb:** zwischen 24 bis 48 Stunden
- **Rot:** < 24 Stunden

HARDWARE: EINSATZ UND AUFNAHME

RICHTLINIEN ZUR SCOUT POSITIONIERUNG

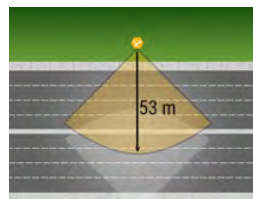
Mit einer E-Mail an unseren Kundendienst hilft dieser Ihnen gerne bei der richtigen Positionierung des Scout, um eine bestmögliche Auswertung zu ermöglichen.



Abstand zur Straße

- Die Scout Einheit sollte sich immer innerhalb von 4 Metern zum Rand der Straße oder der Kreuzung befinden, die aufgenommen werden soll.
- Vermeiden Sie es den Scout unter Hindernissen aufzustellen die niedriger als 6 Meter hängen.
- Versichern Sie sich, dass der Blick auf die Kreuzung nicht durch Hindernisse wie zum Beispiel Bäume versperrt ist.

Erkennungsweite der Kamera



- Knotenpunktzählungen können mit 6 Spuren pro Annäherung innerhalb des 53 m Radius der VCU ausgewertet werden.
- Bei der Durchführung einer Querschnittszählung können maximal 4 Fahrspuren (mit Fahrspurdifferenzierung) oder 6 Spuren (nur Gesamtvolumina) innerhalb der 53 Meter ausgewertet werden.
- Bei Fußgänger und Fahrradstudien können Bewegungen innerhalb von 38 m ausgewertet werden.
- Erfassungen von Bewegungen und Fahrspuren ausserhalb der 53 Meter benötigen zusätzliche Kameras.

Masthöhe und Bildwinkel

- Der Mast muss auf die Maximalhöhe von 6 Metern (20 Fuß) ausgefahren werden, um die vollständige Erfassung des Studiengebietes zu garantieren.
- Mit dem Kameraprüfung Feature am Scout können Sie überprüfen ob alle Bewegungen im Blinkwinkel des Scouts sind. Sollten Sie mehrere Kameras nutzen, um alle Bewegungen an der Kreuzung zu erfassen, beachten Sie bitte das Miovision's Software keine Fahrzeuge von einer zu anderen Kamera verfolgen kann.

Blendlicht von Sonne und Straßenlampen

Vermeiden Sie es, die VCU so zu platzieren, dass die Kamera auf eine Strassenlampe fokussiert ist. Deren Licht könnte die Erfassung behindern.

- Soweit möglich, vermeiden Sie es die Kamera direkt auf den Horizont auszurichten, um Sonnenauf- und Untergangsstrahlung zu umgehen.
- Eine Nord/Süd Ausrichtung ist empfehlenswert.

Reisezeit Daten erfassen

Um Reisezeit Daten nach einer Aufnahme zu extrahieren, stellen Sie Scouts mit Connect mindestens 90 m von einander entfernt auf. Bei Knotenpunkten die breiter als 24 m sind, nur einen Scout aufstellen. Erfassen Sie die MAC Adressen im gesamten

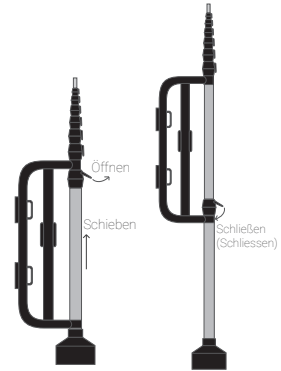
Scout mit Connect erfassen Sie die Reisezeit Daten. Zur Optimierung der Erfassung der Reisezeit Daten befindet sich auf dem Connect befindet sich ein Schalter. Zur richtigen Ausrichtung der Kamera ist die Kamera zur Verschlusshalterung zu halten. Der Bereich aus. angezeigt, ist der Beabsichtigte Erfassungsbereich.



AUFBAU

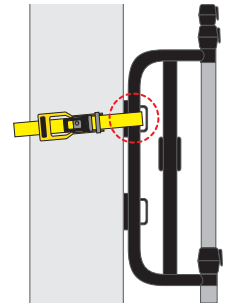
1. Wählen Sie ein Installationsstandort aus, der unseren Empfehlungen entspricht.
2. Den Teleskopmast an einem Objekt anbringen. Sollten Sie einen Tripod nutzen, nutzen Sie bitte die Aufbauanleitung auf help.miovision.com/tripod.

- Ziehen Sie das unterste Segment des Mastes auf Schulterhöhe heraus, bevor Sie den Mast z.B. an einer Straßenlaterne anbringen.
- Stellen Sie sicher, dass Sie den Haltebügel festgestellt haben, damit der Mast nicht unerwartet zusammenfährt.
- Halten Sie den Mast an die Straßenmöblierung, so dass die Gummierung an deren Mast stößt.
- Ziehen Sie beide Gurte durch die Ösen und zurren Sie diese an dem Objekt fest.



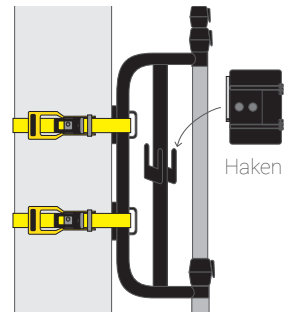
3. Die Scout-Einheit an den Teleskopmast anbringen.

- Verbinden Sie die Manschette auf der Rückseite der VCU mit dem Haken des Mastes. Die Verbindungen der Scout VCU sollten von dem Mast weg- und zu der Stange hindeuten.
- Ein Power Pack kann auf der gegenüberliegenden Seite angebracht werden, um längere Aufnahmezeiten zu ermöglichen.

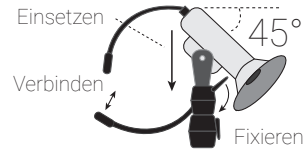


4. Verkabelung der Scout-Einheit.

- Verbinden Sie das Videokabel mit dem Video- In Stecker der Scout-Einheit.
- Bei Bedarf stecken Sie das Power Pack Verbindungskabel in den Power Pack Stecker der Scout-Einheit.
- Ziehen Sie die Schraubverbindungen mit der Hand fest.



- Vermeiden Sie zu viel Spannung oder die Nutzung von Werkzeugen – dies könnte Schäden an Verbindungen oder den Kabeln zur Folge haben.



5. Die Kamera mit dem Mast verbinden.

- Setzen Sie die Kamera oben im Mast ein.
- Schließen Sie den Hebel, um die Kamera zu fixieren.
- Verbinden Sie die Kamera mit dem Videokabel des Mastes.

6. Den Mast ausfahren.

- Lösen Sie die oberste Feststellklemme in dem Sie den Hebel lösen
- Fahren Sie das oberste Mastsegment bis zum Ende aus. Passen Sie dabei auf Sie das Segment nicht durch Gewalt über den eigentlichen Endpunkt hinaus ausfahren
- Schliessen Sie die Feststellklemme
- Testen Sie ob sich das Segment noch drehen lässt – dies sollte es nicht tun
- Sollte sich das Segment noch per Hand drehen lassen, drehen Sie die



Feststellklemme gegen den Uhrzeigersinn weiter fest

- Gehen Sie nun Segment für Segment wie beschrieben weiter. Nutzen Sie den mitgelieferten Torx Schraubendreher zur Befestigung der letzten beiden Segmente.

7. Überprüfen Sie die Scout VCU.

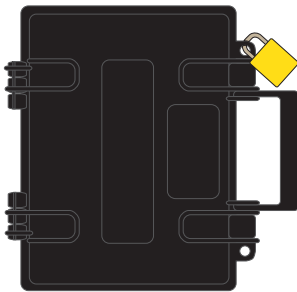
- Schalten Sie die Kontrolleinheit des Scouts mit dem Gelben Knopf am

Bedienelement ein.

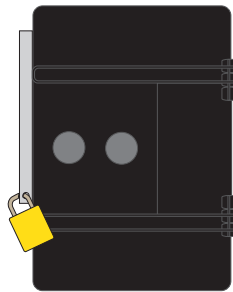
- Schon programmierte Studien erscheinen auf dem linken Teil des Bildschirms
- Vom Startbildschirm aus, führen Sie folgende Checks durch:
- Batterietest: Anzeige der internen und externen (sofern Power Pack angeschlossen) Batteriekapazität. Es wird Ihnen eine Warnmeldung angezeigt, sofern nicht genügend Ladung zur Durchführung der anstehenden Aufnahmen vorhanden ist.
- Kameraprüfung: Dies ist ein Live Bild, welches Sie zur Überprüfung nutzen können.
- Speichertest: Führen Sie diesen Test durch, um sicher zu gehen, dass genügend Speicher für die anstehenden Aufnahmen zur Verfügung steht. Drücken Sie formatieren, um bestehende Aufnahmen auf der SD Karte zu löschen.
- Sollten keine Aufnahmen vorprogrammiert, gehen auf den Aufnahme Bildschirm vom Startbildschirm aus. Wählen Sie Aufnahmen programmieren aus oder wählen Sie Sofort Aufnehmen aus.
- Schließen Sie den Verschlussdeckel. Sollte keine Aufnahme innerhalb der nächsten 10 Minuten beginnen, geht der Scout in den Standby Modus. Sie können den Scout auch sofort in den Standby Modus bringen, durch Drücken des gelben Power Knopfes und der Auswahl Sleep.

8. Sichern Sie die Kontrolleinheit und den Teleskopmast

- Verwenden Sie die mitgelieferten Schlösser, um die Klappe der Scout-Einheit und die Verbindung zum Teleskopmast abzuschließen.
- Nutzen Sie die beiliegenden Schlüssel, um die Spanngurtratschen abzuschließen.
- Sie können die Sicherheit erhöhen, indem Sie eine Kette und ein Schloss (nicht mitgeliefert) verwenden.



Schließen Sie die
Kontrolleinheit ab



Schließen Sie die Kontrolleinheit an
die Klammer des Teleskopmastes

ABBAU

1. Schließen Sie die Scout-Einheit auf und halten Sie die Aufnahme an.
 - Stellen Sie immer sicher, dass keine Aufnahme läuft bevor Sie die Kabel oder die SD-Karte entfernen.
 - Sollte eine Aufnahme laufen, können Sie diese durch Drücken der Stoptaste im Live Recording Bildschirm anhalten.
2. Den Mast einfahren.
 - Halten Sie den Mast fest und lösen die unterste Feststellklemme.
 - Befestigen Sie jedes Segment, bevor Sie das Nächste einfahren.
3. Die Kamera vom Mast entfernen.
 - Trennen Sie die Kamera vom Verbindungskabel.
 - Bringen Sie die Schutzkappe auf der Kameralinse an, um diese vor Schäden zu schützen.
 - Schrauben Sie die Kamera von der Mastspitze ab.
4. Die Kontrolleinheit vom Mast entfernen.
 - Lösen Sie die Kabel von der Scout-Einheit (und dem Power Pack).
 - Arretieren Sie Verschlusskappen auf den Anschlüssen
 - Entfernen Sie die Schlösser.
 - Heben Sie die Scout-Einheit (oder das Power Pack) vorsichtig aus dem Rahmen und platzieren es in der Transportbox.
5. Die Spanngurte entfernen.
 - Schließen Sie die Gurtratschen auf.
 - Um den Gurt zu lösen ziehen Sie den mittleren Hebel ganz zum Griff.
 - Vergewissern Sie sich, dass Sie den Teleskopmast festhalten, damit dieser nicht in den vorbeifahrenden Verkehr fällt.
6. Fahren Sie den unteren Mast ein.
 - Lösen Sie die untere Feststellklemme und fahren Sie das untere Segment ein, bis der Teleskopmast vollständig eingefahren ist.
 - Fixieren Sie den Hebel, um die Segmente zu sichern.

HOCHLADEN DER VIDEOS ZU MIOVISION

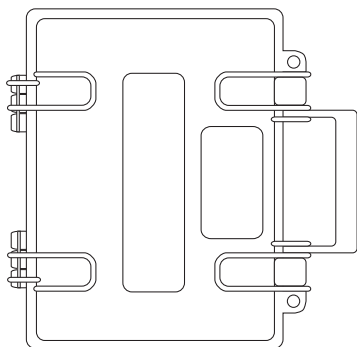
Loggen Sie sich bei www.trafficdataonline.com ein, um Ihr Video mit 95 prozentiger Genauigkeit auswerten zu lassen. Sollten Sie kein Trafficdataonline.com (TDO) Konto besitzen, wenden Sie sich an den Kundendienst support@miovision.com.



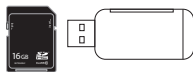
Miovision Scout Mode d'Emploi

CONTENU DU COLIS

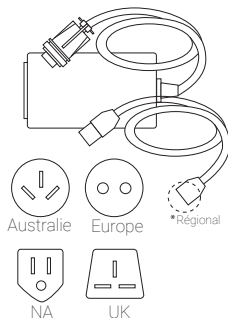
Boîtier de contrôle Scout (x1)



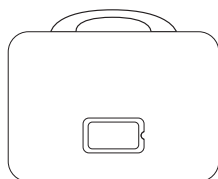
Carte SD (x1) &
lecteur USB de carte SD
(x1)



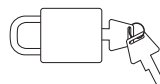
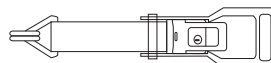
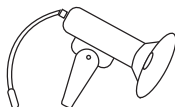
Chargeur universel &
cordon pour le chargeur
(régional) (x1)



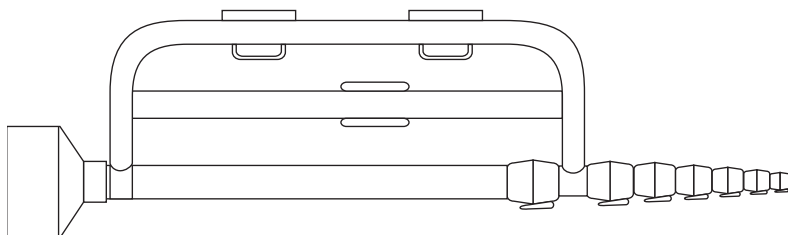
Mallette d'accessoires
comprenant (x1):



Caméra avec protection et embout de fixation sur le mât (x1)
Tournevis (x1) • Sangles à cliquet (x4) • Cadenas avec clés
(x2)



Mât télescopique (x1)



ASSISTANCE TÉLÉPHONIQUE GRATUITE

Amérique du Nord	1 855 360 7752
France	0800 916724
Allemagne	+49 221 261 03451
Royaume-Uni	0800 0314065
Europe	0800 855 880 9115
Email	support@miovision.com

INFORMATIONS

Hauteur du mât déployé	6m (~20 pieds) + la hauteur où vous montez la console.
Température de fonctionnement	de -40°C (-40°F) à 60°C (140°F)
Force du vent maximale tolérée	~80.5 km/h (50 mph)
Journée/Nuit	La caméra est classée pour 0.03 lux. Utilisée pour des études de 24 heures.
Champ de vision	90° horizontal et vertical
Max. durée batterie	72 heures d'utilisation en continu
Durée de chargement des batteries	~24 heures
Types de mémoire acceptées	cartes mémoires SD (SDHC inclut)

DURÉE D'ENREGISTREMENT MAXIMUM

Taille de Carte	Durée d'enregistrement maximum
2 GB	11 heures
4 GB	22 heures
8 GB	45 heures
16 GB	90 heures
32 GB	182 heures
2 x 32 GB	364 heures

MISE À JOUR DU FUSEAU HORAIRE POUR LES CLIENTS DE L'UE SANS SCOUT CONNECT

Pour les Scout avec Connect, le fuseau horaire est automatiquement mis à jour en fonction de la position GPS du Scout. Pour les Scout sans Connect, l'heure locale et l'heure d'été doivent être ajustées manuellement.

Réinitialiser le fuseau horaire manuellement sur Scout :

1. Sur le Scout allez dans **Paramètres**.
2. Appuyer sur **Date & heure**.
3. Appuyez sur **Fuseau horaire**.
4. Appuyez sur **Europe**.
5. Sélectionnez le fuseau horaire pour votre région.

INSTRUCTIONS DE SÉCURITÉ SCOUT

Toujours suivre les instructions de sécurité recommandées lors de l'utilisation et du déploiement du Scout VCU.

Sécurité

- Fixer solidement et lever les leviers lors du déploiement du Mât Télescopique. Les sections du mât ne doivent pas pouvoir tourner si les leviers sont fermés.
- S'assurer que tous les éléments sont fixés solidement et verrouillés.
- Le Mât Télescopique peut être déployé en hauteur pour plus de sécurité contre des risques de vandalisme - s'assurer que les sangles à cliquet sont bien serrées dans ce cas.
- Pour plus de sécurité, une chaîne et un cadenas (optionnels) peuvent être utilisés dans le but de sécuriser Le Mât Télescopique (non fourni dans le colis).

Sûreté

- Faire attention aux obstacles pouvant se trouver au-dessus - ne pas déployer à un endroit où des câbles de réseau électrique ou des transformateurs pourraient entrer en contact avec le mât déployé.
- S'assurer que le Mât Télescopique est fixé solidement avant de le déployer ou le rétracter ou avant de placer Scout/Power Pack sur l'équerre de support.
- Ne jamais déployer le Mât Télescopique pendant un orage avec éclairs ou lors de prévision de foudre.
- Le Scout est étanche lorsque la porte est fermée - si elle est ouverte lors d'intempéries, l'eau pourrait détériorer les composants électroniques.
- Éviter d'ouvrir et de démonter le Scout à moins d'avoir été formé par un technicien du Service Clientèle.
- Ne jamais toucher ou manipuler les composants internes.

SPECIFICATION DES BATTERIES

Les batteries au plomb peuvent être altérées par les changements de températures, les cycles de rechargement et la manière dont vous utilisez ces batteries. Les fiches de spécifications ci-dessous contiennent des graphiques et plus d'informations sur les caractéristiques des batteries utilisées dans les unités Scout.

Scout VCU: 12V, batterie 14Ah SLA

Power Pack: 12V, batterie 9Ah SLA

Si vous achetez des nouvelles batteries, Miovision recommande la marque PowerSonic. Si la marque PowerSonic n'est pas disponible, une autre batterie avec les mêmes spécifications peut être achetée et utilisée.

Miovision ne peut garantir les durées d'enregistrement et de veille affichées ci-dessous d'une batterie d'une autre marque que PowerSonic.

Durée d'enregistrement

Scout VCU: 72 heures (3 jours)

Scout VCU + Power Pack: 168 heures (7 jours)

Ces estimations de durée d'enregistrement sont basées sur des déploiements à des températures ambiantes optimales, et avec des batteries chargées et entretenues en suivant les conseils de Miovision.

Durée en veille: 60 jours

L'unité Scout reste en veille lorsque qu'elle n'est pas en enregistrement, ce qui aura une incidence sur les temps d'enregistrement et sur les niveaux de batterie au fil du temps. Le Power Pack ne dispose pas de mode veille, mais il y a quand même une perte d'énergie lorsque celui-ci n'est pas utilisé.

Lorsque vous stockez votre unité VCU ou votre Power Pack pour une longue période, il est recommandé de charger votre batterie au moins tous les 30 jours pour s'assurer que les batteries gardent un minimum de charge.

CHARGEUR - AVERTISSEMENTS

Dans certains cas le Scout affichera les avertissements suivants: **Charge Température** ou **Long charge**. Si tel est le cas, effectuez tout d'abord un test de capacité, puis téléchargez les fichiers logs et les envoyer au Support Client pour analyse.

Avertissement de la température de charge

Le Scout va vous alerter si des températures élevées (> 30°C / 86°F) sont détectées quand vous chargez les batteries. Charger par des températures élevées peut réduire la vie de vos batteries ou endommager votre équipement, les batteries peuvent notamment se bomber ou se fissurer. Si vous recevez cette alerte, commencer **un test de la capacité** pour déterminer si la performance de la batterie a été affectée.

Pour maximiser la vie de vos batteries et pour protéger votre équipement:

- Assurez-vous que les batteries ont suffisamment de temps pour refroidir après des études réalisées par des températures élevées.
- Ne chargez pas les batteries par des températures élevées.

SCU000 - 14.3.0.99999

 07-11-2014
PP  3:07

 **AVERTISSEMENT**
Avertissement température de recharge
La dernière charge présentait des températures élevées. Des températures élevées durant la charge peuvent entraîner une usure des batteries et endommager le matériel. Veuillez inspecter le boîtier Scout pour prévenir tout dommage et veuillez effectuer un test de capacité afin d'être sûr que les performances des batteries ne sont pas affectées.

 Veuillez vous référer à <http://help.miovision.com> pour plus de détails 'Avertissement température de recharge'

Télécharger les journaux ▶

Température **Rejeter** ▶

Avertissement longue charge

Le Scout va vous alerter si votre cycle de chargement prend plus de temps qu'il ne faut. Cela signifie que le chargeur se trouvait en mode:

- Courant constant pour >9 heures OU
- Voltage constant pour >12 heures

Cela peut éventuellement indiquer que les batteries sont endommagées ou qu'il y a une anomalie. Les cycles de chargement long peuvent aussi provoquer une surchauffe des batteries pouvant engendrer la dilatation du Scout.

Si vous recevez cette alerte, commencer **un test de la capacité**. Pour déterminer la cause du cycle du chargement long, télécharger les journaux Scout et les envoyer au Support clientèle pour analyse. Si l'alerte est ignorée, le comportement des batteries peut devenir irrégulier et la performance peut se détériorer.

SCU000 - 14.3.0.99999

 07-11-2014
 3:08

 **AVERTISSEMENT**
Attention longue charge

Le dernier cylce de charge a pris plus longtemps que prévu. Des longs cylces de charge peuvent entrainer une usure des batteries et des dommages matériels. Veuillez réaliser des tests de capacité afin d'être sur que les performances des batteries n'ont pas été affectées.



Veuillez vous référer à
<http://help.miovision.com> pour plus
de détails 'Attention longue charge'

**Télécharger
les journaux** ▶

Longue charge

Rejeter ▶

TEST DE LA CAPACITÉ DE LA BATTERIE

Le test de la capacité permet au Scout de re-calibrer la capacité de la batterie pour assurer une évaluation précise. Puisque la capacité est affectée par les modes d'utilisation, de chargement et les changements de température, nous recommandons de faire une analyse de la capacité en début de chaque saison (l'automne, l'été), ou au minimum deux fois par an. Cela devrait être également effectué si vous recevez les alertes **Température de charge** ou **Charge longue**.

Aller à **Matériel** > **Contrôle de la batterie** > **Avancé** > **Test de la capacité**.

Note: le Scout doit être complètement chargé et le chargeur débranché pour accomplir le test.

Le test durera environ 48 heures, indépendamment de l'état de vos batteries. Pendant ce temps l'écran du Scout indiquera que le diagnostic est en cours et affichera une barre de progression.

Lorsque le test est fini, la led du Scout à côté de l'icône de la batterie clignote. La couleur de la led indique une estimation du nombre d'heures de vidéos permises par la batterie.

- **Vert:** > 48 heures
- **Jaune:** entre 24-48 heures
- **Rouge:** < 24 heures

Un chargement complet des batteries sera nécessaire lorsque le test de la capacité est fini. Lorsque le Scout est complètement chargé, vous pouvez contrôler la capacité de la batterie ici **Matériel** > **Contrôle de la batterie**.

INSTALLATION ET ENREGISTREMENT

GUIDE DE DÉPLOIEMENT SCOUT

Distance de la chaussée

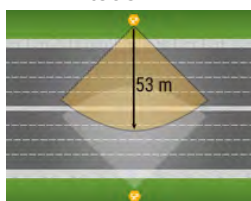
- Le VCU doit être à moins de 12 pieds (4 mètres) du côté de la route ou de l'intersection enregistrée.
- Éviter de déployer le mât avec des obstacles en deçà de 25 pieds (8 mètres).
- Assurez-vous que la vue de l'intersection n'est pas obstruée par des objets, par exemple des arbres, panneaux publicitaires.



Étude TMC



Étude ATR



Distance de visionnage de la caméra

- Les mouvements jusqu'à 53 mètres du VCU peuvent être traités avec précision.
- Si vous réalisez une étude ATR, un maximum de 4 voies (voies séparées) ou 6 voies (volume seulement) < 175 pi. (53 m).
- Si vous réalisez une étude TMC, un maximum de 6 voies pour chaque VCU < 175 pi. (53 m).
- Pour les mouvements ou des voies au delà de 53 mètre des caméras supplémentaires seront nécessaires pour capturer tous les mouvements.

La hauteur du mât et l'angle de vision

- Le mât doit être toujours déployé à sa hauteur maximale pour assurer une vision complète de la zone d'étude.
- Vérifier que tous les mouvements et les approches sont visibles dans les champ de vision de la caméra en effectuant une vérification de la caméra depuis l'écran du boîtier Scout, touche : Matériel.

Reflets du soleil/Eclairage public

- Evitez d'installer le VCU Scout avec la caméra en direction d'un éclairage public – le reflet peut obstruer le champs de vision et les mouvements.
- Autant que possible, n'installez pas la caméra directement vers l'horizon pendant le lever ou coucher de soleil.
- L'axe de vision Nord/Sud est recommandé.

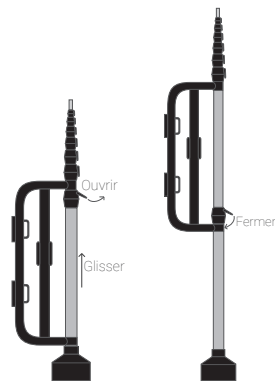
INSTALLATION DU MÂT TÉLESCOPIQUE

1. Sélectionnez un site de déploiement.

- Souvenez-vous de lire et suivre le guide d'installation du Scout.

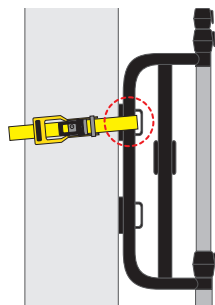
2. Attachez le mât télescopique à un poteau/ trépied.

- Développez la section inférieure du mât de telle sorte que le support se trouve à hauteur d'épaule quand le pied repose sur le sol, (cette étape n'est pas nécessaire si le déploiement du mât télescopique s'effectue à même le sol).
- Abaissez solidement le levier afin de s'assurer que les sections du mât restent déployées.
- Tenez le Mât Télescopique contre le support afin que les patins en caoutchouc soient plaqués contre le poteau.
- Passez les deux sangles à cliquet dans les anneaux et autour du poteau /trépied et les fixer fortement.



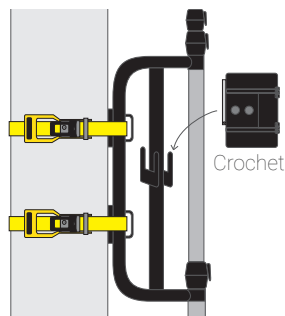
3. Installez le Scout VCU sur l'équerre du mât télescopique.

- Faites glisser le support métallique situé à l'arrière du VCU-Scout sur l'équerre du mât télescopique.
- Le Connecteur sur le Scout VCU doit se trouver à l'écart du poteau.
- Si besoin, un Power Pack peut être installé sur l'équerre opposée dans le cas d'un enregistrement prolongé.



4. Connectez le câble vidéo au Scout.

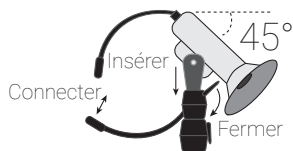
- Alignez l'encoche et connectez le câble vidéo au connecteur Vidéo In sur le Scout VCU.
- Connectez le câble du Power Pack au Chargeur / Power Pack connecteur si nécessaire.
- Serrez à la main la vis métallique pour chaque connecteur.



- Ne serrez pas trop les vis et n'utilisez pas d'outil pour les serrer - cela peut endommager les connecteurs ou les câbles.

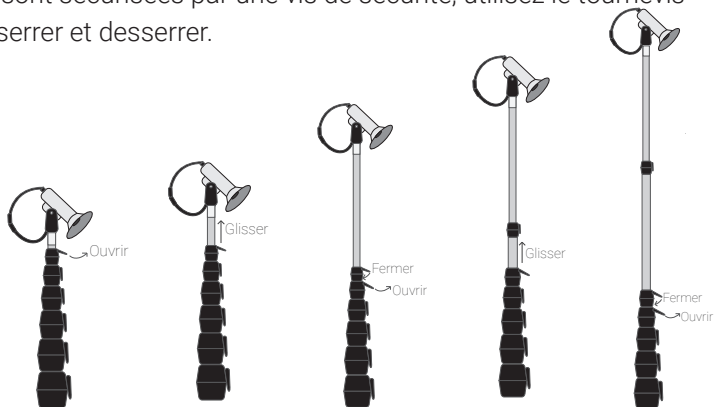
5. Fixez la caméra sur le mât.

- Insérez l'embout de la caméra dans le mât télescopique.
- Serrez en fermant le levier.
- Connectez le câble de la caméra au câble du mât télescopique.



6. Déployer le mât.

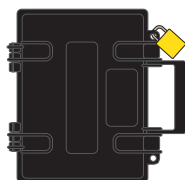
- Débloquez la section la plus haute en levant le levier.
- Développez la section supérieure du mât aussi loin que possible - faites attention de ne pas développer la section trop loin.
- Maintenez la section en fermant le levier.
- Testez la rotation de la section du mât à la main – il ne devrait pas bouger.
- Si besoin, serrez encore le point de fixation en tournant l'écrou de fixation dans le sens contraire des aiguilles d'une montre.
- Répétez l'opération pour chaque section mât. Les deux dernières sections sont sécurisées par une vis de sécurité, utilisez le tournevis pour les serrer et desserrer.



7. Vérification de l'installation du matériel.

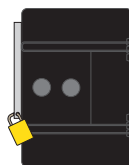
- Allumez le Scout VCU en appuyant sur le bouton jaune sur la face avant.
- Toutes les études programmées devraient apparaître sous le titre Étude à venir à la gauche de l'écran.
- Dans l'écran **Matériel**, réalisez les vérifications suivantes :
 - **Contrôle de la batterie:** Affiche la capacité de la batterie interne et du powerpack (si connecté). Une alerte s'affichera s'il n'y a pas assez de capacité de batterie pour les études programmées.
 - **Vérification caméra:** Affiche la vue depuis la caméra. Faites les ajustements nécessaires : direction/angle de la caméra pour s'assurer que tous mouvements de l'étude sont visibles à l'écran.
 - **Vérifier stockage:** faites cette vérification pour s'assurer qu'il y a assez d'espace sur la carte SD pour les études programmées. Appuyez sur **Formater** pour supprimer toutes les vidéos ou données existantes sur les cartes SD.

8. Sécurisez le Scout et le Mât Télescopique.



Utilisez le cadenas pour sécuriser la

porte du boîtier de
contrôle Scout



Utilisez le cadenas pour sécuriser le
boîtier Scout sur l'équerre du mât télé-
scopique

- Utilisez les cadenas fournis pour verrouiller la porte du Scout VCU et le support du Mât Télescopique.
- Utilisez les clés fournies pour fermer les sangles.
- Pour des raisons de sécurité, nous préconisons de rajouter une chaîne autour du poteau (non fournie).
- Démontage de l'appareil.

DÉSINSTALLATION DU MÂT TÉLESCOPIQUE

1. Ouvrir le boîtier Scout et arrêter l'enregistrement.
 - Si l'enregistrement est toujours en cours, arrêter manuellement en pressant le bouton Arrêt sur l'écran.
 - Si l'enregistrement est terminé, aller à l'écran dernier enregistrements pour vérifier la vidéo enregistrée.
2. Rétracter le mât.
 - Prenez soin de toujours tenir le mât, desserrer les vis des sections inférieures et démonter le mât lentement.
 - Serrer chaque section avant de détacher la section suivante.
3. Enlever la caméra du mât.
 - Déconnecter la caméra du câble vidéo.
 - Mettre le protège-objectif sur la caméra pour empêcher sa détérioration.
 - Retirer la caméra.
4. Enlever le Scout VCU et le Power Pack de l'équerre de support.
 - Dévisser tous les câbles du Scout et Power Pack.
 - Remettre les couvercles sur les connecteurs pour empêcher leur détérioration.
 - Enlever les cadenas.
 - Enlever le Scout VCU (et Power Pack si utilisé) de son équerre.
5. Enlever les sangles à cliquet.
 - Ouvrir les deux sangles à cliquet.
 - Pour pouvoir desserrer une sangle, tirer complètement le levier situé au milieu en direction de la poignée - cela délivrera le mécanisme de cliquet et permettra d'étendre la poignée.
 - Continuer à maintenir le levier en place tout en tirant le cliquet loin du mât - la sangle se libèrera.
 - Bien tenir le Mât Télescopique pendant que vous desserrez les sangles afin d'éviter qu'il ne tombe.

6. Faire descendre la section inférieure du mât.
 - Desserrer le levier sous le crochet et faire descendre la section inférieure du mât, ainsi le Mât Télescopique est complètement rétracté.
 - Fermer le levier pour assurer le verrouillage une fois qu'il est rétracté.

ENVOYER LES VIDÉOS À MIOVISION

Ouvrir une session sur www.trafficdataonline.com pour transformer une vidéo enregistrée en données de circulation avec une précision de 95%.

Si vous n'avez pas de compte Trafficdataonline.com (TDO), contactez support@miovision.com.

DO NOT SCALE - IF IN DOUBT, ASK
ORIGINAL SIZE A3
0 10 20 30 40 50 60 70 80 90 100

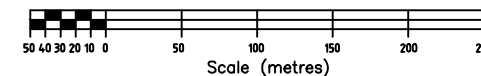
LEGEND

- FENCE
- LANDFILL OPERATION AREA
- LANDFILL DESIGNATION D658
DUNEDIN CITY COUNCIL DISTRICT PLAN
- SEWER LINE
- STORMWATER DITCH
- LEACHATE OPEN DITCH
- GAS PIPELINE
- WATER PIPE (ABOVE GROUND)
- EXTENT OF LANDFILLED AREA
- GAS WELL HEAD (OPERATIONAL)
- GAS WELL HEAD (INACTIVE)
- GROUND WATER PIZO

SCHEMATIC STORMWATER CATCHMENTS

- CONTAMINATED STORMWATER CATCHMENT
(INTO LEACHATE COLLECTION SYSTEM)
- EASTERN SEDIMENTATION POND CATCHMENT
(CLEAN LANDFILL RUN OFF)
- WESTERN SEDIMENTATION POND CATCHMENT
(ACTIVE SURFACE RUN OFF)
- CLEAN WATER STORMWATER CATCHMENT
(NOT PART OF THE LANDFILL CATCHMENT)
- TRANSFER STATION STORMWATER CATCHMENT
- GENERAL DIRECTION OF STORMWATER FLOW
- LEACHATE COLLECTION SYSTEM

NOTE
REFER PLAN 6116-16 SHEET 11 (2004) FOR DETAILS OF LEACHATE COLLECTION SYSTEM



File Ref:



No.	Amendments	Drawn	Date

DCC LANDFILLS

ANNUAL SURVEY PLANS - JULY 2016

GREEN ISLAND LANDFILL

SCHEMATIC & CONTAMINATED STORMWATER CATCHMENT PLAN

Project No.: 16031	Surveyed: DS
Scale: 1:5000	Designed: DH
Date: JULY 2016	Drawn: DS/CC
Sheet: G06	Checked: DH

Survey Services
Surveying Consultants
TL Survey Services Limited
P.O. Box 901 DUNEDIN
Phone (03) 477 1133

FINAL

Project Brief

Green Island Landfill Facility (GILF)

Weighbridge, Traffic Layout & CCTV

DOCUMENT CONTROL

Revision History

Date	Version	Author	Comments
19/09/2019	1.0	Matthew Hartley	DRAFT

Knowledge Management

	Name	Role
Document Owner	Matthew Hartley	Project Manager
File Location		

Document Approval

Name	Role	Signature, Date and Agreement
Matthew Hartley	Project Manager	___/___/___
Lincoln Coe	Project Assurance	___/___/___

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1. PROJECT DEFINITION

This section details what the project sets out to achieve.

1.1. Background

Since the introduction of the Dunedin City Council (DCC) Waste Management and Minimisation Plan in 2013 the annual tonnage of domestic waste disposed of by the general public at Green Island Transfer Station between 2013 and 2017 reduced from 9,708 tonnes to 7,237 tonnes, respectively (a reduction of approximately 25%).

However, due to the closure of the Fairfield Landfill in 2017, the total waste to Green Island Landfill Facility (GILF) from all users (commercial and domestic) increased by 64% (42,591 tonnes in 2013 to 69,841 tonnes in 2017).

In order to address the above increase and to align to goals/objectives of the DCC Waste Management and Minimisation Plan funding has been granted to facilitate installation of a second weighbridge and rearrangement of the existing traffic layout at the GILF.

In addition, funding is also in place to install a new CCTV system and it has been determined that construction activities associated with the new weighbridge and road layout represent an appropriate opportunity to complete this component.

For reference a layout plan of GILF is included as Attachment A.

1.2. Project name

The project name is GILF Weighbridge, Traffic Layout and CCTV.

1.3. Objectives and desired outcomes

The objectives of the project are:

- to improve the overall function, efficiency and safety of GILF (and specifically the use of the transfer station)
- to introduce a revised charging regime resulting in a cost saving option for domestic users
- encourage domestic recycling activities ('diversion' of domestic users so that they visit the transfer station prior to the landfill area)
- waste minimisation and overall reduction of domestic waste entering the landfill

The desired outcomes are:

- a functional and efficient traffic layout (including weighbridge process) for all users (domestic and commercial)
- acceptable operational costs
- a minimum 5-year life span for the existing weighbridge
- a minimum 5-year life span for the new weighbridge with the option to move to another location within the current DCC area of jurisdiction
- an efficient, user friendly and reliable CCTV system

The W&ES Group Manager will be responsible for confirming that the completed project meets the above desired outcomes.

1.4. Scope and exclusions

The scope of the project includes the following:

- Installation of an additional weighbridge (including for the option to move to another location within the current DCC area of jurisdiction should it be determined that GILF will cease to operate)
- Assessment of the existing weighbridge and advise as to any required remedial measures. The required life for this weighbridge is 5 years from current date.
- Assessment of the current weighbridge booth, confirm suitability to incorporate operation of the new weighbridge, and advise as to any required remedial measures. The required life for the booth is 5 years from current date.

- An update to the existing traffic layout associated with access/egress and flow with this proposed traffic layout change resulting from both:
 - new and existing weighbridges serving both commercial customers (to tip face) and domestic customers (to transfer station)
 - the need to improve safety and efficiency of traffic routing to rummage and recycling facilities (i.e. diversion from landfill)
- Installation of a new closed-circuit television (CCTV) system in the vicinity of site buildings and traffic areas associated with the existing (and new) weighbridge and the transfer station
- **System and Software?**

For reference a concept design sketch of traffic layout is included as Attachment B.

1.5. Constraints and assumptions

The following constraints have been identified:

- Resource Consent requirements (including any existing conditions related to operation of the GILF).
- Building Control
- Relevant Ministry for the Environment and Waste MINZ documentation
- Consideration is needed as to how people will travel to and access the GILF.
- Civil design considerations including:
 - Stormwater collection/management systems (stormwater inception from surface areas etc. and stormwater drainage reticulation)
 - Roadway/pavement design (access roads, car parking areas and intersection design) and
 - Provision for other services (telecom, power, lighting etc).
- Unconfirmed ground conditions (although knowledge that the area is 'old landfill' with visible differential settlement occurring).
- Maintain access (consistent with current operational times) to the existing landfill and transfer station.

The following is assumed:

- DCC will continue to be the owner and Waste Management (WM) Ltd (contracted by DCC) will continue to operate GILF.

1.6. Interfaces and dependencies

The weighbridge, traffic management and CCTV system should be designed to be integrated functionally and efficiently as part of existing landfill and transfer station operations (including dependency on existing utilities, traffic flow and access/egress).

2. PROJECT APPROACH

This section describes the general approach to delivering the project.

2.1. Project organisation

The project will be delivered by the DCC Waste and Environmental Services (W&ES) Group and specifically the following individuals.

- DCC W&ES Group Manager – Chris Henderson
- DCC Project Manager – Matthew Hartley
- DCC Project Assurance – Lincoln Coe
- WM Operations Manager – Paul Withers
- WM Site Engineer – Richard Hyndman
- WM Rummage Team Leader – Catherine McLean

2.2. Delivery mechanism

The preferred delivery mechanism for the project is:

- engage a specialist external consultant team to design the new traffic layout including retention of the existing weighbridge, incorporation of the new weighbridge, and inclusion of the new CCTV system
- upon completion of design engage a contractor to deliver all components

The overall delivery mechanism will be the one that delivers DCC capital expenditure value for money, the lowest 'whole of life' cost, and minimum disruption to existing operations.

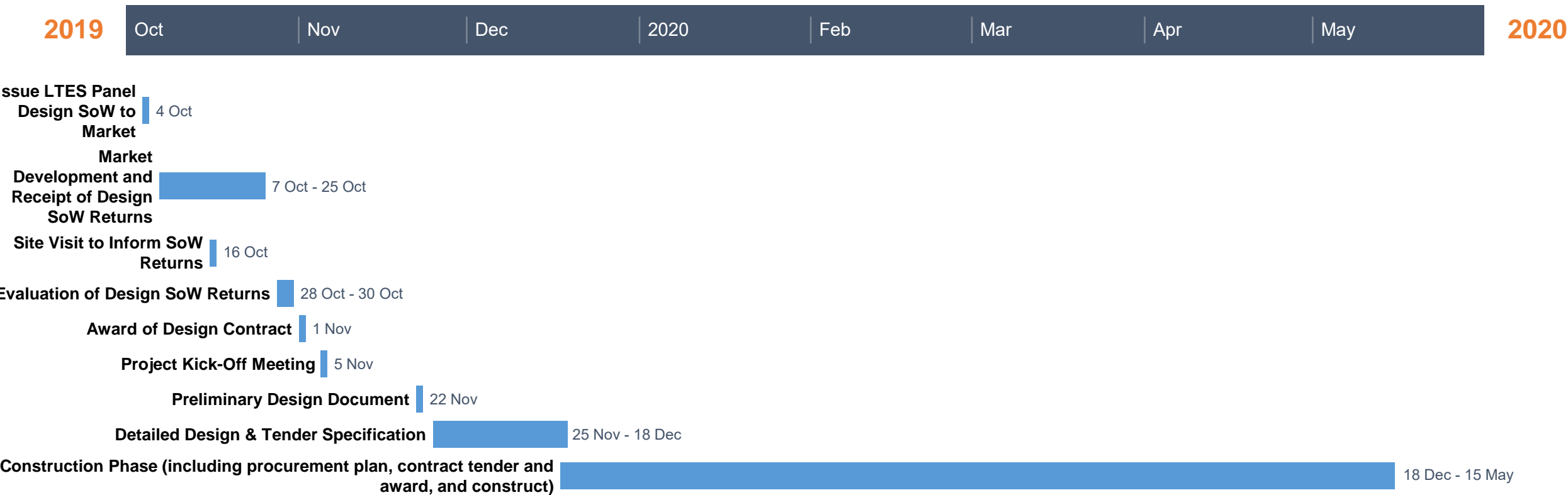
Attachment A

GILF Layout Plan

Attachment B

Draft Concept Traffic Layout

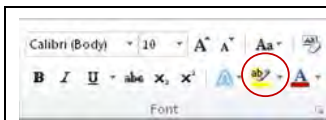
GILF Weighbridge, Traffic Layout and CCTV



Template: RFP Non-Price Attributes Response Form

Instructions for Respondents

- Please use this Response Form in responding to our RFP. It is important that you do not change the structure (section headings and sequence). Changing this structure will make it harder for the evaluators to find relevant information quickly.
- Before starting to complete this form please make sure that you have read the Request for Proposals (RFP) in full and understand our Requirements (RFP Section 2), our Evaluation Approach (RFP Section 3) and the RFP Process, Terms and Conditions (shortened to RFP-Terms described in Section 6). If anything is unclear or you have any questions please get in touch with our Point of Contact (RFP Section 1 paragraph 1.3) before the Deadline for Questions (RFP Section 1, paragraph 1.2).
- We have included supplier tip boxes to help you understand what is required. The areas highlighted in yellow indicate where you are to write your response.
- Remember to delete the supplier tip boxes and remove the highlight from your answers before sending us your response – they are for your use only!



To remove highlight from text: select the text you want to remove the highlight from. In the 'Home' tab in the 'Font' group select the arrow at the right of the 'Text highlight colour' and select 'no colour'.

- For more general information on how to respond to tenders refer to the suppliers' resource centre at: [www.procurement.govt.nz/for suppliers](http://www.procurement.govt.nz/for-suppliers).
- Note that all information relating to Pricing or financial assumptions, tags and clarifications that may have an impact on pricing for this contract MUST NOT be included within this template. This information should be included in the separate pricing schedule which accompanies this response template. Inclusion of pricing information in this response template may render your response non-conforming.

Check list for Respondents

Task	✓
1. Complete all sections of the Response Form.	
2. Delete all 'supplier tip' boxes from the Response Form.	
3. Remove all yellow highlight from the Response Form.	
4. Make sure that you have complied with the following instructions: <ul style="list-style-type: none"> • 'Two envelope system': provide all financial information relating to price, expenses and costs in a separate clearly identified soft copy folder. • The Response Form is no longer than 50 pages. 	
5. Arrange for the declaration to be signed.	
6. Prepare your Proposal for electronic submission through GETS	
7. Arrange for the Proposal to be submitted via GETS before the Deadline for Proposals.	

Dunedin City Council Response Form

In response to Request for Proposals

by: Dunedin City Council [Transport]

for: Traffic Counting 2019/20 – 2023/24

ref: 8413

Date of this Proposal: [Insert date of this document]



Supplier
tips

Words and phrases which have a special meaning are shown by the use of capitals e.g. Respondent, which means '*a person, organisation, business or other entity that submits a Proposal in response to the RFP. The term Respondent includes its officers, employees, contractors, consultants, agents and representatives. The term Respondent differs from a supplier, which is any other business in the market place that does not submit a Proposal*'. Definitions are at the end RFP Section 6.

1. About the Respondent



Supplier tips

- The section gives the Buyer basic information about your organisation and identifies your Point of Contact for the duration of the RFP process.
- If an item is not applicable e.g. you do not have a registered office complete the box by stating 'not applicable'.
- If you are submitting a joint or consortium Proposal complete an 'Our profile' table for each Respondent. Cut and paste the table as appropriate. Provide only one Point of Contact for your joint/consortium Proposal.

Our profile

Choose one of these statements to complete, and delete the others

This is a Proposal by [insert the name of your organisation] (the Respondent) alone to supply the Requirements.

OR This is a [joint/consortium] Proposal, by [insert the name of your organisation] and [insert the name of the other organisation/s] (together the Respondents) to supply the Requirements.

Item	Detail
Trading name:	[insert the name that you do business under]
Full legal name (if different):	[if applicable]
Physical address:	[if more than one office – put the address of your head office]
Postal address:	[e.g. P.O Box address]
Registered office:	[if you have a registered office insert the address here]
Business website:	[url address]
Type of entity (legal status):	[sole trader / partnership / limited liability company / other please specify]
Registration number:	[if your organisation has a registration number insert it here e.g. company registration number]
Country of residence:	[insert country where you (if you are a sole trader) or your organisation is resident for tax purposes]
GST registration number:	[NZ GST number / if overseas please state]

Our Point of Contact

Item	Detail
Contact person:	[name of the person responsible for communicating with the Buyer]
Position:	[job title or position]
Phone number:	[landline]
Mobile number:	[mobile]
Email address:	[work email]

2. Response to the Requirements



Supplier tips

- In this section you are asked to provide your response to our Requirements (RFP Section 2) by demonstrating your organisation's ability to meet our criteria (RFP Section 3: Our Evaluation Approach). Carefully read RFP Sections 2 and 3 before completing this part.
- If there is anything that you do not understand ask our Point of Contact to clarify.
- If any information you provide is commercially sensitive to your business you must let the Buyer know. Please mark the information 'commercially sensitive' or 'Confidential Information'. It is not acceptable to render this whole document confidential unless this is truly the case. The Buyer has a duty to protect Confidential Information, subject to the exceptions in the RFP-Terms (Section 6).
- If some of an answer is in another document e.g. a marketing brochure, copy and paste the relevant extract into this Proposal. Do not submit the whole brochure. Please do not include any advertising brochures or similar material in your Proposal.
- You may include information not specifically requested by us in your Proposal. But only if it adds value and is relevant to the Requirements.

Overview of our solution

Please provide an overview of your understanding of the aims of this contract, any particular challenges or risks that are material to achieving Value for Money, and the unique factors that will differentiate your solution from that offered by your competitors.

Your response should be limited to a maximum of three pages.

Questions relating to the evaluation criteria



Supplier tips

- Here you are asked to answer questions relating to the evaluation criteria. Your Proposal will be scored against your answers to these criteria. Aim to give answers that are relevant, concise and comprehensive.
- Consider the % weighting for each criterion. The higher the weighting the more important it is. Take the weightings into account in deciding how much detail to include.
- If you have made any assumption about the Requirements or delivery, clearly state the assumption.
- There may be several questions that relate to one criterion. If these questions are not individually weighted assume that they are of equal importance.

1. Relevant Experience	Weighting 20%
<p>Note: In scoring this section, the evaluators will place high value on:</p> <ul style="list-style-type: none"> ■ Evidence of delivering traffic counting contracts for the DCC or similar local authority client. <p>Minimum Standard: To be considered further, tenderers must:</p> <ul style="list-style-type: none"> ■ Provide the details and contact information for three (3) projects directly relevant to this contract. <p>Referees must affirm the experience described in the written response and indicate their satisfaction with the tenderer's performance in respect to the areas above</p>	

Please provide the details and contacts for at least 3 reference projects to demonstrate your experience – referee details must be entered in sections 5.

Provide examples of your company's experience completing cycle counts and travel time surveys.

[insert your answer here]

Provide examples of your company's experience working with parking sensors and intersection cameras.

[insert your answer here]

Outline your Company's experience undertaking similar traffic counting for the DCC or other Local Authorities.

[insert your answer here]

2. Relevant Skills

Weighting 10%

Note: In scoring this section, the evaluators will place high value on:

- Key nominated personnel and/or project lead with substantial successful experience on relevant contracts with the DCC or similar local authority client.
- Proposed team management and communications system that maximises effectiveness and productivity and is designed to meet tight timeframes for project delivery

Minimum Standard: To be considered further, tenderers must:

- Nominate the key personnel they will utilise on this contract and provide details of their relevant experience (executive CVs to be provided).
- Provide details of an effective communication system

Provide names, qualifications and describe the relevant experience for the staff who will be involved in undertaking this contract for the DCC.

Please include field staff.

Define roles and responsibilities and the percent of their time you expect to be dedicated to this contract.

[insert your answer here]

Nominate your project lead and detail their experience leading similar local government contracts.

[insert your answer here]

Define your communication and management system and demonstrate how this will maximise effectiveness and productivity.

[insert your answer here]

3. Methodology

Weighting 30%

Note: In scoring this section, the evaluators will place high value on:

- A comprehensive programme and deployment plan that guarantees delivery on time.
- Areas of innovation that clearly demonstrate improved efficiency to the contract.

Minimum Standard: To be considered further, tenderers must:

- Outline their proposed procedures to achieve the required end-results, and provide evidence of the expected accuracy of the traffic data collection devices with respect to speed, traffic volume and vehicle classification.

This should include (but is not limited to);

- a) Data collection equipment – outline how it collects
- b) Software – example of output reports generated and describe the benefits of the proposed system.
- c) Method statement for Intersection Turning/Movement Volume Surveys
- d) Method for ensuring accuracy of data for multi lane roads
- e) Quality Assurance Procedures

- Demonstrate how their proposed level of service deployment and commitment will ensure they the DCC's intended programme for the contract.

Outline your methodology for ensuring the accuracy of the data provided.

[insert your answer here]

Detail the traffic counting equipment you plan to use on this contract. Detail it's capability compared to the standards outlined in the RFP.

[insert your answer here]

Outline the volume of equipment and the resources you can plan to use on this contract. This should include discussion of your flexibility and an estimate of the number of traffic counts you will be able to complete in a month.

[insert your answer here]

Outline your Health and Safety and Traffic Management procedures.

[insert your answer here]

Provide your comprehensive programme and deployment plan to guarantee delivery on time.

[insert your answer here]

Describe any areas of innovation that clearly demonstrate improved efficiency to the contract.

[insert your answer here]

4. Sustainability

Weighting 10%

Note: In scoring this section, the evaluators will place high value on:

- Respondents that currently hold (or have pending certification) formal environmental management systems such as Enviromark/ISO 14001.
Please provide relevant proof and supporting documentation.
- Respondents that can demonstrate community benefits in terms of personal wellbeing, social cohesion, social capital and social inclusion, particularly within Dunedin or the wider Otago region.

Minimum Standard: To be considered further, tenderers must:

- Define their environmental, waste reduction and/or energy management strategy.
- Describe how they will benefit the local economy and/or employment through this contract.
- Demonstrate how they will provide community and/or social benefit through this contract.

Define your environmental, waste reduction and/or energy management strategy.

[insert your answer here]

Describe how your work on this contract will benefit the local economy and or employment.

[insert your answer here]

Demonstrate how you will provide community or social benefit through this contract.

[insert your answer here]

Provide evidence of any current environmental certification.

[insert your answer here]

Provide evidence to demonstrate where you have provided community benefits in terms of personal wellbeing, social cohesion, social capital and social inclusion, particularly within Dunedin or the wider Otago region.

[insert your answer here]

Assumptions

*Please state any assumptions you have made in relation to the Requirements.
Where you have made assumptions in relation to the costs and pricing information please state these in the next section.*

[insert your answer here]

3. Price



Supplier tips

- In the RFP Section 4 we have outlined the pricing information that we are seeking. This should inform you how to present your proposed price. Where we have provided a template, you must use this for your pricing information.
- In preparing your pricing information you must consider all risks, contingencies and other circumstances relating to the delivery of our Requirements and include adequate provision for them. You must also document any assumptions that you have made in costing the full delivery of the Requirements.
- If asked for a 'whole-of-life' cost this is the total cost to the Buyer over the whole of the life of the Contract. See [Guide to Total Cost of Ownership](#) and [TCO calculator](#) (listed under 'T').
- All financial and pricing information must be submitted in a separate sealed envelope or separate soft copy document: see the separate schedule that accompanies this template.

Price as a weighted criterion

Value for money (based on whole-of-life cost)

Weighting 30%

Pricing schedule

Please submit your financial information and pricing using the separate pricing schedule and upload your price response onto GETS in a separate and clearly identified soft copy folder.

Assumptions, Tags and Clarifications

Please include any assumptions, tags or clarifications you have made which may have an impact on the cost and pricing information, within the separate pricing schedule.

It is important that any information that may have an impact on pricing is NOT included in this Response Template.

4. Proposed Contract



Supplier tips

- In the RFP Section 5 we have detailed the terms and conditions of our Proposed Contract. We need to know whether or not you are prepared to do business based on the Proposed Contract.
- If you have any points that you wish to make about the Proposed Contract this is where you tell us. Note below any suggestions or changes you wish to propose.
- It is important that, if asked, you are able to explain why your changes are important to you.
- In deciding which Respondent/s to shortlist the Buyer will take into account each Respondent's willingness to meet the Proposed Contract terms and conditions.

Choose one and delete the other:

Having read and understood the Proposed Contract, in the RFP Section 5, I confirm that these terms and conditions are acceptable. If successful, I agree to sign a Contract based on the Proposed Contract, or such amended terms and conditions of Contract as are agreed with the Buyer following negotiations. OR

Having read and understood the Proposed Contract, in the RFP Section 5, I have the following suggestions to make. If successful, I agree to sign a Contract based on the Proposed Contract subject to negotiating the following clauses:

Clause	Concern	Proposed solution
[insert number]	[briefly describe your concern about this clause]	[describe your suggested alternative wording for the clause or your solution]
[insert number]	[briefly describe your concern about this clause]	[describe your suggested alternative wording for the clause or your solution]

5. Referees



Supplier tips

- Here you are asked to provide the names and contact details of your referees. These must be work related referees i.e. not a friend or family member.
- The best referees are those for whom you have recently delivered similar goods or services.
- Before including their details check with them to make sure that they consent to acting as referee on behalf of your organisation.

Please supply the details of referees for your organisation, for the most recent three relevant projects completed by the division that is proposed to deliver this contract. Include a brief description of the goods or services that your organisation provided and when.

Please note: in providing these referees you authorise us to collect any information about your organisation, except commercially sensitive pricing information, from the referees, and use such information in the evaluation of your Proposal. You also agree that all information provided by the referee to us will be confidential to us.

First referee	
Name of referee:	[insert name of the referee]
Name of organisation:	[insert name of their organisation]
Goods/services provided:	[brief description of the goods/services you provided to this referee]
Date of provision:	[insert the date when you provided the goods/services]
Address:	[insert street address]
Telephone:	[insert mobile or landline]
Email:	[insert email address]

Second referee	
Name of referee:	[insert name of the referee]
Name of organisation:	[insert name of their organisation]
Goods/services provided:	[brief description of the goods/services you provided to this referee]
Date of provision:	[insert the date when you provided the goods/services]
Address:	[insert street address]
Telephone:	[insert mobile or landline]
Email:	[insert email address]

Third referee	
Name of referee:	[insert name of the referee]
Name of organisation:	[insert name of their organisation]
Goods/services provided:	[brief description of the goods/services you provided to this referee]
Date of provision:	[insert the date when you provided the goods/services]
Address:	[insert street address]
Telephone:	[insert mobile or landline]
Email:	[insert email address]

Please contact me before you approach a referee for a reference	Yes/Not required
-----------------------------------------------------------------	------------------

6. Our declaration



Supplier tips

- Here you are asked to answer questions and make a formal declaration.
- Remember to select 'agree' or 'disagree' at the end of each row. If you don't you will be deemed to have agreed.
- Remember to get the declaration signed by someone who is authorised to sign and able to verify each of the elements of the declaration e.g. chief executive or a senior manager.
- If you are submitting a joint or consortium Proposal each Respondent (supplier involved in the joint or consortium Proposal) must complete a separate declaration.

Respondent's declaration		
Topic	Declaration	Respondent's declaration
RFP Process, Terms and Conditions:	I/we have read and fully understand this RFP, including the RFP Process, Terms and Conditions (shortened to RFP-Terms detailed in Section 6, as amended by Section 1, paragraph 1.6. if applicable). I/we confirm that the Respondent/s agree to be bound by them.	[agree / disagree]
Collection of further information:	<p>The Respondent/s authorises the Buyer to:</p> <ul style="list-style-type: none"> a. collect any information about the Respondent, except commercially sensitive pricing information, from any relevant third party, including a referee, or previous or existing client b. use such information in the evaluation of this Proposal. <p>The Respondent/s agrees that all such information will be confidential to the Buyer.</p>	[agree / disagree]
Requirements:	I/we have read and fully understand the nature and extent of the Buyer's Requirements as described in Section 2. I/we confirm that the Respondent/s has the necessary capacity and capability to fully meet or exceed the Requirements and will be available to deliver throughout the relevant Contract period.	[agree / disagree]
Ethics:	<p>In submitting this Proposal, the Respondent/s warrants that it:</p> <ul style="list-style-type: none"> a. has not entered into any improper, illegal, collusive or anti-competitive arrangements with any Competitor b. has not directly or indirectly approached any representative of the Buyer (other than the Point of Contact) to lobby or solicit information in relation to the RFP c. has not attempted to influence, or provide any form of personal inducement, reward or benefit to any representative of the Buyer. 	[agree / disagree]

Offer Validity Period:	I/we confirm that this Proposal, including the price, remains open for acceptance for the Offer Validity Period stated in Section 1, paragraph 1.6.	[agree / disagree]
Conflict of Interest declaration:	The Respondent warrants that it has no actual, potential or perceived Conflict of Interest in submitting this Proposal, or entering into a Contract to deliver the Requirements. Where a Conflict of Interest arises during the RFP process the Respondent/s will report it immediately to the Buyer's Point of Contact.	[agree / disagree]
Details of conflict of interest: [if you think you may have a conflict of interest briefly describe the conflict and how you propose to manage it or write 'not applicable'].		

DECLARATION

I/we declare that in submitting the Proposal and this declaration:

- a.** the information provided is true, accurate and complete and not misleading in any material respect
- b.** the Proposal does not contain intellectual property that will breach a third party's rights
- c.** I/we have secured all appropriate authorisations to submit this Proposal, to make the statements and to provide the information in the Proposal and I/we am/are not aware of any impediments to enter into a Contract to deliver the Requirements.

I/we understand that the falsification of information, supplying misleading information or the suppression of material information in this declaration and the Proposal may result in the Proposal being eliminated from further participation in the RFP process and may be grounds for termination of any Contract awarded as a result of the RFP.

By signing this declaration the signatory below represents, warrants and agrees that he/she has been authorised by the Respondent/s to make this declaration on its/their behalf.

Signature: _____

Full name: _____

Title / position: _____

Name of
organisation: _____

Date: _____

SCHEDULE 2

Scope of Work – Long-Term Technical and Engineering Support Services

Part A (Description of Requirements) – The DCC only will complete Part A and email Parts A and B to the Provider.

Project Name	Green Island Landfill Facility (GILF) Weighbridge, Traffic Layout & CCTV	DCC Project reference No. (from Pathway)	8865
DCC Contact Details	All project specific questions must be posted on GETs. Any general LTES questions can be addressed to renee.gaston@dcc.govt.nz	Deadline & Method for response	12pm Tuesday 29 October 2019
Date SoW released	9 October 2019	Deadline for receipt of questions	12pm Tuesday 22 October
Date of Interactive discussion	N/A	Date of Site visit	A site visit will be conducted on 16 October, 2019.
Charge Account for Purchase order to be raised against	60141-155290	DCC Invoices will be receipted/approved by	Michelle Taylor
Delegations required to approve Purchase Order	Chris Henderson		
Providers receiving SoW	Beca	Stantec	Tonkin & Taylor
Consultancy Service/s required	Transport Geotechnical Contaminated Land Civil Engineering Structural Engineering		
Nominated Personnel required	N/A		

1. Insurance and Liability Requirements

The provider is to confirm additional P.I. and Public Liability insurance to provide indemnity of risk to the DCC and mitigate their maximum liability as follows:

The maximum liability of the Provider to the DCC for all Losses under or in connection with this Scope of Work in respect of all claims will not exceed \$2M.

2. Background & Objectives

(i) Background

Since the introduction of the Dunedin City Council (DCC) Waste Management and Minimisation Plan in 2013 the annual tonnage of domestic waste disposed of by the general public at Green Island Transfer Station between 2013 and 2017 reduced from 9,708 tonnes to 7,237 tonnes, respectively (a reduction of approximately 25%).

However, due to the closure of the Fairfield Landfill in 2017, the total waste to Green Island Landfill Facility (GILF) from all users (commercial and domestic) increased by 64% (42,591 tonnes in 2013 to 69,841 tonnes in 2017).

In order to address the above increase and to align to goals/objectives of the DCC Waste Management and Minimisation Plan funding has been granted to facilitate installation of a second weighbridge and rearrangement of the existing traffic layout at the GILF.

In addition, funding is also in place to install a new CCTV system and it has been determined that construction activities associated with the new weighbridge and road layout represent an appropriate opportunity to complete this component.

(ii) Objectives of this Scope of Work

The objectives of the project are:

- to improve the overall function, efficiency and safety of GILF (and specifically the use of the transfer station)
- to introduce a revised charging regime resulting in a cost saving option for domestic users
- encourage domestic recycling activities ('diversion' of domestic users so that they visit the transfer station prior to the landfill area)
- waste minimisation and overall reduction of domestic waste entering the landfill

The desired outcomes are:

- a functional and efficient traffic layout (including weighbridge process) for all users (domestic and commercial)
- acceptable operational costs
- a minimum 5-year life span for the existing weighbridge
- a minimum 5-year life span for the new weighbridge with the option to move to another location within the current DCC area of jurisdiction
- an efficient, user friendly and reliable CCTV system

3. Requirements & Milestones

(i) Requirements (Specification)

A design document (at an appropriate level of detail to provide to a construction contractor) detailing the new traffic layout including retention of the existing weighbridge, incorporation of the new weighbridge, and inclusion of the new CCTV system.

(ii) Key Milestones (Deliverables & Timeframes)

<i>Service Deliverable</i>	<i>Desired Timeframe</i>	<i>Key notes</i>
Preliminary Design Document	22 November, 2019	
Detailed Design and Specification Documents	18 December, 2019	

A project schedule (including the above deliverables) is included with this SoW.

A project kick-off meeting will be conducted on 5 November, 2019 and a project design meeting will be held every two weeks right through to completion of detailed design and specification documentation. Meetings are expected to be for a period of 1 to 2 hours and held either at GILF or DCC offices.

4. Health and Safety

(i) Safety in Design Requirements

Provider to outline proposed Safety in Design Requirements.

(ii) Specific Project Health & Safety Risks

All parties involved in a project have an important role in managing health and safety risks.

To uphold our responsibilities under the Health and Safety at Work Act 2015 the Supplier will provide input that is consistent with DCC expectations / policy and relevant industry standards.

(iii) Likelihood of physical work being undertaken

It is important to note that the role does not require any physical work (manual labour, toil, work that requires physical effort or exertion). Visits to the development site may be required but for the purposes of observation only.

5. DCC Project Structure & Reporting Requirements

(i) DCC Project Structure

The key contacts for this project are:

DCC W&ES Group Manager – Chris Henderson
DCC Project Manager – Matthew Hartley (primary point of contact)
DCC Project Assurance – Lincoln Coe
WM Operations Manager – Paul Withers
WM Site Engineer – Richard Hyndman
WM Rummage Team Leader – Catherine McLean

(ii) Reporting Requirements

Outline reporting requirements will involve the following:

- Project kick-off meeting (either at the Site or DCC offices)
- attendance at bi-weekly design meetings (either at the Site or DCC offices).

6. Risk Management

It is expected that the Provider will work as required with the project manager to mitigate any project risks directly associated with their input (scope creep, delivery within budget etc.)

7. Additional Information

(i) Documents provided with the SoW

- Project Brief – GILF Weighbridge, Traffic Layout and CCTV System
- Project Schedule

(ii) Documents to be provided after SoW executed

- Traffic Data
- Topographic Survey
- Services and Utilities Plan
- Existing weighbridge foundation plans
- Existing weighbridge as-built plans
- Resource Consents

(iii) Budget

N/A

(iv) Invoicing Requirements

All Invoices must be emailed to finance.accountspayable@dcc.govt.nz. All Invoices must reference the Purchase Order number (recorded in Part C).

All invoices must be received within two business days after the end of each calendar month for the Services provided during the previous month. Failure by the Provider to do so may result in non-payment.

(v) Procurement Strategy for any associated contractor works

DCC expect to proceed with a traditional design then construction approach (with this SoW forming the design component).

(vi) Other information

N/A

8. Price

(i) *Type of Price*

Total fixed Price (Lump Sum)

(ii) *Price format*

Milestone	Type of Price
Preliminary Design Document	Total fixed price (Lump Sum)
Detailed Design and Specification Documents	Total fixed price (Lump Sum)

9. Out of Scope

(i) *Internal Resources provided*

- Project management
- Building Control
- Procurement of the construction contractor

(ii) *Externally contracted resources*

Matthew Hartley, AECOM, is contracted as the Project Manager

10. Evaluation Criteria & Response requirements

(i) Evaluation Criteria

Proposed Design team & experience 30% (response in Section B5)

Within section B5(i), insert a diagram depicting the team for this project & reporting lines.

Within section B5(i) for each key team member describe;

- Their Location
- The approximate allocation of FTE to this project
- Their experience relevant to this project (max 1 page per key team member)

Where the described relevant company experience is wider than the experience of the nominated personnel, please describe how the personnel (and the DCC) will be able to access and benefit from the Company experience.

Please ensure two referees are provided from the described company experience.

Methodology/Timeframes 40% (response in Section B3)

Within section B3(i) please describe the key stages in your methodology; we are looking for an understanding within each stage of the relevant issues, constraints, and opportunities.

Value for money 30%

- Price information as stipulated in Section B8
- Assumptions & Exclusions as detailed in Section B9

(ii) Evaluation Method

Provider responses will be assessed using Simple Weighted Attribute Method, standard DCC rating scale.

The MBIE RFP Process, Terms and Conditions will apply to this SoW selection process.

Part B (Response to Requirements) – The **Provider only** will complete this and provide this Part B to the DCC (via GETs or email as requested)

Instructions:

- All of your information must go into Part B. Part A is *only* for the DCC to complete.
- All writing in green is for guidance only – please **delete all Green instructions in Part B** once it is drafted
- All writing in blue indicates where you **MUST** provide information; N/A is acceptable where the section doesn't apply to your project (when stated in Part A).
- For smaller engagements some sections may not apply - please **do NOT delete any text in black**
- Failure to follow these instructions may render the response non-compliant.

Date of Submission	Date here	Provider Contact Name & Position	Write here
Provider Name	Write here	Provider Contact Email & Phone #	Write here
Consultancy Service/s required	Write here Please list the various consultancies that will be Provided		

1. Acceptance of Insurance and Liability Requirements

The Provider will confirm their acceptance of the Insurance requirements stipulated in Part A1 of this SoW. Failure to do so may render any response non-compliant.

Provider Name confirms acceptance

2. Acknowledgement of Project Objectives

This may be a statement simply acknowledging the objectives that have been stipulated in Part A2, or it can be an opportunity (particularly in a competitive environment) to provide an overarching summary of your offer, similar to a cover letter.

Describe the services/methodology to be delivered or simply acknowledge the project objectives that have been stipulated in Part A2.

3. Methodology and Milestones

- (i) *The Provider **must** review the Requirements stipulated in Part A and submit a description of the Services it is to provide to meet the described Objectives. Innovation is encouraged where appropriate.*

This may be a statement simply accepting the Requirements that have been stipulated in Part A3, or it can be an opportunity (particularly in a competitive environment) to more fully describe your proposed methodology.

Describe the services/methodology to be delivered or simply accept requirements described in Part A3 (Requirements and Milestones).

- (ii) *The Provider **must** use the Milestone table provided in Part A3(ii) to confirm the Deliverables and time for performance*

It is important to ensure that the Milestones committed here are realistic. Any change to Milestones in an executed SoW must be dealt with under a formal variation, or the DCC will have the right to suspend payment of Charges relating to this SoW (clause 3.6).

Service Deliverable	Timeframe	Key notes
Describe here	Describe here	Describe here
Describe here	Describe here	Describe here
Describe here	Describe here	Describe here
Describe here	Describe here	Describe here
Describe here	Describe here	Describe here
Describe here	Describe here	Describe here

(iii) The Provider **must** outline any risks and constraints associated with delivery of the Milestones. It is important to highlight these to the DCC at any early stage.

Describe risks or state that there are no risks/constraints in the timeframes for deliverables

4. Health and Safety Requirements

(i) Safety in Design. The Provider **must** review the Safety in Design requirements stipulated in Part A4, and if required describe how these will be delivered.

If Part A has requested that Safety in Design is required, or Provider to advise, please describe how you will meet these requirements in the Service delivery.

Describe how you will deliver SiD, or N/A if not requested in Part A

(ii) The Provider **must** review and accept any Health and Safety Risks stipulated in Part A4, and also describe how the H&S risks will be managed.

If there are no H&S risks described in Part A5 state so. If there are risks included you must confirm acceptance of those risks as a minimum, and ideally also describe how you will manage these risks in the delivery of your services.

State if there are no risks described or confirm acceptance of the risks (management description if possible)

(iii) The Provider **must** confirm if there is any physical work (manual labour, toil, work that requires physical effort or exertion) involved in the delivery of their services.

Any physical work that meets the criteria above must only be undertaken by a DCC approved 'medium/high' risk contractor. A list of registered Med-High risk contractors is available on request from health.safety@dcc.govt.nz

Confirm that there is no physical work involved or briefly describe the physical work that will be undertaken

5. Provider Project Structure & Reporting

(i) The Provider **must** list the key staff involved in providing the required Services. If required by the Evaluation criteria (section A10) this **may** need to be in the form of an organisational chart and **may** need to include information as to their location, FTE allocation, and relative experience.

Write or insert here

(ii) The Provider **must** clearly state if any services will be sub-contracted & to whom.

It is the expectation that any subcontractors are procured if possible from the DCC LTES Panel.

Specify contractors and services providing, or state there are no subcontractors

- (iii) The Provider **must** confirm that they will provide the reporting requested in Part A5. The Provider **may** also describe how reporting will be provided.

No reporting required **or** confirm will provide required reporting (description optional)

- (i) The Provider **may** document any internal quality control methods to be employed (e.g. internal review)

6. Risk Management

- (i) The Provider **must** acknowledge any Project Risk information noted in Part A6.

No Risks Described **or** acknowledge the Project Risks described

The Provider **may** confirm management strategies for any identified risks

The Provider **may** suggest adjustments to the summary of Project Risks in Part A6 (including additions)

7. Additional Information

- (ii) The Provider **must** list any information/documents that will need to be provided by the DCC in addition to those already stipulated in Part A7(i) and A7(ii)

This section is designed to ensure that DCC is aware of the all the documents you will require to provide the Services

No additional documents provide **or** list here

- (iii) The Provider **may** describe the systems used for managing information throughout the project and what/how DCC will access this

- (iv) The Provider **may** include any other information they believe relevant to consideration of their SoW response

8. Price

- (i) The Provider **must** confirm if they are willing to provide the Price in the form preferred by DCC (detailed in Part A8(i))

Total fixed Price (Lump Sum) or without fixed Price (estimate based on rates & hours)

- (ii) The Provider **must** submit a price in the format requested in Part A8(ii).

If a table has been provided in A8 ensure that this is used to provide the price in this section.

- (iii) Where Price is not fixed (estimate) the Provider **must** provide a a detailed breakdown of the workings behind the estimate. For total fixed Price (Lump Sum) the Provider **may** choose to also provide this.

Breakdown of estimate or N/A (total fixed price/lump sum only)

- (iv) The Provider **must** specify the rates that will apply to any Variations (may be less but not more than rates agreed in the Panel Contract).

Provide hourly rates against each project team member. Reference back to the Master Contract is *not* acceptable (not easily accessible to PMs & not specific to named personnel) .

(v) The Provider **must** confirm if any expenses (including disbursements) are included, and as per section 10.3 that they will be charged at the cost actually incurred (no margins or mark ups)
Confirm if expenses are included, and if so please itemise these

(vi) The Provider **may** submit an alternative price format for consideration

9. Assumptions and Exclusions

(i) The Provider **must** list any assumptions that have made in this submission

For example;

- Number of site visits
- Facilities for meetings
- Actions to be undertaken by DCC or other contractors

No assumptions made or list relevant assumptions

(ii) The Provider **must** specifically detail any elements that have been excluded from the offer.

No exclusions or list the exclusions
