HARRISON GRIERSON

Hobsonville Grove Plan Change

—

Integrated Transport Assessment

April 2024

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1 Introduction

1.1 Overview

Harrison Grierson Consultants Limited (HG) has been commissioned by Austino New Zealand Limited (Austino) to undertake an Integrated Transport Assessment (ITA) for the Hobsonville Grove Private Plan Change (PPC) application which comprises two 'blocks' of properties located in West Harbour, Auckland. The landholdings are shown in Figure 1 and the individual property details summarised in Table 1.

In this report, a part of the southern property holdings is referred to as Block 1 (incl. Precinct 1), located at 84 Hobsonville Road; and the northern property holdings as Block 2 / Precinct 2, located at 100 Hobsonville Road.

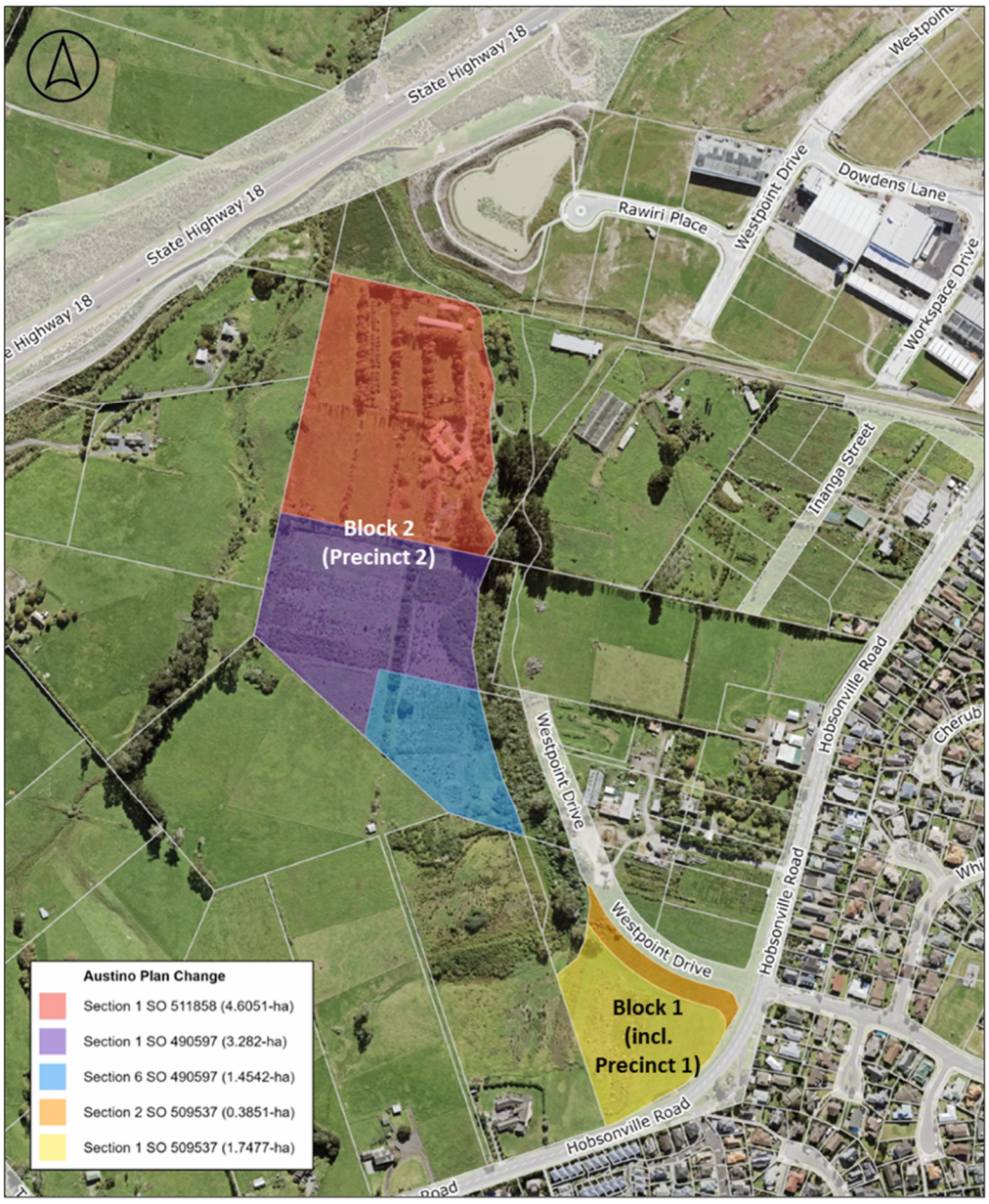

FIGURE 1: LOCALITY PLAN

Source: Grip, 2023

TABLE 1: PROPERTY PARTICULARS

Block / Precinct	Block 1 (Precinct 1 forms a part of Block 1)		Block 2 (Precinct 2)		
Appellation	Section 2 SO 509537	Section 1 SO 509537	Section 1 SO 511858	Section 1 SO 490597	Section 6 SO 490597
Address	84 Hobsonville Road, West Harbour, Auckland		1/100 Hobsonville Road, Hobsonville, Auckland		
Land District	North Auckland	North Auckland	North Auckland	North Auckland	North Auckland
Surveyed Area	0.3851 ha	1.7477 ha	4.6051 ha	3.282 ha	1.4542 ha
Calculated Area	0.3849 ha	1.7476 ha	4.6028 ha	3.2814 ha	1.4528 ha
Parcel Intent	Legalisation	Fee Simple Title	Fee Simple Title	Fee Simple Title	Fee Simple Title
Parcel ID	7783907	7783906	7790369	7651594	7651599
Statute	Land was acquired for open space, access, and stormwater purposes. NZ Gazette 2017, ln 3418	Fee Simple NZ Gazette 2017 ln 3418	Intention to take for Open Space, Walking & Cycling Access & Stormwater Purposes. NZ Gazette 2017, ln 4490	Fee Simple Title. NZ Gazette 2016, ln 531, Balance Land.	Fee Simple Title. NZ Gazette 2016, ln 531, Balance Land.
Owners	Auckland Council	Austino Hobsonville 2 Limited	Austino Hobsonville 1 Limited	Austino Hobsonville 2 Limited	Austino Hobsonville 2 Limited

Source: Grip, 2023

1.2 Proposal

The proposed plan change plan is shown in Figure 2. The proposed zoning changes are:

- **Block 1**: Proposed Plan Change of the Future Urban Zone and Open Space – Informal Recreation Zone to a Business – Light Industry Zone. **Precinct 1** refers to the area within Block 1 that is under consideration for the proposed plan change. Block 1 refers to the entire lot which includes the existing industrial zoning.

  Note: The section of Block 1 that is live zoned Light Industrial is owned by Austino and forms part of Block 1.

- **Block 2 / Precinct 2**: Proposed Plan Change of the Future Urban Zone to Business – Neighbourhood Centre Zone and Residential Zones, Mixed Housing Urban and Terrace Housing and Apartment Building.

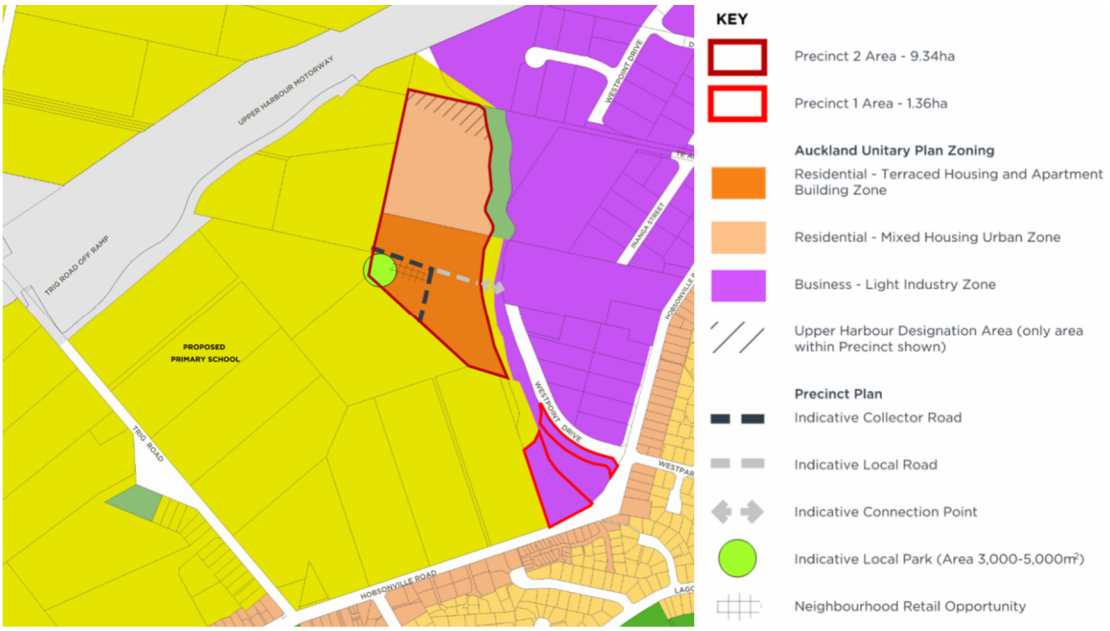

FIGURE 2: PROPOSED PLAN CHANGE PLAN

Source: Precinct Plan, 11 December 2023

Access to the plan change areas is proposed as:

- **Block 1:** Access to Block 1 exist on the eastern boundary of the site via Westpoint Drive.
- **Block 2:** Access to Block 2 currently does not exist and hence a local road connection over Rawiri Stream from Westpoint Drive is proposed.

The local road connection over Rawiri Stream is proposed as a bridge/culvert crossing and will be able to accommodate 2,000 vehicles per day. All vehicle trips generated by Block 1 and Block 2 will be distributed via the signalised intersection of Hobsonville Road and Westpoint Drive.

1.1 Scope

This ITA undertakes a review of the traffic and transportation matters related to the subject site and considers the impact of the proposed plan change on the local transport network. This report addresses the following matters:

- An assessment of the existing local road network for all modes, traffic volumes, and safety.
- An overview of the proposal's alignment and consistency with strategic policies and plan.
- A summary of the future transport environment including committed projects in the wider area.
- A description of the proposed plan change including high level access arrangements, walking and cycling outcomes, parking and loading demands and identification of any future connections and opportunities.
- An estimation of the trips likely to be generated by the proposed plan change and the ability of the current road network to accommodate the generated trips.

The findings of this report are that the proposed plan change at the subject site can be established without adversely impacting on the function, capacity, or safety of the surrounding road network in both the short and long-term.

2 Existing Transport Environment

2.1 Existing Site and Zoning

The subject site location in relation to the surrounding network is shown in Figure 3.

FIGURE 3: SURROUNDING ROAD NETWORK

The subject site is zoned 'Business - Light Industry Zone' (purple), 'Future Urban Zone' (yellow), and 'Open Space – Informal Recreation Zone' (green) in the AUPOP as shown in Figure 4.

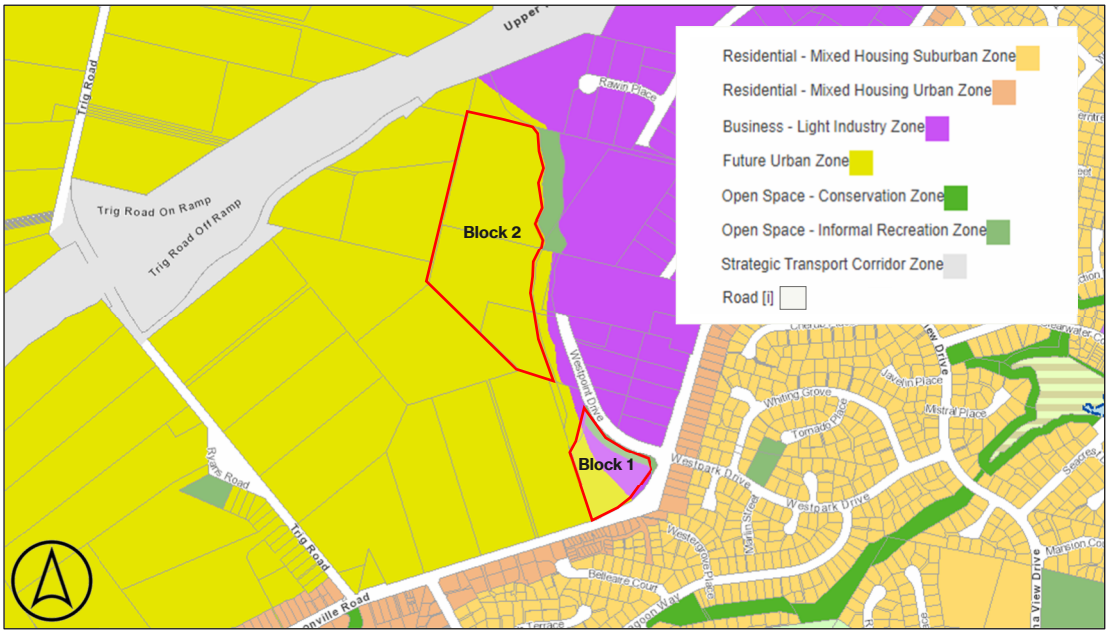

FIGURE 4: AUPOP ZONING

The subject site is largely vacant land.

Hobsonville Road forms the southern boundary of Block 1, which is identified as an Arterial Road in the AUP. This section of Hobsonville Road has been identified for road widening in a recent Notice of Requirement (NoR) by Auckland Transport. More detail around recent NORs are discussed in Section 3.

Land bordering the site to the west and north-west is rural and located within the Future Urban zone. Land to the north-east is located within the live Business – Light Industry zone. Land to the east and south of Hobsonville Road is predominantly residential, with lots containing single detached dwellings.

The subject site is located close to motorways State Highway 16 (SH16) and State Highway 18 (SH18). The Brigham Creek Road on-ramp and Trip Road on-ramp to SH18 is in proximity to the site, as well as Hobsonville Road on-ramp to SH16, allowing for easy access to Auckland's North Shore and to Auckland Central. Hobsonville Road provides connection to commercial and retail activity at Westgate to the south-west and Hobsonville Point to the north.

2.2 Existing Mode Share

The Census 2018 data (and visualised on the Commuter Waka website) summarises arrivals and departure data for the main means of travel to work and school. The existing mode share for the Hobsonville area is summarised in Table 2.

TABLE 2: EXISTING MODE SHARE (STATS.NZ)

Modes	**Auckland Average**	**Hobsonville - Arrival (519 people)**		**Hobsonville - Departure (420 people)**	
	%	%	Person Trip	%	Person Trip
Drive	52%	43%	223	57%	239
Passenger	14%	38%	197	16%	67
Bus	11%	2%	10	8%	34
Ferry	1%	0%	0	3%	13
Walk	9%	6%	31	5%	21
Cycle	1%	2%	10	1%	4
Train	3%	0%	0	0%	0
Other	9%	9%	47	11%	46

It is considered the existing mode share of the Hobsonville area reflects a typical mode share for suburban areas of Auckland. However, it can be seen the percentage of trips via bus and walking is lower than Auckland's average. Improvements in public transport services and walking facilities will be required for the area to see an increase in bus and walking mode share.

2.2.1 Arrivals

519 people (79% of arrivals) travel to Hobsonville for work & school, while **135 people (21% of arrivals)** also live & work/school within Hobsonville. People arrive from 14 different areas, the largest external origin being **West Harbour Clearwater Cove (162 people – 25% of arrivals)**. The most common way to arrive is as **a passenger in a car, truck, van, or company bus (38%)**.

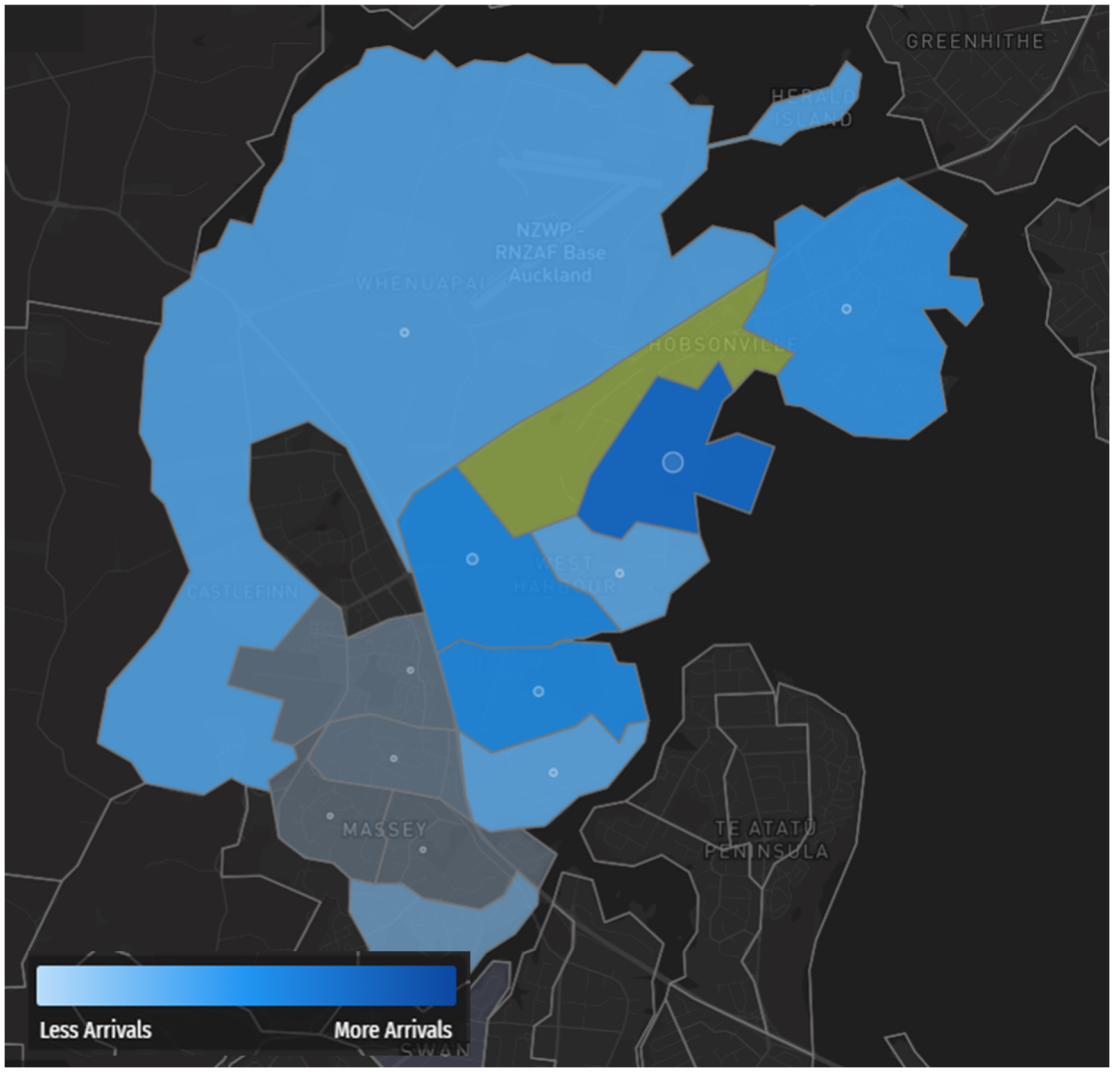

FIGURE 5: HOBSONVILLE ARRIVALS

Source: Commuter Waka https://commuter.waka.app/

2.2.2 Departures

420 people (76% of departures) travel from Hobsonville for work/school, while **135 people (24% of departures)** also live & work/school within Hobsonville. People travel to 28 different areas, the largest external destination being **Hobsonville Point – 14% of departures).** People in Hobsonville most often depart by **drive a private car, truck or van (46%)**.

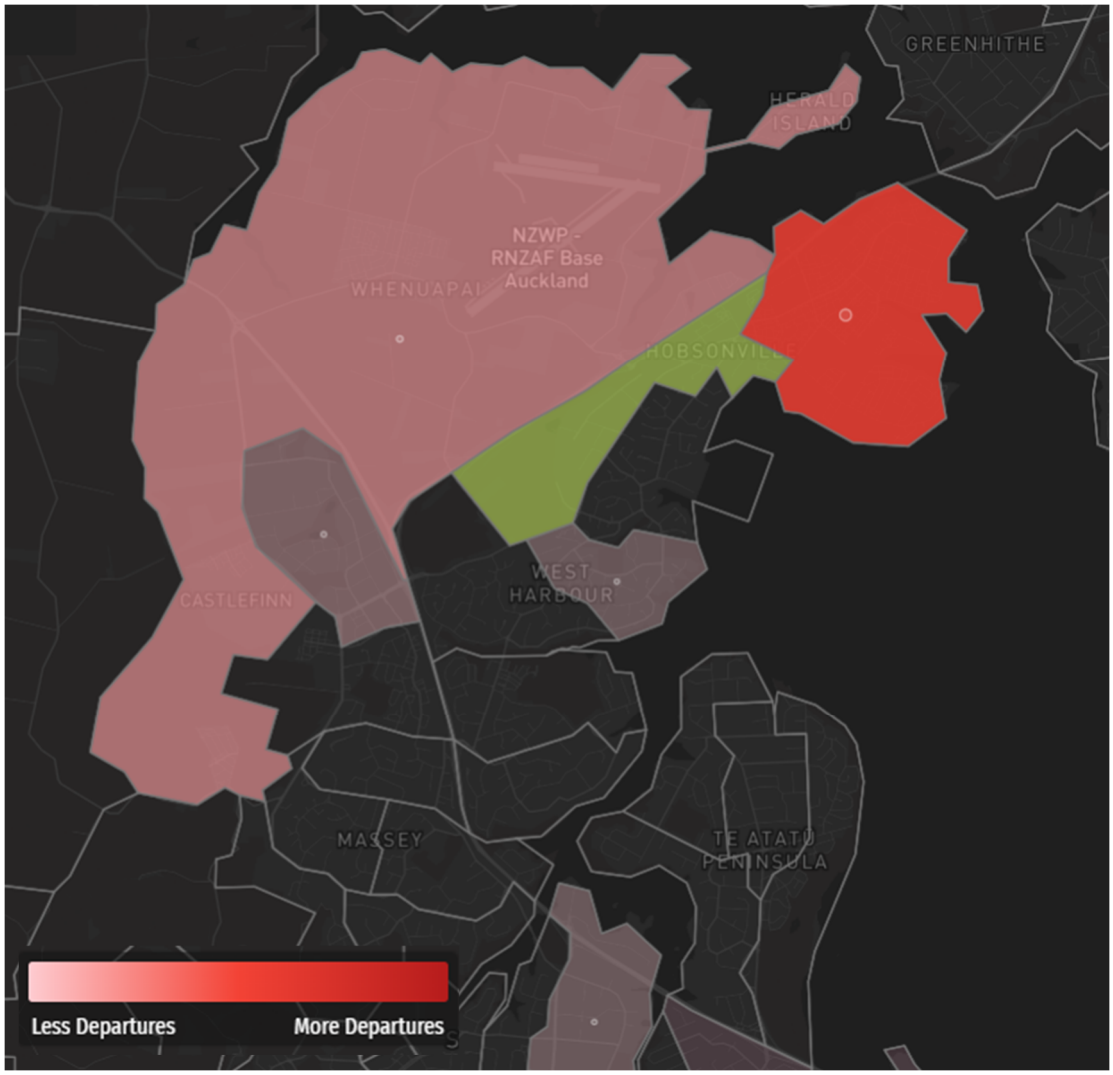

FIGURE 6: HOBSONVILLE DEPARTURES

Source: Commuter Waka https://commuter.waka.app/

2.3 Relevant Roads

Hobsonville Road is a two-way, two-lane road (one-lane in each direction) with a flush median. Directly south of the intersection of Hobsonville Road, Westpoint Drive, and Westpark Drive, NSAAT (No Stopping At All Times) lines extend 200 m. Directly north of the intersection NSAAT lines extend for 65 m.

Westpoint Drive is a relatively new road and construction finished in 2021-22. The road is the spine road that was identified in the I603.10.3. Hobsonville Corridor: Precinct plan 3 – Sub Precinct C (shown in Figure 7) and the two existing sections run parallel to Hobsonville Road. Once the middle section is completed, the two sections will link up providing a north-south connection. Westpoint Drive is likely to form an intersection with the future arterial road connection of Te Ahurea Street and Spedding Road.

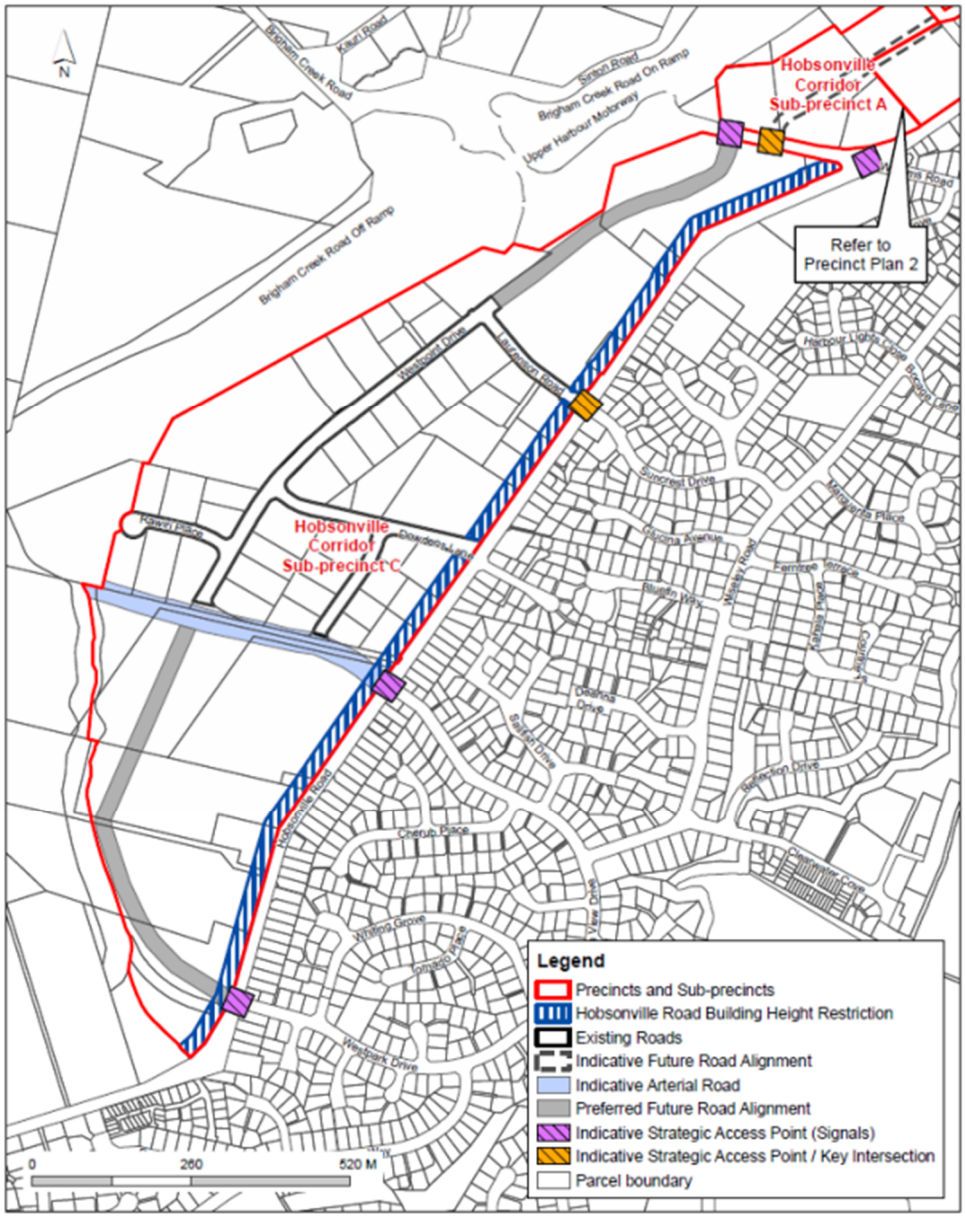

FIGURE 7: I603.10.3. HOBSONVILLE CORRIDOR: PRECINCT PLAN 3 – SUB PRECINCT C

Prior to this the intersection operated as a priority T-junction, with vehicles on Westpark Drive giving way to continuing traffic on Hobsonville Road. The intersection now operates as a signalised intersection. There are dedicated right-turn lanes on Hobsonville Road in both directions and dedicated left turn lanes on Westpoint Drive and Westpark Drive.

Westpoint Drive is a two-way, two-lane (one-lane in each direction) road with a flush Median. There are cycle lanes in both directions, and these are marked with NSAAT lines. There are parallel parking bays that can fit three vehicles, these are provided approximately every 40 m. The pedestrian and cyclist facilities on Westpoint Drive is discussed further in section 2.9.

2.4 Relevant Intersections

The signalised intersection of Hobsonville Road and Westpoint Drive is a relatively new signalised intersection that was built and opened in 2022. There are pedestrian/cycle crossing facilities and phases on all legs of the intersection.

2.5 Traffic Volumes

Auckland Transport routinely collects traffic volume data through their traffic counting programme based on road hierarchy and need. The latest traffic count data available for the roads near the site are summarised in Table 3.

The traffic volume on Hobsonville Road, between Luckens Road and Marina View Drive, is characterised by residential vehicle trips associated with the communities along, and east of Hobsonville Road.

Industrial land use west of Hobsonville Road will likely increase the vehicle share of light and heavy commercial vehicles in the future, as well as offering more local employment opportunities.

TABLE 3: TRAFFIC VOLUMES

Road Name	Carriageway Start Name	Carriageway End Name	Count Start Date	5 Day ADT	AM Peak Volume / Hour	PM Peak Volume / Hour	HCV %
Hobsonville Road	Luckens Road	Westpark Drive	23-Feb-2022	14,167	1,221 vph 8:15am	1,382 vph 4:30pm	9%
Hobsonville Road	Westpark Drive	Marina View Drive	23-Feb-2022	10,115	1,118 vph 8:15am	1,170 vph 4:30pm	5%
Westpoint Drive	No AT traffic count data available						
Westpark Road	Lagoon Way	Whiting Grove	08-Aug-2016	1947	800	1515	6%
Trig Road	Ryans Road	Motorway Overbridge (1st Abut)	09-Dec-2021	6887	645	1615	5%
Luckens Road	Hobsonville Road	Bernleigh Terrace	04-Dec-2021	8841	800	1645	5%
Marina View Drive	No AT traffic count data available						

2.6 SCATS Data

The Sydney Coordinated Adaptive Traffic System (SCATS) data was requested for the week of 17-21 July 2023 for the following intersections:

- Hobsonville Road / Westpoint Drive
- Hobsonville Road / Marina View Drive
- Hobsonville Road / Dowdens Lane

The average peak hour trips (AM and PM) for each intersection are summarised in Table 4. The AM peak is between 08:15-09:15 and the PM peak is between 16:30-17:30.

More detail around trips per approach and movement is provided in **Appendix 1.**

TABLE 4: SCATS DATA SUMMARY

Intersection	AM Peak Hour & Trips	PM Peak Hour & Trips
Hobsonville Road / Westpoint Drive	08:15-09:15 1,258 vph	16:30-17:30 1,479 vph
Hobsonville Road / Marina View Drive	08:15-09:15 1,246 vph	16:30-17:30 1,415 vph
Hobsonville Road / Dowdens Lane	08:15-09:15 1,594 vph	16:30-17:30 1,720 vph

2.7 Road Safety

Waka Kotahi NZ Transport Agency (NZTA) manages the Crash Analysis System (CAS). An investigation of CAS was completed for Westpoint Drive and for crashes within 100 m of the Hobsonville Road and Westpoint Drive intersection.

A five-year period was investigated, ranging from 2018 to 2023 (inclusive) as at Jun-2023. It is noted that the nature of the intersection changes during the search period. It is initially a priority T-intersection until mid-2020, then becomes a signalised T-intersection during construction, until mid-2022, where in operates as a signalised crossroads intersection.

This search revealed two (2) non-injury crashes and two (2) minor injury crashes. Three of the four crashes are loss of control crashes and the dominant causes for these crashes are related to drive error and/or weather conditions, or a combination thereof. The final crash was caused by a failure to give way to traffic continuing straight.

The plain English Reports are included in **Appendix 2**. The collision diagram in Figure 8 provides a visual representation of the crash results.

It is considered there are no apparent road design and/or environmental factors that have contributed to past crashes at this intersection or along Westpoint Drive.

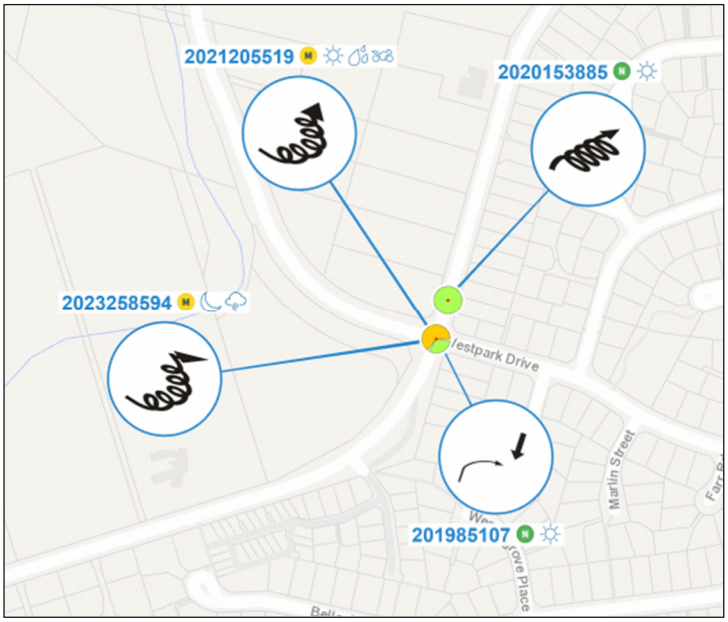

FIGURE 8: COLLISION DIAGRAM

Source: CAS (NZTA, 2023)

2.8 Public Transport

The subject site is located on the No. 120 Connector Service bus route from Constellation Station to Henderson via Westgate (dark green line in Figure 9). The service runs every 30 minutes, 7 a.m. to 7 p.m., 7 days a week, with higher frequencies during peak hours (every 20 minutes) and lower frequencies during the early morning and evenings. A pair of bus stops are located 50 m north and 200 m south of the Hobsonville Road intersection with Westpoint Drive, the future point of access for the proposed subject site.

FIGURE 9: HOBSONVILLE PUBLIC TRANSPORT ROUTE MAP

Source: Auckland Transport, 2024

A new bus network has been introduced to West and Northwest Auckland in November 2023. The interim WX1 Western Express is a Rapid Transit Network (RTN) connecting Westgate to the City Centre via the new Lincoln and Te Atatu bus interchanges. Hence there are now two services offering similar travel times to the City Centre: via Constellation Station on the Northern busway or the new Western Express (WX1) service from Westgate station.

The new WX1 runs every 10 minutes from 7am to 7pm, 7 days a week and every 15 minutes early mornings and late evenings. The first service from Westgate starts at 5am weekdays and 6am weekends. The last service leaves the City Centre at midnight. Westgate to Britomart takes approximately 50 minutes in morning peak, 40 minutes at midday, and 35 minutes late evenings. An upgraded station is planned for the Westgate station.

Other new services within the area include the following:

- New 11T and 11W services running between Westgate and the City Centre, going via Great North Road through Point Chevalier, Western Springs and Grey Lynn, combined to run every 10 minutes at peak.

- The new 13 service connects Te Atatu and Henderson via Te Atatu Bus Interchange every 8 minutes at peak and every 10 to15 minutes outside peak, from 5am until midnight.
- All-day frequency of local routes has been increased and most buses run later in the evenings, giving better connections all across West Auckland.

To access the West Harbour and/or Hobsonville Point Ferry Terminals from the subject site, one must walk (approximately 15-20 minutes to West Harbour), or transfer from the No. 120 Service to the No. 112 or No. 114 Service to reach Hobsonville Point. These ferry services run every 20 minutes during peak periods.

Overall, there has been substantial investment and improvement in the public transport network in the vicinity of the site. This reflects the strategic direction within the policies and plans for the area that are elaborated in section 3. It can hence be considered the site is currently located relatively close to multiple public transport options for employees, residents, and visitors / customers to access the site and access other activities in Auckland; and more investment into public transport can be expected in the future. Section 4 further discusses the future transport environment.

2.9 Pedestrian and Cyclist Facilities

As discussed in Section 2.3, there are cycle lanes present on Westpoint Drive. However, it is acknowledged that the existing cycle facilities on Westpoint Drive are not built to current Auckland Transport engineering standards. These cycle facilities were designed and constructed to the standards that applied at the time and will not be reconstructed to meet current standards as part of the PPC.

It is acknowledged the on-road cycle lanes do not have appropriate separation from the vehicle lanes as separation is a white painted line. Although the cycle facilities do not meet current Council standards, the existing cycle lanes (1.8 m) are in a good condition. They are clearly marked, vehicles cannot park on them, and the carriageway consists of a flush median providing adequate space for vehicles wishing to pass. The minor increase in cyclists using the facilities on Westpoint Drive is considered adequate in terms of operation and safety.

The pedestrian facilities on Westpoint Drive are also of decent quality. The intersection of Westpoint Drive and Hobsonville Road also has relatively good pedestrian and cycle facilities including dedicated cycle crossing signals and shared paths in the immediate area around the intersection.

3 Strategic Context

3.1 Plans & Policy

The following strategic plans and policies were reviewed as part of the assessment and included in **Appendix 3**.

- National Policy Statement on Urban Development (NPS-UD)
- Government Policy Statement on Land Transport (GPS)
- National Land Transport Programme (NLTP)
- Regional Land Transport Plan (RLTP)
- Regional Public Transport Plan (RPTP)
- The Auckland Plan
- Auckland Transport Alignment Project (ATAP)
- Vision Zero for Tāmaki-Makaurau
- Auckland Transport – Roads and Streets Framework
- Auckland Climate Plan
- Transport Emissions Reduction Pathway (TERP)
- Draft Kotoa, Ka Ora: Auckland Speed Management Plan
- Future Development Strategy (Section 4.1).

3.2 Relevant Investigations

Following a review of the strategic context, the following were considered as relevant for the Hobsonville Grove PPC to consider:

- Upper Harbour Local Board Plan 2023
- Auckland Transport Future Connect
- Auckland Transport Parking Plan

3.2.1 Upper Harbour Local Board Plan 2023

The Upper Harbour Local Board Plan 2023 focuses on five principal areas: Our People, Our Environment, Our Community, Our Places and Our Economy.

Our people: *Our goal is to create an inclusive and connected community, adapting to the changing needs of our growing diverse population and ensuring everyone has a voice in decisions that affect them.*

Our environment: *Upper Harbour is an area with unique natural landscaped. We will continue to work alongside our volunteers and community to enhance and protect our natural environment.*

Our community: *Our commitment is to provide access to well-maintained sports fields, parks, coastal amenities, and community facilities for everyone.*

Our places: *With better planning and appropriate infrastructure, we aspire to create an area that allows our residents to easily connect between each other and within their neighbourhoods.*

Our economy: *We will continue to support our local businesses and communities to create a thriving, resilient and sustainable economy.*

3.2.2 Auckland Transport Future Connect

Future Connect serves as Auckland Transport's comprehensive long-term transportation network plan. It highlights key components of the transport system and pinpoints critical challenges and prospects. This strategic insight informs the development of the Regional Land Transport Plan (RLTP), guiding the 10-year investment program.

The following figures show the current and first decade modal priorities for the transportation network surrounding Hobsonville Grove.

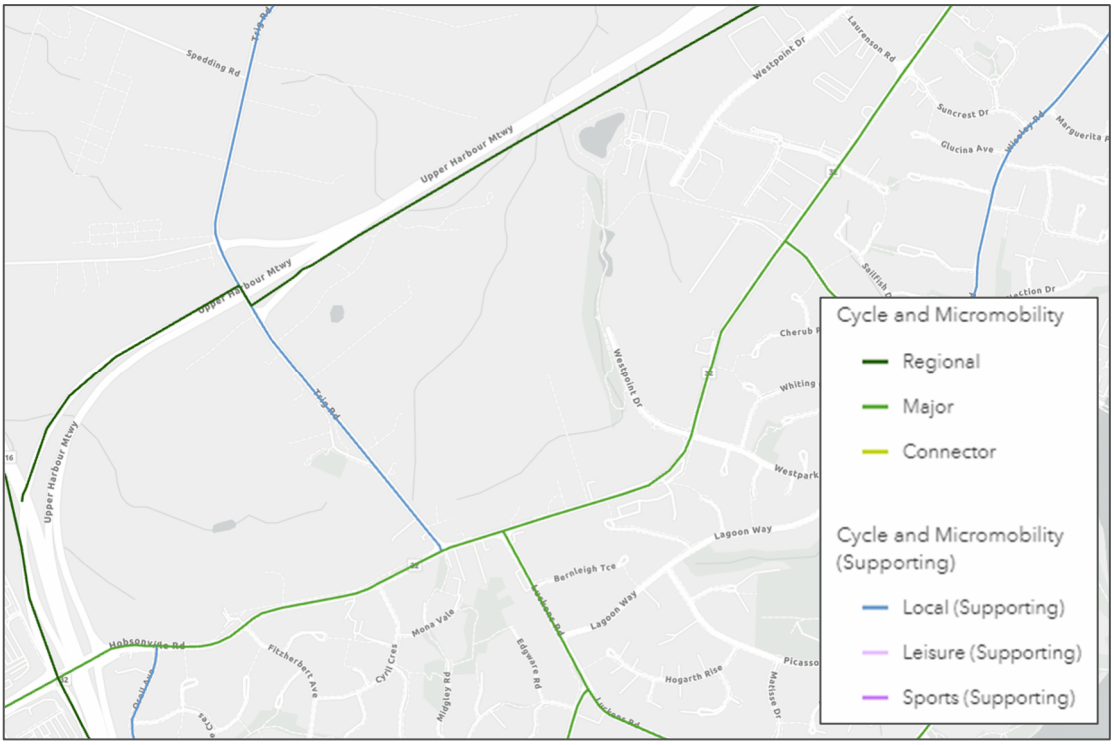

FIGURE 10: FUTURE CONNECT – CYCLE AND MICROMOBILITY (CURRENT & FIRST DECADE)

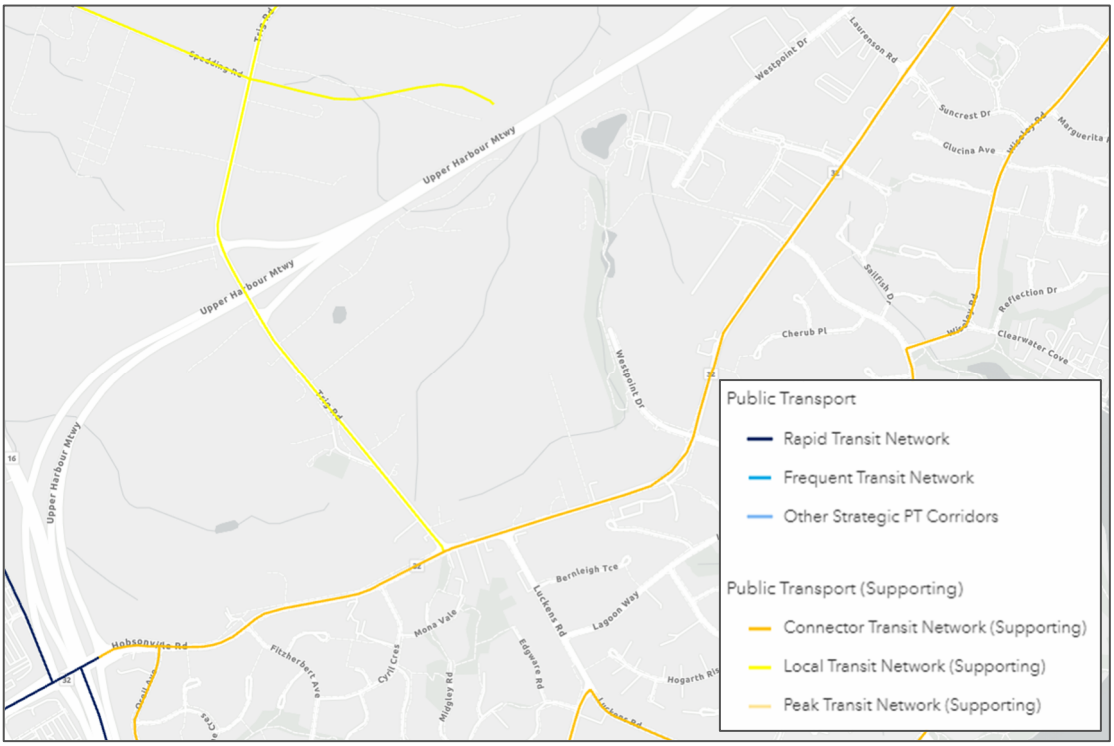

FIGURE 11: FUTURE CONNECT – PUBLIC TRANSPORT (CURRENT)

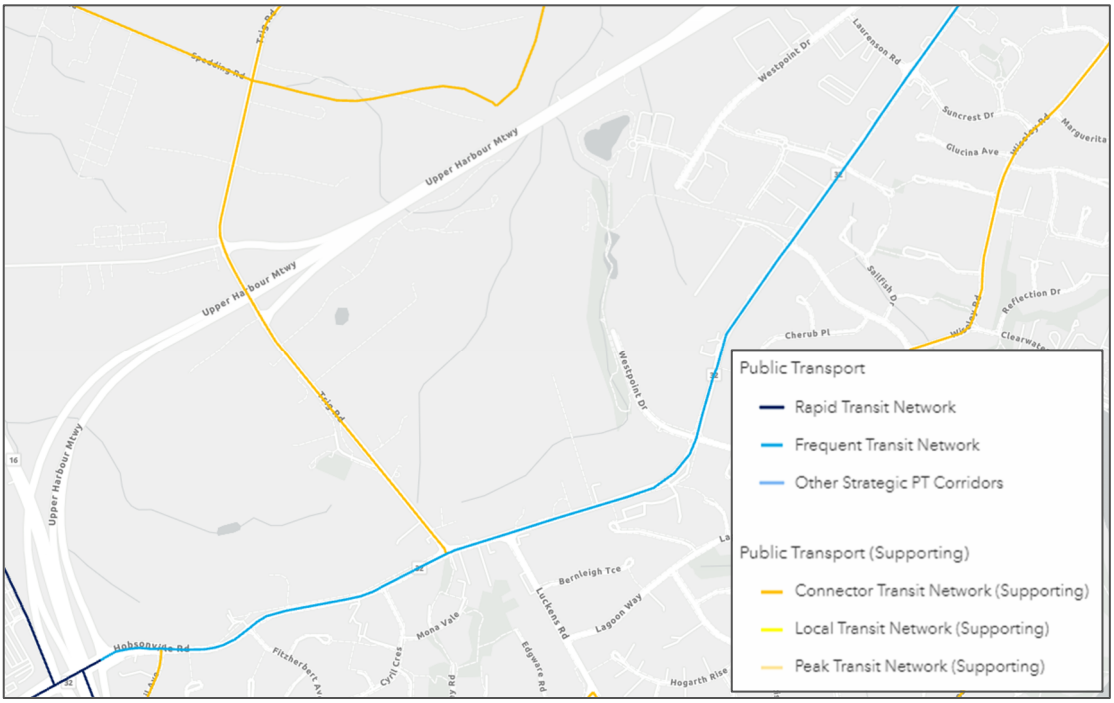

FIGURE 12: FUTURE CONNECT – PUBLIC TRANSPORT (FIRST DECADE)

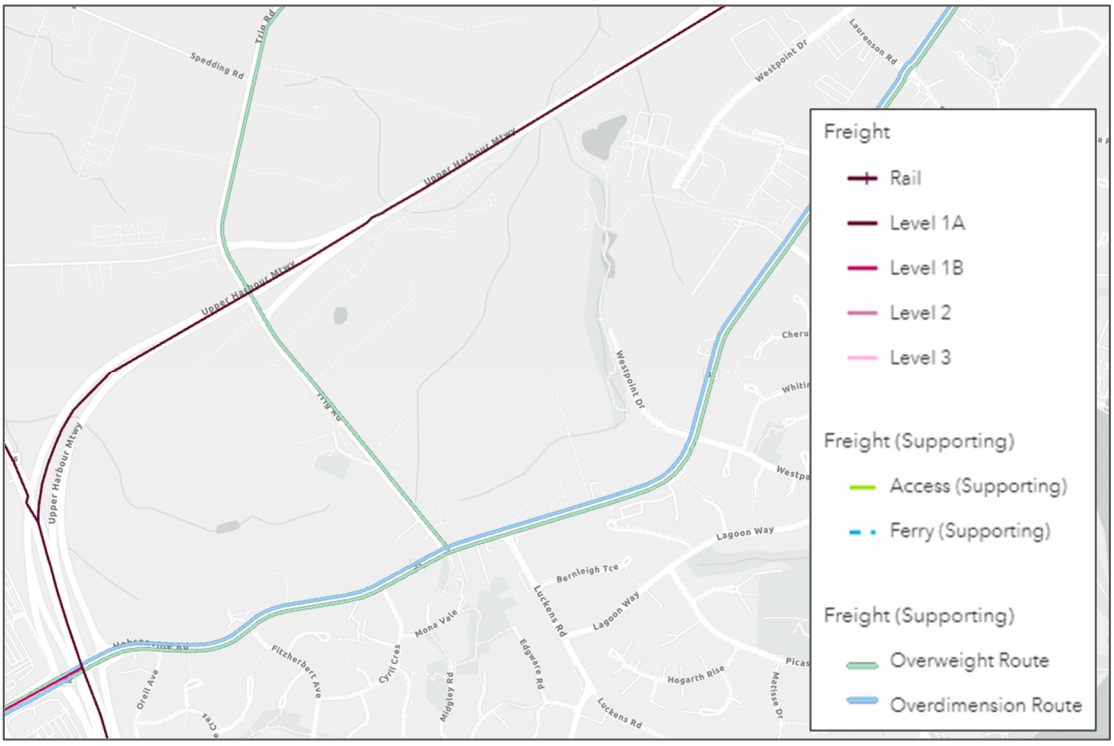

FIGURE 13: FUTURE CONNECT – FREIGHT (CURRENT & FIRST DECADE)

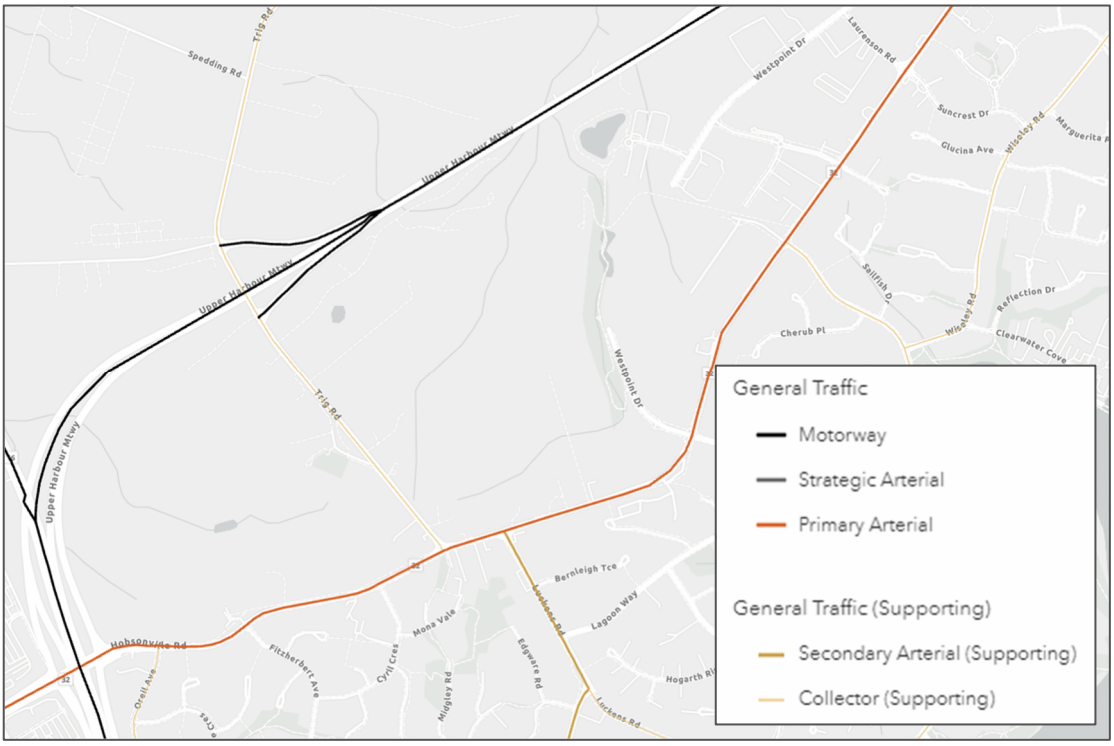

FIGURE 14: FUTURE CONNECT – GENERAL TRAFFIC (CURRENT)

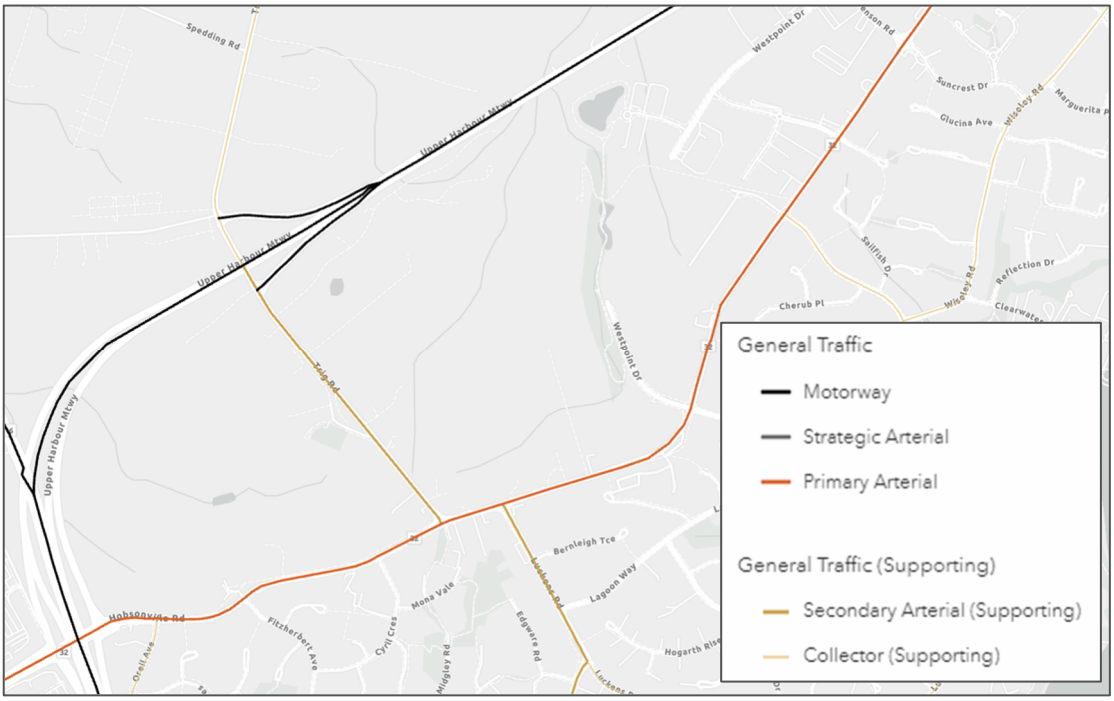

FIGURE 15: FUTURE CONNECT – GENERAL TRAFFIC (FIRST DECADE)

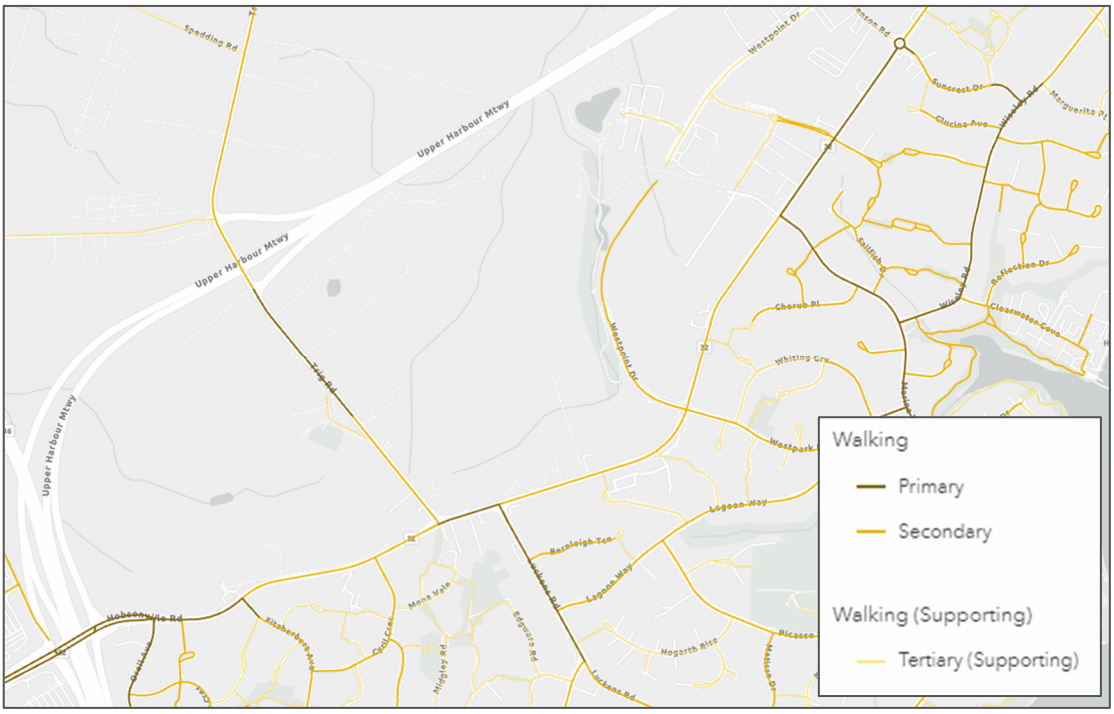

FIGURE 16: FUTURE CONNECT – WALKING (CURRENT & FIRST DECADE)

3.2.3 Auckland Transport Parking Plan

To ensure that parking is managed in the right way, for the benefit of all Aucklanders, and the region itself, Auckland Transport have developed Room to Move: Tāmaki Makaurau Auckland's Parking Strategy 2023, to replace the 2015 Auckland Transport Parking Strategy. The Strategy recognises that not all of Auckland is ready for major changes in the way that parking is managed, and so targets interventions in the key roads and key centres where change is most urgent.

The re-introduced Tier system classifies areas as: Tier 1 (Low Readiness for Change), Tier 2 (Moderate Readiness for Change) and Tier 3 (High Readiness for Change). For the West Harbour area and the area around Whenuapai and Hobsonville, most roads are within the Tier 1 category. Tier 1 focuses on managing parking responsively by responding to issues as they arise.

3.3 Consistency with Strategy

The Hobsonville Grove PPC aligns with strategic policies and plans as the proposal ensures integration into the urban environment and adherence to overarching objectives. It adheres to the National Policy Statement on Urban Development (NPS-UD), which highlights the importance of well-functioning urban environments supporting social, economic, and cultural wellbeing. This includes efforts to enhance housing affordability and consider factors such as employment opportunities, public transport accessibility, and demand for housing and business land.

Furthermore, the proposal aligns with the Government Policy Statement on Land Transport (GPS), prioritising sustainable urban development. It aims to increase housing supply and affordability while promoting low-carbon transport options, in line with the GPS objectives.

The proposal is in accordance with the Auckland Plan, providing a long-term spatial framework for the city's growth and development. It emphasises the importance of improving transport and access through integrated strategies and low-emission options, which are key components of the Hobsonville Grove PPC.

The Auckland Transport Alignment Project (ATAP) provides further guidance by identifying priorities for transport investment, including optimising existing infrastructure, enhancing resilience, and prioritising safety. The proposal aligns with these priorities, contributing to the overall objectives of the ATAP.

Additionally, the proposal supports the Vision Zero initiative, aiming to eliminate deaths and serious injuries on the transport system by 2050 through strategic planning and design. It also aligns with the Auckland Climate Plan, which sets targets for reducing emissions and promoting sustainable travel options, emphasising the importance of public transport, walking, and cycling.

The proposal supports the Draft Kotoa, Ka Ora: Auckland Speed Management Plan, highlighting the importance of safe speeds in ensuring road safety, particularly in residential areas. By adhering to proposed speed changes and promoting safe neighbourhood zones, the proposal contributes to creating a safer environment for residents.

In summary, the Hobsonville Grove PPC demonstrates alignment with strategic policies and plans in Auckland, prioritising sustainability, affordability, accessibility, and safety while integrating with broader urban development objectives outlined in various policy documents.

4 Future Transport Environment

4.1 Future Development Strategy

In accordance with the 2020 National Policy Statement on Urban Development (NPS-UD), the Future Development Strategy (FDS) aims to foster integrated, long-term strategic planning. Its goal is to assist the council in establishing a high-level vision for managing urban growth over an extended period, while also pinpointing strategic priorities to guide decisions related to various development aspects. It aims to:

- *achieve well-functioning urban environments*
- *ensure there is sufficient development capacity*
- *integrate planning and infrastructure planning and funding.*

The recently revised FDS reassesses all future urban areas (FUA) that had not been live zoned as of 2023. The reassessment evaluated the appropriateness for future growth in these areas and proposes new timing and approach for each FUA.

In terms of the Whenuapai East FUA, which includes the subject site, the new FDS timing is 2035+ which is when the infrastructure required to service the full build-out of the area is likely to be implemented.

Also summarised in the FDS is a suite of prerequisite infrastructure requirements for each FUA. The development of Whenuapai East require the following transportation infrastructure:

- *Brigham Creek Road upgrade*
- *SH16 to SH18 Connections*
- *Hobsonville Road Upgrade*
- *Upper Harbour (SH18) Rapid Transit*

Although the plan change proceeds ahead of the transport infrastructure prerequisites set out in the FDA for Whenuapai East, the conclusions of this ITA report demonstrates that the PPC does not rely upon improvements to the transportation network.

4.2 Te Tupu Ngātahi Supporting Growth Programme

As part of the Te Tupu Ngātahi Supporting Growth Programme (Te Tupu Ngātahi), projects were identified for the North West Local Arterial Network (the 'Whenuapai Assessment Package'). The Whenuapai Assessment Package includes five (5) projects and related Notices of Requirement (NoRs). In this case the NoRs designate land for future transport infrastructure, which is required for transport corridors.

The five (5) NoRs in identified in Te Tupu Ngātahi Whenuapai Assessment Package are listed here and shown in Figure 17:

(1) NoR W1 – Trig Road North

Upgrade of Trig Road corridor to a 24m wide two-lane urban arterial cross-section with separated active mode facilities on both sides of the corridor.

(2) NoR W2 – Māmari Road

Extension and upgrade of Māmari Road corridor to a 30m wide four-lane urban arterial cross-section providing bus priority lanes and separated active mode facilities on both sides of the corridor.

(3) NoR W3 – Brigham Creek Road

Upgrade of Brigham Creek Road corridor to a 30m wide four-lane arterial cross-section with separated active mode facilities on both sides of the corridor.

(4) NoR W4 – Spedding Road

Upgrade of the existing Spedding Road corridor and new east and west extensions to form a 24m wide two-lane arterial with separated active mode facilities on both sides of the corridor.

(5) NoR W5 – Hobsonville Road (alteration to existing designation 1437)

Alteration of the existing Hobsonville Road designation 1437 to provide for the widening of the Hobsonville Road corridor between Oriel Avenue and Memorial Park Lane.

Upgrade of sections of Hobsonville Road corridor to a 30m wide four-lane cross section with separated active mode facilities on both sides of the corridor

Upgrade of sections of Hobsonville Road corridor to a 24m wide two-lane cross section with separated active mode facilities on both sides of the corridor.

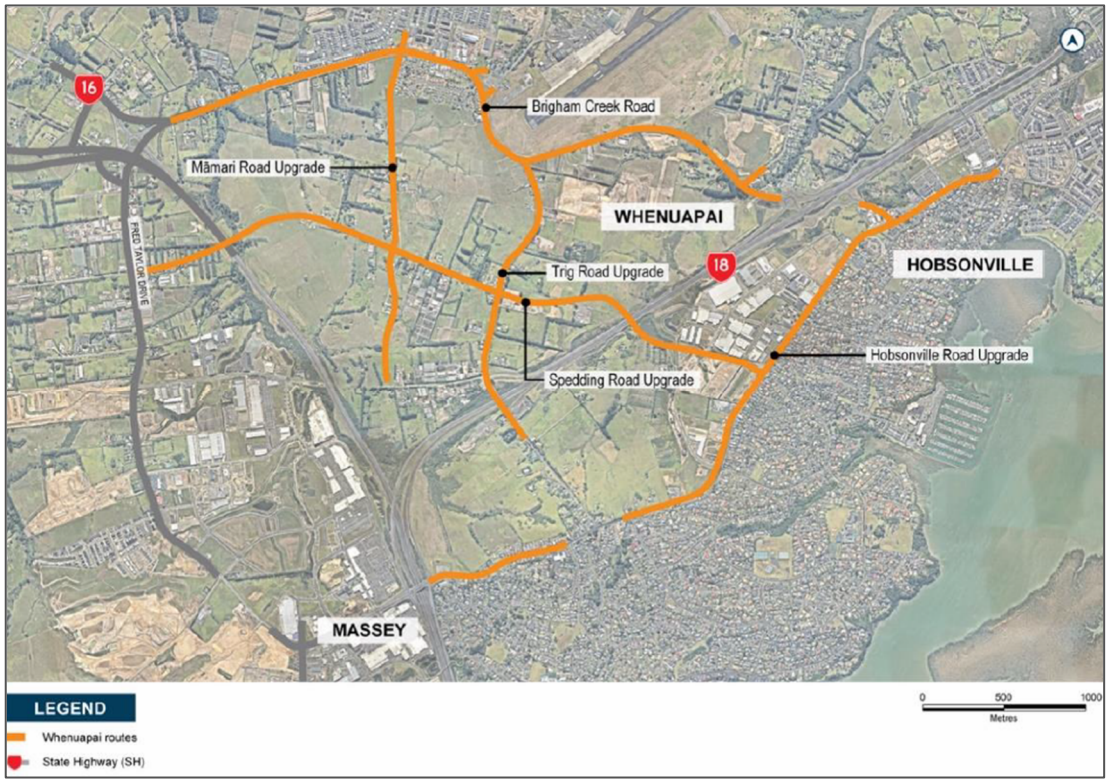

FIGURE 17: NORTH WEST WHENUAPAI ASSESSMENT PACKAGE

Source: Te Tupu Ngātahi 'North West Whenuapai Assessment of Transport Effects' 16/12/2022

The Spedding Road Upgrade and the Hobsonville Road Upgrade borders the south and northern boundary of Austino's Plan Change area, respectively, which will provide more transport options going forward. Additionally, the Trig Road project between SH18 off-ramps and Hobsonville Road

has also been identified in the Supporting Growth Programme as a future arterial corridor that is needed to support the urban development of Whenuapai. It is considered continuous engagement with Supporting Growth will be vital to identify opportunities to provide connections.

Funding for the upgrade of Trig Road between Hobsonville Road and State Highway 18 (SH18) has been identified in the Regional Land Transport Plan and as such AT are also applying for the necessary resource consents under the RMA, concurrently with the NoR process.

The Project consists of the widening and upgrade of Trig Road between the SH18 off-ramps and Hobsonville Road. The widening has capacity to provide for a two-lane arterial standard corridor including new footpaths on both sides of the road and a cycleway which is indicatively shown as a dedicated bi-direction cycleway on the eastern side of the corridor. The Project will upgrade the current rural standard corridor to an urban standard, which is appropriate to support the soon to be urban environment on either side of Trig Road.

To tie into the existing road network, the Project also includes the signalisation of the intersections at Trig Road/Hobsonville Road and Luckens Road/Hobsonville Road and the upgrade of Hobsonville Road between these intersections. This will require some localised widening of the road corridor along Hobsonville Road. To tie into the northern section of Trig Road, the line markings on the existing road corridor will be remarked. An overview of the design is provided in Figure 18.

FIGURE 18: TRIG ROAD CORRIDOR UPGRADE

Source: Te Tupu Ngātahi 'Trig Road Assessment of Transport Effects' December 2022

Although the upgrades proposed in the wider network is expected to enhance the movement of people, the projects discussed are not considered a requirement for Hobsonville Grove as the plan change area can be serviced and accommodated by the existing transportation network.

4.2.1 NoR 1-5 – Assessment of Transport Effects

A transportation assessment (North West Whenuapai Assessment of Transport Effects December 2022) has been prepared for the NoRs identified. The anticipated transportation effects were assessed using:

- *Transportation planning assessment of expected outcomes and effects;*
- *Transportation modelling to inform demands and network performance; and*
- *Alignment with various policy documents.*

Overall, the assessment of the transportation effects shows each project to provide positive transport effects and no identified adverse effects. The projects provided positive operational effect, in particular improved safety, walking and cycling effects.

4.3 Committed Projects

There are committed infrastructure upgrades planned in the Auckland Transport Alignment Project 2.0 (ATAP) and the Regional Land Transport Plan (RLTP) for the North West network.

It is known Te Tupu Ngātahi Supporting Growth Programme (Te Tupu Ngātahi) have taken committed projects into account when undertaking the modelling for the area.

The strategic projects within ATAP and RLTP that were considered appropriate to be included in the North West Do Minimum are shown in Figure 19 and include the following:

- *SH16 Brigham Creek to Waimauku project currently being delivered by Waka Kotahi.*
- *Full implementation of the NWRTN from the City Centre to a Brigham Creek station (City Centre to Westgate (CC2W) project).*
- *SH18 Rapid transit corridor between Westgate and Constellation.*
- *SH16 to SH18 Connections improvements.*

These align with the infrastructure requirements identified for the Whenuapai East FUA in the FDS.

FIGURE 19: NORTH WEST DO MINIMUM STRATEGIC PROJECTS

Source: Te Tupu Ngātahi 'North West Whenuapai Assessment of Transport Effects' 16/12/2022

4.4 Future Public Transport Network

As per Auckland's 2023-2031 Regional Public Transport Plan (RPTP) the Northwest bus improvements include the following:

- AT will build on services introduced in late 2023 for Northwest Auckland, including the new Western Express (WX1) service, AT will continue to make improvements to services in the area. This will include refining service levels to better cater for demand, including through the introduction of low-emission double-deck buses on the WX1 (estimated from 2025).
- AT will also monitor and make improvements to other services in the wider area, including upgrading the current route 120 to be a frequent service, route 12, connecting Henderson, Westgate, Upper Harbour and Constellation Station. New services will also be introduced to service growth in the area (including around Whenuapai and Redhills). The new FTN is proposed to run more directly towards constellation station, by skipping upper Harbour Drive and Unsworth Heights.
- 902 – Upper Harbour Drive is a new Connector route servicing Orwell Road, Upper Harbour Drive, Sunset Road and Constellation Station from 2025 to cover Upper Harbour Drive after introduction of route 12.
- A new bus station at the Northwest Centre, gifted the name Pukewhakataratara by mana whenua, will also be constructed to improve amenity for customers as well as improve operational efficiency of services.

The Whenuapai Structure Plan places a future RTN Station on the north-western side of SH18, at the Whenuapai end of the future road connection from the Hobsonville Road/Marina Drive intersection.

Overall, the subject site is located relatively close to multiple public transport options for future employees, residents, and visitors / customers to access the site and access other activities in Auckland. Public transport connectivity is expected to improve with the development of nearby Hobsonville Point and Whenuapai.

4.5 Hobsonville Road Cycle Lane

There is currently a plan by Auckland Transport to provide cycle facilities along the entire extent of Hobsonville Road. This plan is being actively worked on by Auckland Transport. Consultation on the draft plan has closed on 30 June 2023, finalised detailed design is scheduled to be completed by early 2024 and construction is expected to begin mid-2024. An excerpt of draft plan for the intersection of Hobsonville Road and Westpoint Drive is included in Figure 20.

It is considered that the NOR will adequately future proof the active mode facilities that are proposed within the NOR supporting documents, and to ensure that any future developments integrate with the proposed facilities.

The relevant section to this PPC is the arrangement proposed around the Hobsonville Road and Westpoint Drive intersection. AT's draft plan is to retain the shared paths around the intersection and link these to on-road cycle lanes with separators for Hobsonville Road. The existing cycle lanes on Westpoint Drive is unchanged and there are no cycle facilities proposed for Westpark Drive.

FIGURE 20: DRAFT PLANS FOR HOBSONVILLE ROAD CYCLE LANE

Source: Auckland Transport, 2023

4.6 Austino Projects

With the subdivision of 100 Hobsonville Road, Austino is contributing to the construction of an intersection on Te Ahurea Street, by means of the following:

Contributing both land and infrastructure to transport infrastructure as follows:

- *Vesting, at no cost to Council, Section 2 of 0.2716 ha as part of the land required to construct Spedding Road/Hobsonville corridor; (see Figure 21)*
- *Vesting, as no cost to Council, Section 4 of 0.0121 ha as part of the land required for Hobsonville Road upgrade (alteration to the existing designation 1437).*
- *Constructing, at no cost to Council, the intersection at Workspace Drive and Spedding Road/Hobsonville corridor;*
- *Constructing walking and cycling path connections to Block 2 where appropriate, e.g. connection to Westpoint Drive, and a walking/cycling connection(s) to the future Spedding Road overbridge.*

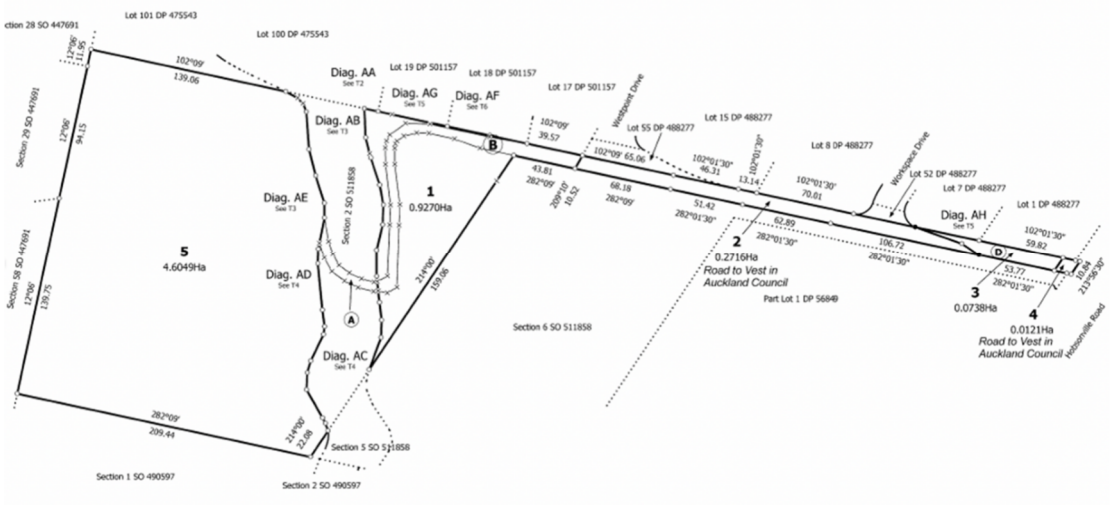

FIGURE 21: LOT 100 HOBSONVILLE ROAD

Overall, it is considered the combined infrastructure plans for the future transportation environment is preparing for the expected growth and intensification in the area. Many of the projects align and fit together to provide a strong transportation outcome, particularly for public transport, safety and an uplift in walking and cycling.

5 Consultation with Auckland Transport

Pre-application consultation with Auckland Council and Auckland Transport occurred throughout 2022 and 2023.

Following the meetings, HG provided a technical memo (dated 1 November 2022) summarising the preliminary modelling results of the proposed plan change. Auckland Transport reviewed the technical memo and provided comments via email on 23 November 2022.

The Auckland Transport comments and HG response as summarised in Table 5 below. The feedback received from AT was taken into consideration in preparing this ITA report.

TABLE 5: AUCKLAND TRANSPORT COMMENTS AND HG RESPONSE

AT Comments	HG Response
Trip generation of 50 trips in the peak hour is fine for industrial activity in Block 1	Noted
Trip generation of 175 trips in the peak hour is a bit 'light' and I would prefer using an average of 0.65 trips per dwelling (some will be 3 bedrooms+, some will be smaller) and on average, 0.65 is about right for sites like this with no nearby RTN/FTN. So, I would like to see the modelling for the residential activity allow for some 228 trips in the peak hour (for 350 dwellings).	Trip generation rates for residential activity has been revised to reflect this comment. Please see Section 8.5 for details.
I couldn't replicate the results HG got in Table 2 so need a bit more info in regard to how they modelled the intersection (phasing cycle time, phasing, pedestrians, priorities etc)	Details from SCATS for traffic signal phasing, cycle time, pedestrian volume, and priority settings (as used in SIDRA Intersection) are provided in **Appendix 1** and SIDRA modelling parameters are shown in **Appendix 5**.
For the future analysis, need to understand general assumptions to the modelling – does Westpoint Drive connect around, if not, what is the western leg of intersection serving – existing plus Austino blocks, or existing plus Austino blocks and the undeveloped blocks at 70-78 Hobsonville Road, 21-27 Trig Road and 82/82A Hobsonville Road? Just need to be realistic on the volumes they will carry of Westpoint Drive does not connect up initially – would also be good to understand what happens when Westpoint Drive does connect, does this result in additional traffic volumes? Note, I raise 21-27 Trig Road as the Te Tupu Ngātahi road alignment north of the site is rising to a bridge structure so those lots won't be able to access it.	It has been assumed that Westpoint Drive will not connect around in the two scenarios evaluated, hence representing a conservative approach. The western leg is modelled to serve the subject site and the industrial activities. Once the full extent of Westpoint Drive has been constructed, a moderate level of traffic redistribution to the intersections along Hobsonville Road will occur as a result of the additional through connectivity via the southern section of Westpoint Drive.
Hobsonville Road should be modelled with future year traffic volumes – I would suggest 2028 volumes obtained from Te Tupu Ngātahi. I know there is a	Agree, 2028 volumes from Te Tupu Ngātahi have been received and used in the traffic modelling exercise in Section 8.

AT Comments	HG Response
2028 model for AM and PM peak periods so it should a simple process requesting this.	
Need to understand how the Austino traffic etc on western leg of intersection is distributed. For review purposes, can HG please prepare a figure showing the additional traffic movements distributed at the intersection (and comments on arrival/departure split and directional splits so I can understand how the models have been derived).	All requested information is provided in Section 8.

Other notes following the consultation with AT:

- The traffic modelling methodology has been agreed with Mike Nixon (from Commute and acting on behalf of AT as their traffic engineer) and the intersection modelling for both the short- and long-term has been completed.
    - The short-term modelling has been conducted for the year 2023 using volumes from SCATS and the surveyed count data.
    - The long-term modelling has been conducted for the year 2028 using volumes obtained from Te Tupu Ngātahi | Supporting Growth (SATURN Model).
- The traffic volumes modelled are summarised in Section 8.

6 Proposed Plan Change

6.1 Access To Development

Access is proposed for Block 1 via the existing road connection on Westpoint Drive, as shown in Figure 22.

FIGURE 22: EXISTING ACCESS POINT TO BLOCK 1 VIA WESTPOINT DRIVE

Access to Block 2 currently does not exist and a local road connection over Rawiri Stream from Westpoint Drive is proposed. The local road connection over Rawiri Stream aligns with one of three existing easements and is proposed as a bridge/culvert crossing consisting of one lane in each direction, 3m shared paths on both sides of the road, and accommodate 2,000 vehicles per day. The bridge will form a priority T-intersection with Westpoint Drive where Westpoint Drive has priority over vehicles turning from the bridge. Figure 23 shows a concept design of the intersection and as the bridge will not accommodate for industrial traffic, vehicle tracking curves for residential use has been provided in **Appendix 4**. Also included in **Appendix 4** are visibility assessments for the intersection, including Safe Intersection Sight Distance (SISD), Approach Sight Distance (ASD) and Crossing Sight Distance (CSD).

The connection to Westpoint Drive over the Rawiri Stream is one of many potential connections identified in the Urban Design Statement. The current proposal is for the bridge over the Rawiri Stream to Westpoint Drive to be a long-term connection. It is anticipated that if constructed, the connection to Westpoint Drive may initially comprise of separate vehicular traffic and pedestrian facilities. When other connections become available, Auckland Transport could review whether heavy vehicles are prevented from passing through the precinct and amend the use if the bridge.

Resource consent would be required to establish the connection to Westpoint Drive with a bridge over the Rawiri Stream. While resource consent will be required, it is noted that there are no known fatal flaws that would prevent the bridge and the road connection from being consented.

FIGURE 23: BRIDGE/WESTPOINT DRIVE INTERSECTION – CONCEPT DESIGN

The bridge connection onto Westpoint Drive satisfies the safety requirements of a priority-controlled intersection as all visibility requirements are met.

All vehicle trips generated by Block 1 and Block 2 will be distributed via the signalised intersection of Hobsonville Road and Westpoint Drive.

6.2 Internal Road Network

The internal network will be planned / developed in accordance with the AT Roads and Streets Framework (RASF) and the Transport Design Manual (TDM), considering both movement and place functions. Other than for a main collector type access road, all other roads within the precinct are likely to consist of local roads.

A Road Function and Design Elements table is provided in Table 6. The table includes indicative information about the role and function of the road, minimum width of road reserve, number of lanes, speed limit, access restrictions, median, bus provision, on-street parking, cycle and pedestrian provision. The Road Function and Design Elements table reflects the requirements of Auckland Transport's Traffic Design Manual, in particular the Urban and Rural Roadway Design (version 2).

TABLE 6: INDICATIVE ROAD FUNCTION AND DESIGN ELEMENTS

<table>
<tr><th></th><th>Local (Residential)</th><th>Collector (Residential)</th></tr>
<tr><td>Role and function</td><td>Provide direct access to adjacent lands and serve neighbourhood level</td><td>Provide neighbourhood travel between local and arterial roads and direct access to adjacent lands. Buses generally operate on collector roads within neighbourhoods</td></tr>
<tr><td>Minimum road reserve width (m)</td><td>16.3 m
= two 3 m lanes and 5.15 m footpath zone on both sides of the road
Minimum Urban Footpath Zone Dimensions (AT TDM)
Kerb 0.15 m
Front berm 2.2 m
Footpath 1.8 m
Back berm 1.0 m
TOTAL 5.15 m</td><td>16.9 m
= two 3.3 m lanes and 5.15 m footpath zone on both sides of the road
Minimum Urban Footpath Zone Dimensions (AT TDM)
Kerb 0.15 m
Front berm 2.2 m
Footpath 1.8 m
Back berm 1.0 m
TOTAL 5.15 m</td></tr>
<tr><td>Number of lanes</td><td colspan="2">2 (one in each direction)</td></tr>
<tr><td>Speed limit</td><td colspan="2">30 km/hr</td></tr>
<tr><td>Access restrictions</td><td colspan="2">In accordance with Vehicle Access Restrictions under E27.6.4.1</td></tr>
<tr><td>Median</td><td>Flush medians are not to be used.</td><td>Flush medians are not to be used except locally for safety.</td></tr>
<tr><td>Bus provision</td><td>No provision for buses</td><td>Buses generally operate on collector roads within neighbourhoods</td></tr>
<tr><td>On-street parking</td><td>Parallel parking to be restricted to one side of the road (where carriageway is less than 7m)</td><td>Parallel parking to be restricted to one side of the road (where carriageway is less than 7m)</td></tr>
<tr><td>Cycle facilities</td><td colspan="2">Cyclists to share the road in 30 km/hr zone with vehicle traffic of less than 3,000 ADT</td></tr>
<tr><td>Pedestrian provision</td><td colspan="2">A minimum footpath width of 1.8 m on both sides of the road</td></tr>
</table>

6.3 Walking and Cycling

The development planning will provide for a comprehensive network of pedestrian and cyclist connections that will support connections to existing as well as planned, future active transport facilities. As there are many planned projects for the area, continuous engagement will enable optimal connections for the site.

The connections for Block 1 will connect onto the existing facilities on Westpoint Drive. As for Block 2 the connections primarily include the shared paths over the bridge access. These will meet the TDM requirements (>3m wide) and link to the existing facilities on Westpoint Drive.

For any walking and cycling facility implemented they will meet the AT TDM requirements including within the internal transport network of the site and at intersections with Westpoint Drive. Specific design elements will be considered in the next stage.

In terms of aligning with AT's proposed frontage road upgrades along Hobsonville Road (NOR W5), the active mode facilities of the NOR along the section of frontage of 84 Hobsonville Road involve retaining the existing shared path at the intersection with Westpoint Drive and implementing on-road cycle lanes with separators.

Although the proposal is expected to increase the number of cyclists (minor increase), it is not considered the PPC is required to provide active mode facilities along the Hobsonville Road frontage as a prerequisite to the land being developed for urban purposes. Furthermore, the trip generation (section 7) and traffic modelled (section 8) for Hobsonville Grove show that active mode facilities (either permanent or temporary) are not required to mitigate effects resulting from the development enabled by the PPC.

6.4 Parking and Loading

In terms of the likely parking demand for the proposal, a high-level assessment of the on-site and on-street parking is provided.

6.4.1 On-site Parking Demand

It is noted that there are no minimum car parking requirements in the AUP in line with the National Policy Statement on Urban Development 2020. Nevertheless, it is recognised that there are parking needs and hence an appropriate number of on-site parking spaces will be allowed for. However, it is also acknowledged that excessive parking provision can lead people to own and use cars instead of considering alternative transportation options.

To assess the practical demand for car parking spaces consistent with transportation industry practice, several resources and guidelines can be considered for on-site industrial and residential parking demand. The actual requirements for on-site parking provision will vary depending on changes to alternative transport options and market demands. A summary of guidelines is provided in Table 7.

TABLE 7: SUMMARY OF PARKING RATES

	RR453[1]	**RTA[2]**
Warehouses	0.9/100m^2 GFA	0.33/100m^2 GFA
Medium density residential	1.2/unit	1.0/unit An additional one space per each five units for visitor parking or part thereof is recommended.
High density residential	-	Metropolitan Sub-Regional Centres: - 0.6 spaces per 1 bedroom unit - 0.9 spaces per 2 bedroom unit - 1.40 spaces per 3 bedroom unit - 1 space per 5 units (visitor parking).

Approximately 9,300m^2 light industrial and office activity (Block 1) and 335 residential dwellings of which 40% are proposed as Mixed Housing Urban Zone (MHU) and 60% as Terrace Housing and Apartment Building Zone (THAB) (Block 2), is proposed. Therefore, using the minimum and maximum rates from the guidelines a range of 30-85 industrial and 255-440 residential on-site parking spaces would be required.

The exact number of car-parking spaces, loading areas, pick-up/drop-off/visitor parking requirements can be assessed when each activity is established.

6.4.2 On-street Parking Demand

It is considered that parking required for both staff and visitors for industrial activities will be provided for on-site. In the case there is overflow, the access road within Block 1 from Westpoint Drive will be able to provide 100m of on-street parking which equates to 17 spaces (assuming parking on one side of the road).

Similarly, the high-level internal road network for Block 2 will add to approximately 1,500m in road. This equates to 250 on-street parking spaces (parking on one side of road), which is sufficient to accommodate for occasional overflow and visitor parking.

Overall there are no shortfalls anticipated with on-street parking and hence will not lead to poor urban outcomes such as parking on berms or footpaths.

6.4.3 Accessible Parking

The New Zealand Building Code D1/AS1 New Zealand Standard for Design for Access and Mobility – Buildings and Associated Facilities (NZS: 4121-2001), will be used to guide the adequate provision of accessible parking space. Compliance with this standard is anticipated (to be assessed at subdivision stage).

6.4.4 Loading

Detail loading requirements for each precinct and land-uses will be considered with reference to AUP (OP). This also will deal with access for emergency vehicles, refuge trucks and other vehicles as relevant to the particular land-uses / activities in each precinct.

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[1] Douglass, M and S Abley (2011) Trips and parking related to land use. NZ Transport Agency research report 453. 156pp.
[2] Guide to Traffic Generating Development (October 2002), Roads and Traffic Authority, NSW.

Tracking simulations will be conducted to ensure that intersections and roadway designs can accommodate these vehicles adequately.

6.5 Future Connections and Opportunities

Both Block 1 and Block 2 are adjacent to vacant lots that are zoned Future Urban (FUZ). Although the exact location of connections cannot be determined, this section aims to show how the eastern parcels of land can be linked into the road network.

For Block 2, it is envisaged that a collector route will be constructed to connect with Trig Road when the FUZ land is urbanised. Road alignment will be determined either when the land is rezoned, and / or when the land is developed in accordance with the land use zoning.

An indicative road alignment through Block 2 is shown in the Wider Masterplan in Figure 24. This includes the indicative location of where the collector road will cross into FUZ zoned land.

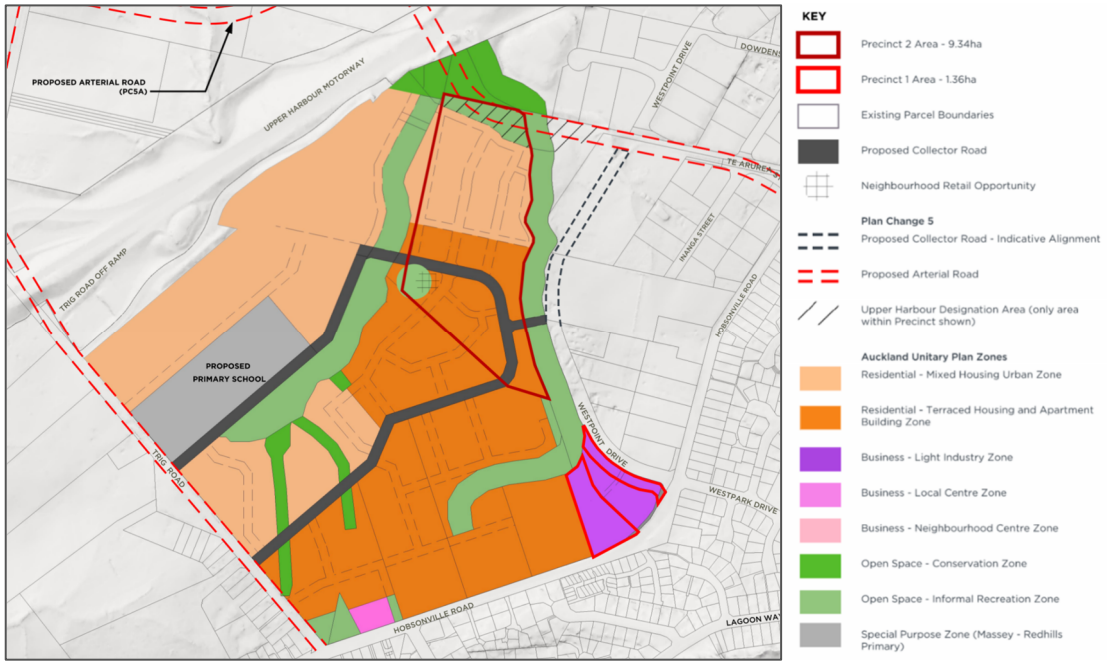


FIGURE 24: WIDER MASTERPLAN

In terms of future opportunities of Block 2 connecting onto the lane to the north, the nature of a potential connection will be affected by the Spedding Road NOR works. It is anticipated that significant bridging or battering will be necessary for Spedding Road to pass over the Upper Harbour Highway, and this could affect a practical and safe vehicular connection from being provided. Hence, vehicular connections may not be possible based on the information supplied with the NOR and would need to be reassessed at resource consent stage.

However, as the NOR documentation indicates the future arterial connection / Spedding Road upgrade will have two traffic lanes, active mode facilities, and bus facilities. The Hobsonville Grove PPC ensures the precinct development does not foreclose a future active mode connection to Spedding Road. Provisions will adequately future proof cycle and pedestrian facilities within the PPC and the Spedding NOR corridor and encourage a link to the Spedding Road.

As Block 2 requires a connection to the transportation network be made operational prior to development commencing, both residential traffic and industrial traffic are expected on Westpoint Drive. Due to the mixed-use nature of the Westpoint Drive and Hobsonville Road, it is considered the mixing of traffic is inevitable and is the existing arrangement of these roads. As discussed in section 2.7, there are no existing crash patterns. Once the future connections to Block 2 are in place, there is the option to monitor the situation and close off the bridge connection to vehicles and only provide an active mode connection.

Future opportunities are summarised in Figure 25.

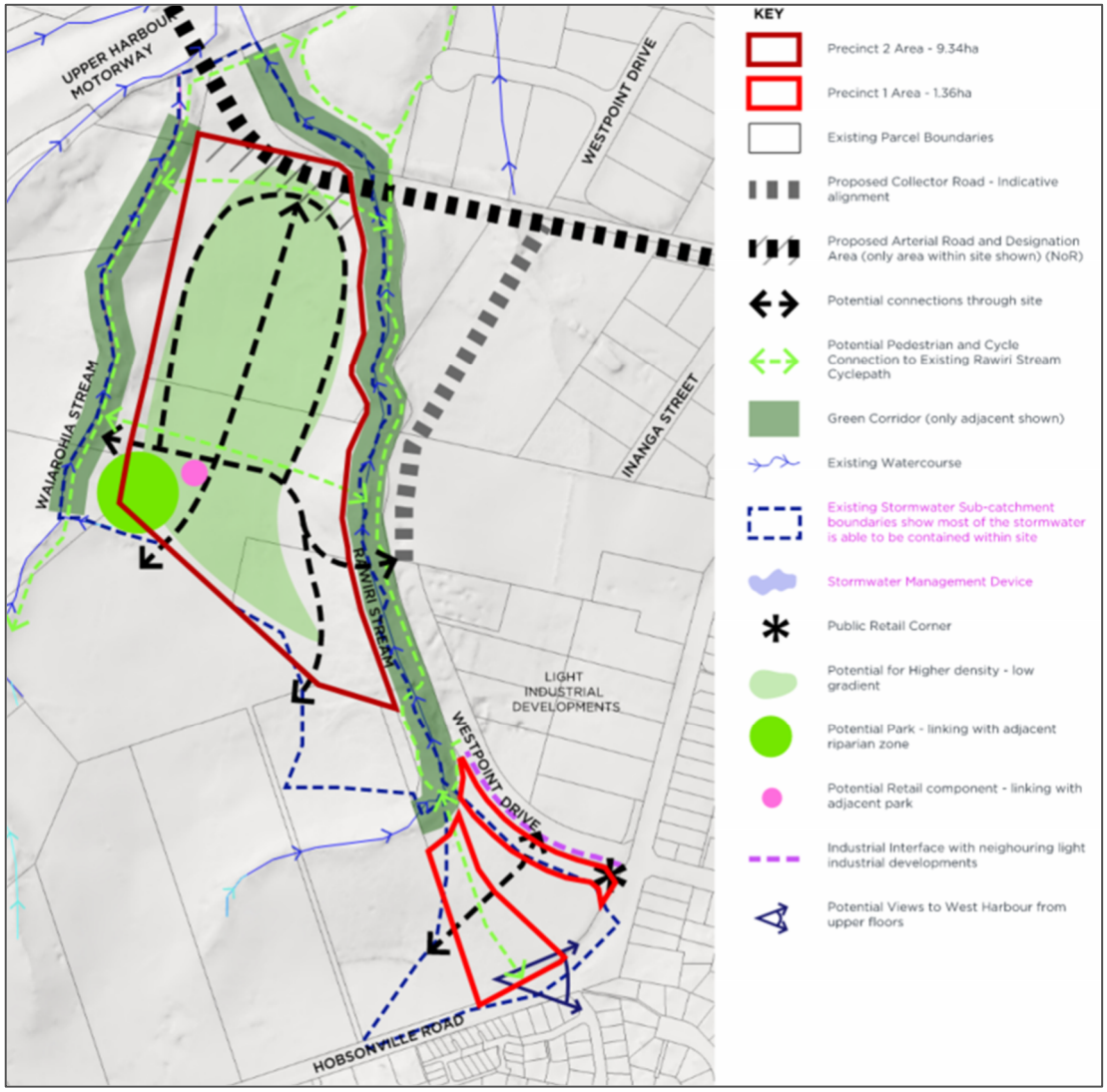


FIGURE 25: OPPORTUNITIES PLAN

7 Trip Generation

7.1 Existing Activity

Most of the subject site is vacant land and hence the existing trips generated is considered negligible.

7.1.1 Confirmed Industrial Development

It is known that there is further industrial development confirmed for 86 (east), 88 (east) and 90 (east) of Hobsonville Road ('adjacent site'), of which some sections have completed construction and is active.

The trips generated by the completed development is already captured in the existing data (SCATS). The trips generated by the remainder of the development will be added to the assessment of the intersection.

The ITA for the adjacent site concluded a total of 240 per day and a morning peak of 30 vehicle trips using the Westpoint Drive / Hobsonville Road intersection. Half of these trips are assumed to exist on the current network, and half currently do not. Hence, 15 peak trips were added to the assessment of the Westpoint Drive / Hobsonville Road intersection.

7.2 Proposed Activity

The proposal will enable the following activities:

- Block 1: Net Industrial Area of 9,300 m^2 including light industrial and office activity.
- Block 2: Approximately 1,500 m^2 of Neighbourhood Centre Zone (Business) and 335 residential dwellings.

Of the 335 residential dwellings, 40% are proposed as Mixed Housing Urban Zone (MHU) and 60% as Terrace Housing and Apartment Building Zone (THAB).

7.2.1 Block 1 Development

Block 1 of the proposal is to enable 9,300 m^2 of light industrial and office activity. The Australian 'New South Wales Roads and Maritime Services (RMS) Guide to Traffic Generating Developments 2002 provides traffic generating estimates based on land use activity.

Light industrial activity is most closely aligned to Warehouse activity as per the RMS, due to the unknown use of the light industrial zoned land of the subject site.

The RMS estimates daily vehicle trips of 4 per 100 m^2 GFA and morning peak hour vehicle trips of 0.5 per 100 m^2 GFA. Upon light industrial subdivision and development resultant from Block 1, it is estimated the total trip generation would be 372 vehicle trips per day and a morning peak of 47 vehicle trips.

7.2.2 Block 2 Residential Development

Block 2 involves the subdivision of Future Urban zoned land. Based on developable land of 70,000 m^2, and assuming 200 m^2 per dwelling, a total of 335 units have been modelled.

Based on the RMS Guide, medium density residential flat buildings of three of more bedrooms have up to 5.0 - 6.5 daily vehicle trips per dwelling and weekday peak hour vehicle trips of 0.5 - 0.65 per dwelling.

To account for minor compact dwellings and two-bedroom apartments, 5 daily vehicle trips per dwelling and 0.65 peak vehicle trips per dwelling is used to estimate the traffic generation from the future residential development. Upon complete development, the residential component of the subject site can be expected to generate in the region of 1,675 daily vehicle trips, and 218 peak hour vehicle trips.

Upon future completion of the future RTN on SH18, some vehicle trips may be expected to be replaced by walking or cycling trips to the RTN Station on the other side of SH18. Further, residents may also opt to access the existing bus services on Hobsonville Road via the planned cycle lane through the Rawiri Stream restoration. However, these have not been factored into the model for a conservative approach.

8 Traffic Modelling

Traffic modelling has been conducted to assess if the local transport network can accommodate the activity proposed with the Plan Change if built now (year 2023) and in a longer-term (2028). As access to the subject site is expected to only be available through the Hobsonville Road / Westpark Drive intersection for both 2023 and 2028 scenarios, all vehicles will pass through the intersection.

8.1 Existing Intersection

SCATS (Sydney Coordinated Adaptive Traffic System) data for the Hobsonville Road / Westpark Drive Intersections was scrutinised further to find the highest AM and PM peak hours for the week being on 20/07/2023 at 1,322 vehicles in the AM peak and 1,546 vehicles in the PM peak.

A summary of the SCATS data is shown in Table 8**,** with the corresponding site graphics in Figure 26. The full SCATS data received can be found in **Appendix 1**.

TABLE 8: SCATS DATA SUMMARY FOR PEAK HOURS

Peak	Detector Number								Total
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	
AM	536	51	120	36	556	7	6	10	1,322
PM	595	121	89	24	678	5	6	28	1,546

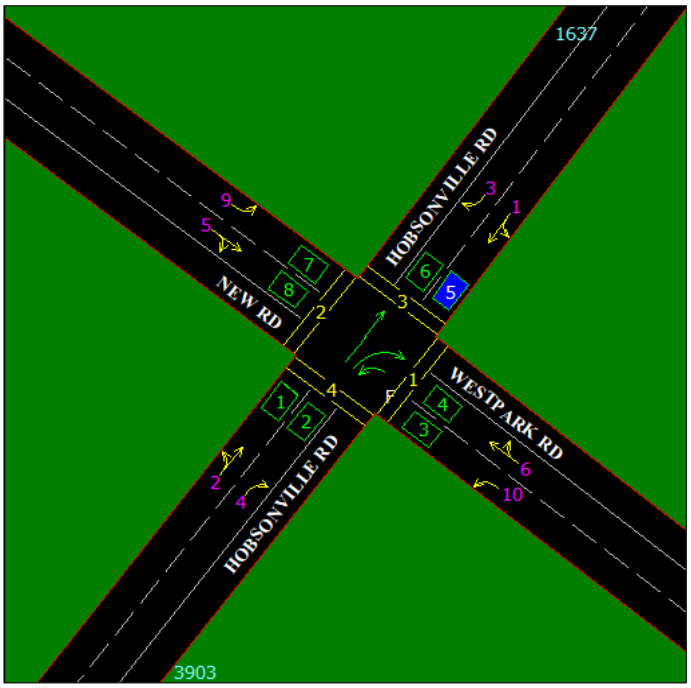


FIGURE 26: SCATS SITE GRAPHIC - HOBSONVILLE ROAD / WESTPARK DRIVE INTERSECTION

8.2 Base Model Data (2023)

Traffic surveys were undertaken for the intersection at peak hours to calibrate the base model. Turning movement counts and queue lengths for the week starting 17 October 2023 were obtained. The resulting number of movements for each turning movement and seen queue lengths are summarised in Table 9. These values were used to calibrate the SIDRA modelling.

TABLE 9: CALIBRATED SCATS DATA WITH TRAFFIC SURVEY INFORMATION (BASE MODEL)

Approach	Turn Type	Detector Number	AM		PM	
			Turn count	95% back of queue (veh)	Turn count	95% back of queue (veh)
North	LT	5	1	15	21	19
	TT		555		657	
	RT	6	7	1	5	2
East	LT	3	120	3	89	2
	TT	4	8	5	1	3
	RT		28		27	
South	LT	1	7	10	2	8
	TT		529		593	
	RT	2	51	3	121	8
West	LT	7	6	1	6	2
	TT	8	8	1	1	2
	RT		2		21	
Notes: *LT – Left Turn; TT – Through Turn & RT – Right Turn*						

8.3 Future Model Data (2028)

2028 volumes from Te Tupu Ngātahi – Supporting Growth were requested and used in the traffic modelling exercise. The traffic volumes have been obtained from the Auckland Forecasting Centre (AFC) (SATURN model data). The AM and PM peak hour turning movements through the Hobsonville Road / Westpark Drive intersection (Node 3507) is shown in Figure 27 and Figure 28, respectively. The turning movements are summarised in Table 10.

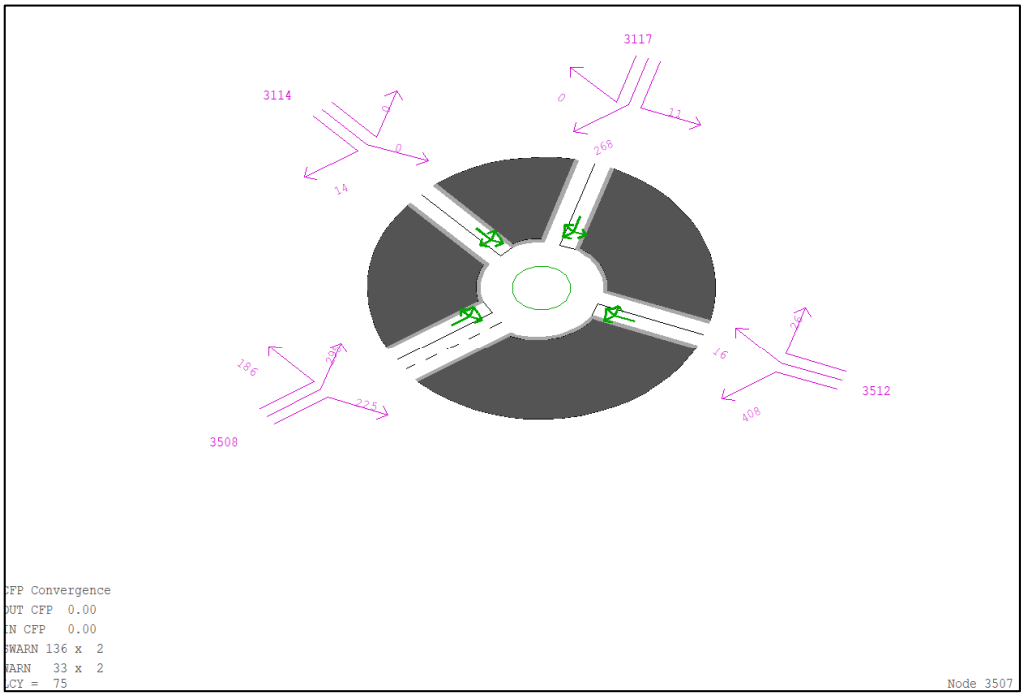


FIGURE 27: HOBSONVILLE ROAD / WESTPARK DRIVE – 2028 AM PEAK

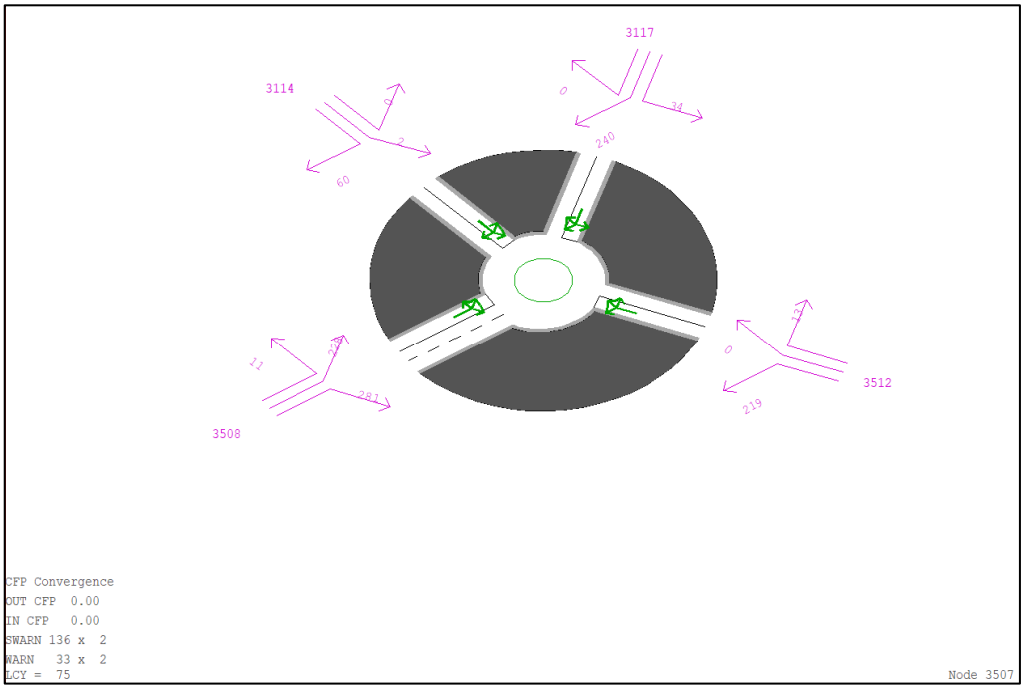


FIGURE 28: HOBSONVILLE ROAD / WESTPARK DRIVE – 2028 PM PEAK

TABLE 10: SUMMARY OF 2028 PEAK HOUR TURNING MOVEMENTS (SUPPORTING GROWTH)

Approach	Turn Type	AM (vph)	PM (vph)
North	LT	11	34
	TT	268	240
	RT	0	0
East	LT	408	219
	TT	16	0
	RT	26	13
South	LT	186	11
	TT	295	228
	RT	225	281
West	LT	0	0
	TT	0	2
	RT	14	60

8.4 Cycle and Pedestrian Movement

In order to activate pedestrian and cycle stages in SIDRA, an input volume of 50 pedestrians per hour has been added to each of the four (4) crossings for all scenarios. It is considered the total of 200 pedestrians per hour is an over-representation of the 2023 scenario as presented under modal share in Section 2.2, however an adequate estimation of the 2028 scenario.

8.5 SIDRA Analysis

The following scenarios were modelled to assess the proposed development stages. No changes to the intersection layout have been assumed for all scenarios.

8.5.1 2023 (Base year)

1. AM Peak with no development
2. PM Peak with no development
3. AM Peak with development
4. PM Peak with development

8.5.2 2028 (Future horizon year)

1. AM Peak with no development
2. PM Peak with no development
3. AM Peak with development
4. PM Peak with development

The intersection arrangement is shown in Figure 29.

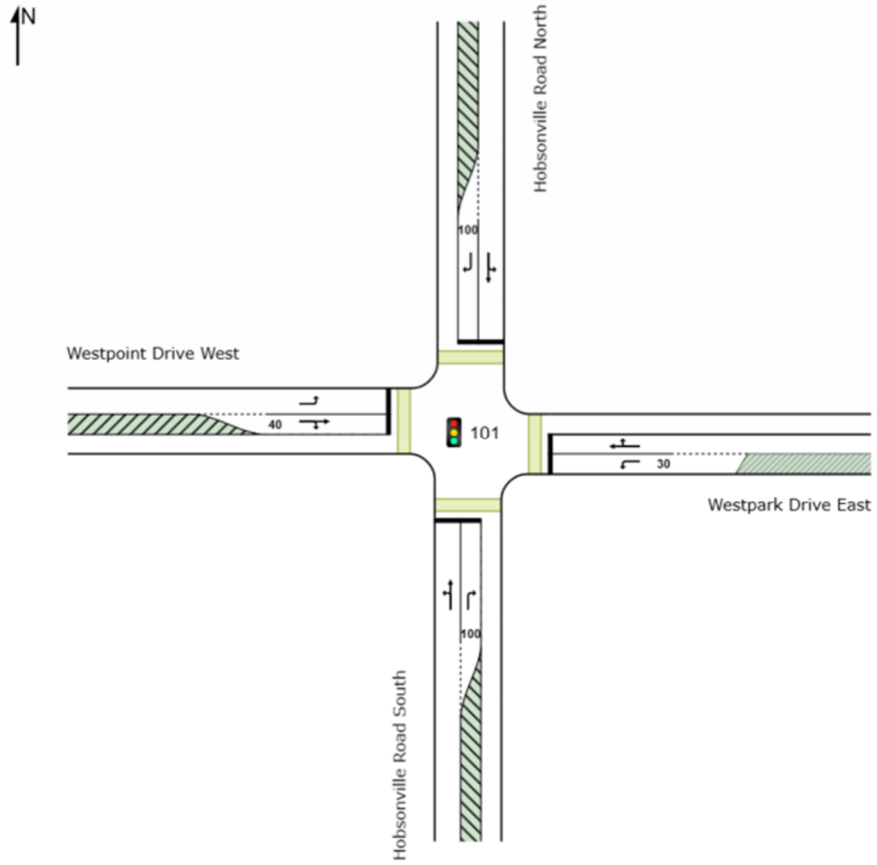


FIGURE 29: EXISTING INTERSECTION ARRANGEMENT

8.5.3 Trip Distribution

To estimate trip distribution during the peak periods, we have considered the 2018 Census Data available for Hobsonville as summarised in section 2.2. The resulting turning movement proportions for each approach at the Hobsonville Road / Westpoint Drive intersection is shown in Table 11.

TABLE 11: TURNING MOVEMENT % AT HOBSONVILLE ROAD / WESTPOINT DRIVE INTERSECTION

	AM Peak			PM Peak		
	Intersection Approach	**Turning Movement**	**%**	**Intersection Approach**	**Turning Movement**	**%**
Inbound	South	Left Turn	61%	South	Left Turn	92%
	North	Right Turn	39%	North	Right Turn	8%
Outbound	West	Left Turn	8%	West	Left Turn	39%
	West	Right Turn	92%	West	Right Turn	61%

In terms of tidal flows, the outbound/inbound travel split was 80/20 for the AM peak and 40/60 for the PM peak. This is typical for most land use activities.

The resulting traffic volumes used for the intersection modelling can be found in the movement summaries in **Appendix 5**.

8.6 Summary Modelling Results

The modelling results before the plan change development and after the plan change development are discussed in the following sections. The full SIDRA movement summaries and phasing summaries are provided in **Appendix 5**.

8.6.1 Without Plan Change Development

The SIDRA Intersections modelling results are summarised for the short- and long-term scenarios for both the morning and evening peak hours of travel. The results of the intersection with no development of Block 1 and Block 2 are summarised in Table 12.

Without development of Block 1 and Block 2, the Hobsonville Road / Westpark Drive intersection performs at an LoS B for both the AM and PM peaks in the year 2023. For the 2028 scenario, the performance of the intersection reduces to LoS C for both peak periods, however still at an acceptable operating level.

TABLE 12: SIDRA RESULTS SUMMARY – NO DEVELOPMENT

Approach		2023				2028			
		AM		PM		AM		PM	
		LoS	Queue (m)	LoS	Queue (m)	LoS	Queue (m)	LoS	Queue (m)
South: Hobsonville Road South	LT	B	94.7	B	107.3	C	98.2	C	46.5
	TT	B	94.7	B	107.3	B	98.2	C	46.5
	RT	C	11.8	D	30.9	C	50.9	C	54.0
Approach		B	94.7	B	107.3	C	98.2	C	54.0
East: Westpark Drive East	LT	C	21.6	B	14.3	C	78.5	B	22.4
	TT	C	7.6	C	6.5	C	9.0	C	3.0
	RT	C	7.6	C	6.5	C	9.0	C	3.0
Approach		C	21.6	C	14.3	C	78.5	B	22.4
North: Hobsonville Road North	LT	C	100.8	B	131.3	C	47.7	C	54.6
	TT	B	100.8	B	131.3	B	47.7	C	54.6
	RT	C	1.5	C	1.1	C	0.2	B	0.2
Approach		B	100.8	B	131.3	B	47.7	C	54.6
West: Westpoint Drive West	LT	B	0.8	C	1.1	B	0.1	B	0.1
	TT	C	2.1	C	5.1	C	3.2	C	13.8
	RT	C	2.1	C	5.1	C	3.2	C	13.8
Approach		C	2.1	C	5.1	C	3.2	C	13.8
Intersection		B	100.8	B	131.3	C	98.2	C	54.6

LT – Left Turn
TT – Through Turn
RT – Right Turn
Queue – 95% back of queue (m)

8.6.2 With Plan Change Development

The results of the intersection with development of Block 1 and Block 2 are summarised in Table 13 and discussed below.

2023 Results

With the completed development of Block 1 and Block 2, the intersection performance reduces to a LoS C for both the AM and PM peaks in the year 2023.

For the AM Peak, the intersection sees an increase in average delay of 3.3 seconds, with the Westpoint Drive West approach showing the biggest increase. Queue lengths also increase with the most critical being the Westpoint Drive West approach which increases from 2 m to 42 m.

For the PM Peak, the intersection sees an increase in average delay of 19.7 seconds, with the Westpoint Drive West approach showing the biggest increase. Queue lengths also increase with the most critical being the Westpoint Drive West approach which increases from 5 m to 31 m and the Hobsonville Road South approach which increases from 107 m to 273 m.

The increases to the average delay and the queue lengths for the Westpoint Drive West approach is expected due to the increase in activity from the Plan Change development area that adds turning movements to the intersection.

The performance of the Hobsonville Road South approach shows the biggest increase in delay and queue lengths and changes from LoS B (without development) to LoS D (with development) in the PM peak. As all other approaches and the intersection overall performs at a LoS C, it is considered an adjustment of the green time for the southern approach can balance out the delays.

2028 Results

For the 2028 scenario, the performance of the intersection remains at a LoS C for both peak periods, however there are slight increases to the delay and queue lengths also.

For the AM Peak, the intersection sees an increase in average delay of 2.4 seconds, with the Westpoint Drive West approach showing the biggest increase. Queue lengths also increase with the most critical being the Westpoint Drive West approach which increases from 3 m to 43 m.

For the PM Peak, the intersection sees an increase in average delay of 2.1 seconds, with the Westpoint Drive West approach showing the biggest increase. Queue lengths also increase with the most critical being the Westpoint Drive West approach which increases from 14 m to 33 m and the Hobsonville Road South approach which increases from 70 m to 54 m.

The LoS of the intersection and all approaches do not change when comparing scenarios without and with development. This is considered to be an effect of a redistribution of traffic in the wider network which has prevented dramatic increases in volumes through the intersection in the future scenario.

Overall, the modelling concludes that the proposed activities of the Plan Change can be accommodated within the current network for the immediate and longer terms. This shows that the site is self-sufficient without wider network upgrades implemented.

TABLE 13: SIDRA RESULTS SUMMARY – WITH DEVELOPMENT

Approach		2023				2028			
		AM		PM		AM		PM	
		LoS	Queue (m)	LoS	Queue (m)	LoS	Queue (m)	LoS	Queue (m)
South: Hobsonville Road South	LT	C	113.5	D	273.3	C	115.6	C	69.5
	TT	B	113.5	D	273.3	C	115.6	B	69.5
	RT	C	11.4	E	46.6	D	55.2	C	62.8
Approach		B	113.5	D	273.3	C	115.6	C	69.5
East: Westpark Drive East	LT	C	21.7	C	17.3	C	88.4	B	24.4
	TT	C	7.7	D	9.1	C	9.0	C	3.0
	RT	C	7.7	D	9.1	C	9.0	C	3.0
Approach		C	21.7	C	17.3	C	88.4	B	24.4
North: Hobsonville Road North	LT	C	101.1	C	220.2	C	46.4	C	53.0
	TT	B	101.1	C	220.2	B	46.4	B	53.0
	RT	C	9.5	D	6.4	C	6.1	C	2.1
Approach		B	101.1	C	220.2	B	46.4	C	53.0
West: Westpoint Drive West	LT	B	2.8	C	10.2	B	1.6	B	4.6
	TT	C	42.4	C	30.5	C	43.4	C	31.4
	RT	C	42.4	D	30.5	C	43.4	C	31.4
Approach		C	42.4	C	30.5	C	43.4	C	31.4
Intersection		C	113.5	C	273.3	C	115.6	C	69.5

LT – Left Turn
TT – Through Turn
RT – Right Turn
Queue – 95% back of queue (m)

9 Conclusion

The proposed Hobsonville Grove Private Plan Change include transitioning Precinct 1 from Future Urban Zone and Open Space - Informal Recreation Zone to a Business - Light Industry Zone. Meanwhile, Block 2 / Precinct 2 is proposed to be transformed from Future Urban Zone to Business - Neighbourhood Centre Zone and Residential Zones, specifically Mixed Housing Urban and Terrace Housing and Apartment Building.

This report has assessed the transportation environment and considers the networks to be well suited for the proposed land-use activities in this part of West Harbour and Hobsonville, from both an existing and future connectivity point of view.

Currently, the traffic on Hobsonville Road, from Luckens Road to Marina View Drive, comprises a mix of industrial and residential trips. Future industrial development west of Hobsonville Road will likely increase commercial vehicle traffic, providing local job opportunities. Generally, road capacity is available in the existing transport network of Hobsonville Road and Westpoint Drive. Past crashes at the intersection show no road design or environmental issues. The site enjoys proximity to various public transport options. Pedestrian facilities on Westpoint Drive are satisfactory, with decent quality and dedicated cycle crossing signals at the intersection with Hobsonville Road, enhancing pedestrian and cyclist safety.

The proposed access arrangements for both blocks are also addressed, with Block 1 proposed to have access via Westpoint Drive and Block 2 to be connected via a proposed local road over Rawiri Stream from Westpoint Drive. These conclusions underscore the comprehensive evaluation of the proposed changes and access provisions crucial for the development and future functionality of the area.

Modelling has been conducted to show the local transport network in the West Harbour area, together with the proposed bridge access via Westpoint Drive (to enable development of Block 2 / Precinct 2), can accommodate the proposed developments and general growth of trips without compromising the operational efficiency and safety of the local transport network. This shows that the development can be implemented before the planned infrastructure within Auckland Transport and the Supporting Growth Alliance's realm (Notice of Requirements).

Furthermore, the recent public transport changes (WX1 Rapid Transit Network) and proposed strategic plans of the RPTP support this new development. The proposed Plan Change will also increase the permeability of the pedestrians and cyclists of the wider area. This will in time reduce travel distances to and from key land-use activities and passenger transport connections. This will gradually support and contribute to and support the uptake of commuter travel by these modes. Similarly, the proposed land-use activities will further support the development of relevant transport infrastructure for active transport modes.

The proposal also aligns with strategic policies and plans, ensuring integration into the urban environment and adherence to overarching objectives. It aligns with the National Policy Statement on Urban Development (NPS-UD), prioritising well-functioning urban environments supporting social, economic, and cultural wellbeing. Additionally, it aligns with the Government Policy Statement on Land Transport (GPS) and the Auckland Plan, emphasising sustainable urban development and transport improvements. The proposal also supports the Auckland Transport Alignment Project (ATAP), Vision Zero initiative, Auckland Climate Plan, and Draft Kotoa, Ka Ora: Auckland Speed Management Plan, promoting safety, sustainability, and affordability. Overall, it reflects a comprehensive alignment with Auckland's strategic policies and plans.

Once rezoned, a more detailed Integrated Transportation Assessment (ITA) can be completed during subdivision stages of each block / precinct. It is therefore recommended from a transportation engineering perspective that the plan change application be favourably considered.

10 Limitations

10.1 General

This report is for the use by Austino New Zealand Limited only and should not be used or relied upon by any other person or entity or for any other project.

This report has been prepared for the particular project described to us and its extent is limited to the scope of work agreed between the client and Harrison Grierson Consultants Limited. No responsibility is accepted by Harrison Grierson Consultants Limited or its directors, servants, agents, staff, or employees for the accuracy of information provided by third parties and/or the use of any part of this report in any other context or for any other purposes.

Appendix 1
SCATS Traffic Data


Site Graphics
TCS 1635
WEST HARBOUR
NTHWST
SS=3
8 PHASES
A
E
B
F
C
F1
D
F2
WESTPOINT DR
HOBSONVILLE RD
HOBSONVILLE RD
WESTPARK RD
1638
3903


Site Graphics
TCS 1636
HOBSONVILLE
NTHWST
SS=9
8 PHASES
A
E
B
F
C
F1
D
F2
HOBSONVILLE RD
HOBSONVILLE RD
MARINA VIEW DR
1637
1635


Site Graphics
TCS 1637
HOBSONVILLE
NTHEST
SS=102
8 PHASES
A
E
B
F
C
F1
D
F2
1650
1636
DOWDENS LANE
HOBSONVILLE RD
HENDRIKA COURT
HOBSONVILLE RD
F

Report: Periodic statistics for site 1635

15 minute intervals

From: Monday, 17 July 2023, 12:00:00 AM NZST

To: Monday, 17 July 2023, 11:59:59 PM NZST

Monday, 17 July 2023, 12:00:00 AM NZST to Monday, 17 July 2023, 12:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
Unknown phase	1	49	49	49	49
A phase	1	10	10	10	10
F phase	1	11	11	11	11
Actual cycle	2	21	49	35	70
Signal group 4	1	5	5	5	5
Signal group 10	1	5	5	5	5

Monday, 17 July 2023, 12:15:00 AM NZST to Monday, 17 July 2023, 12:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	1	743	743	743	743
F phase	2	11	13	12	24
Actual cycle	1	754	754	754	754
Signal group 1	1	738	738	738	738
Signal group 4	2	5	7	6	12
Signal group 10	2	5	7	6	12

Monday, 17 July 2023, 12:30:00 AM NZST to Monday, 17 July 2023, 12:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	1	660	660	660	660
F phase	2	11	13	12	24
Actual cycle	1	671	671	671	671
Signal group 1	1	655	655	655	655
Signal group 4	2	5	7	6	12
Signal group 10	2	5	7	6	12

Monday, 17 July 2023, 12:45:00 AM NZST to Monday, 17 July 2023, 1:00:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	1	10	10	10	10
D phase	1	15	15	15	15
F phase	1	12	12	12	12
Actual cycle	1	25	25	25	25
Signal group 1	1	5	5	5	5
Signal group 4	1	6	6	6	6
Signal group 6	1	10	10	10	10
Signal group 7	1	10	10	10	10
Signal group 10	2	6	10	8	16

Monday, 17 July 2023, 1:45:00 AM NZST to Monday, 17 July 2023, 2:00:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
F phase	1	11	11	11	11
Signal group 4	1	5	5	5	5
Signal group 10	1	5	5	5	5

Monday, 17 July 2023, 2:15:00 AM NZST to Monday, 17 July 2023, 2:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
F phase	1	16	16	16	16
Signal group 4	1	10	10	10	10
Signal group 10	1	10	10	10	10

Monday, 17 July 2023, 3:00:00 AM NZST to Monday, 17 July 2023, 3:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
F phase	1	11	11	11	11
Signal group 4	1	5	5	5	5
Signal group 10	1	5	5	5	5

Monday, 17 July 2023, 3:30:00 AM NZST to Monday, 17 July 2023, 3:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	2	10	297	153	307
D phase	1	15	15	15	15
F phase	2	11	12	11	23
Actual cycle	2	25	308	166	333
Signal group 1	2	5	292	148	297
Signal group 4	2	5	6	5	11
Signal group 6	1	10	10	10	10
Signal group 7	1	10	10	10	10
Signal group 10	3	5	10	7	21

Monday, 17 July 2023, 3:45:00 AM NZST to Monday, 17 July 2023, 4:00:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
D phase	1	15	15	15	15
Signal group 6	1	10	10	10	10
Signal group 7	1	10	10	10	10
Signal group 10	1	10	10	10	10

Monday, 17 July 2023, 4:00:00 AM NZST to Monday, 17 July 2023, 4:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	1	120	120	120	120
F phase	2	11	12	11	23
Actual cycle	1	131	131	131	131
Signal group 1	1	115	115	115	115
Signal group 4	2	5	5	5	10
Signal group 10	2	5	5	5	10

Monday, 17 July 2023, 4:15:00 AM NZST to Monday, 17 July 2023, 4:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	1	779	779	779	779
D phase	1	15	15	15	15
Signal group 1	1	774	774	774	774
Signal group 6	1	10	10	10	10
Signal group 7	1	10	10	10	10
Signal group 10	1	10	10	10	10

Monday, 17 July 2023, 4:30:00 AM NZST to Monday, 17 July 2023, 4:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	1	582	582	582	582
F phase	1	12	12	12	12
Actual cycle	1	594	594	594	594
Signal group 1	1	577	577	577	577
Signal group 4	1	6	6	6	6
Signal group 10	1	6	6	6	6

Monday, 17 July 2023, 4:45:00 AM NZST to Monday, 17 July 2023, 5:00:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	3	123	258	179	539
F phase	4	11	12	11	45
Actual cycle	3	134	269	191	573
Signal group 1	3	118	253	174	524
Signal group 4	4	5	6	5	21
Signal group 10	4	5	6	5	21

Monday, 17 July 2023, 5:00:00 AM NZST to Monday, 17 July 2023, 5:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	3	99	309	217	653
F phase	4	11	13	11	46
Actual cycle	3	110	320	228	686
Signal group 1	3	94	304	212	638
Signal group 4	4	5	7	5	22
Signal group 10	4	5	7	5	22

Monday, 17 July 2023, 5:15:00 AM NZST to Monday, 17 July 2023, 5:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	4	40	280	153	613
F phase	5	11	14	12	60
Actual cycle	4	53	294	165	662
Signal group 1	4	35	275	148	593
Signal group 4	5	5	8	6	30
Signal group 10	5	5	8	6	30

Monday, 17 July 2023, 5:30:00 AM NZST to Monday, 17 July 2023, 5:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	6	10	268	107	645
F phase	7	11	22	13	92
Actual cycle	6	21	279	119	715
Signal group 1	6	5	263	102	615
Signal group 4	7	5	16	7	50
Signal group 10	7	5	16	7	50

Monday, 17 July 2023, 5:45:00 AM NZST to Monday, 17 July 2023, 6:00:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	15	11	118	40	601
D phase	2	15	25	20	40
E phase	2	15	23	19	38

F phase	12	11	15	12	144
Actual cycle	15	24	129	54	811
Signal group 1	13	5	113	35	463
Signal group 2	5	9	298	122	610
Signal group 3	2	5	6	5	11
Signal group 4	10	5	9	6	61
Signal group 5	2	10	18	14	28
Signal group 6	2	10	20	15	30
Signal group 7	2	10	20	15	30
Signal group 8	2	11	18	14	29
Signal group 9	3	5	10	7	21
Signal group 10	11	5	10	6	71
Signal group 13	1	5	5	5	5
Signal group 14	1	5	5	5	5
Signal group 17	1	6	6	6	6
Signal group 18	1	7	7	7	7
Pedestrian movement 3	1	2	2	2	2

Monday, 17 July 2023, 6:00:00 AM NZST to Monday, 17 July 2023, 6:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	18	10	107	32	580
D phase	1	15	15	15	15
F phase	19	11	15	11	227
Actual cycle	18	22	118	45	811
Signal group 1	17	6	102	28	485
Signal group 2	1	576	576	576	576
Signal group 3	1	5	5	5	5
Signal group 4	18	5	9	6	108
Signal group 6	1	10	10	10	10
Signal group 7	1	5	5	5	5
Signal group 9	1	5	5	5	5
Signal group 10	18	5	21	6	123

Monday, 17 July 2023, 6:15:00 AM NZST to Monday, 17 July 2023, 6:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	17	10	92	34	579
D phase	2	15	16	15	31
F phase	16	11	15	11	191
Actual cycle	17	22	103	46	789
Signal group 1	16	5	87	31	510
Signal group 2	2	222	279	250	501
Signal group 3	1	5	5	5	5
Signal group 4	15	5	9	6	90
Signal group 6	2	10	11	10	21
Signal group 7	2	10	11	10	21
Signal group 9	1	5	5	5	5
Signal group 10	17	5	11	6	111

Monday, 17 July 2023, 6:30:00 AM NZST to Monday, 17 July 2023, 6:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	11	10	84	40	442
D phase	2	15	15	15	30

F phase	11	11	17	12	139
Actual cycle	11	23	96	54	597
Signal group 1	10	6	79	38	382
Signal group 2	2	155	261	208	416
Signal group 3	1	8	8	8	8
Signal group 4	10	5	11	6	65
Signal group 6	2	10	10	10	20
Signal group 7	2	5	10	7	15
Signal group 9	1	8	8	8	8
Signal group 10	11	5	21	8	90

Monday, 17 July 2023, 6:45:00 AM NZST to Monday, 17 July 2023, 7:00:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	17	11	66	29	503
D phase	2	15	15	15	30
E phase	3	15	23	17	53
F phase	14	11	15	12	174
Actual cycle	17	24	81	43	745
Signal group 1	15	7	76	30	455
Signal group 2	7	6	139	65	460
Signal group 3	3	5	9	7	22
Signal group 4	12	5	9	6	73
Signal group 5	3	10	18	12	38
Signal group 6	2	10	10	10	20
Signal group 7	2	10	10	10	20
Signal group 8	3	10	18	12	38
Signal group 9	5	5	10	8	42
Signal group 10	14	5	10	6	93
Signal group 13	1	5	5	5	5
Signal group 18	1	6	6	6	6

Monday, 17 July 2023, 7:00:00 AM NZST to Monday, 17 July 2023, 7:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	21	10	62	24	515
D phase	3	15	18	16	49
E phase	1	23	23	23	23
F phase	18	11	22	13	244
Actual cycle	20	23	74	40	808
Signal group 1	20	5	57	21	425
Signal group 2	6	21	122	51	307
Signal group 3	3	5	6	5	17
Signal group 4	17	5	16	7	130
Signal group 5	1	18	18	18	18
Signal group 6	3	10	13	11	34
Signal group 7	3	10	13	11	34
Signal group 8	1	18	18	18	18
Signal group 9	3	5	6	5	17
Signal group 10	20	5	16	8	164
Signal group 13	1	5	5	5	5
Signal group 18	1	6	6	6	6

Monday, 17 July 2023, 7:15:00 AM NZST to Monday, 17 July 2023, 7:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	21	10	120	27	581
D phase	2	15	16	15	31
E phase	1	23	23	23	23
F phase	18	11	19	13	250
Actual cycle	21	22	131	42	885
Signal group 1	20	7	115	24	491
Signal group 2	3	57	317	165	495
Signal group 3	1	6	6	6	6
Signal group 4	17	5	13	8	136
Signal group 5	1	18	18	18	18
Signal group 6	2	10	11	10	21
Signal group 7	2	10	11	10	21
Signal group 8	1	18	18	18	18
Signal group 9	1	6	6	6	6
Signal group 10	19	5	13	8	157
Signal group 13	1	5	5	5	5
Signal group 18	1	6	6	6	6

Monday, 17 July 2023, 7:30:00 AM NZST to Monday, 17 July 2023, 7:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	20	10	65	28	567
D phase	4	15	17	15	63
E phase	1	15	15	15	15
F phase	16	11	20	13	217
Actual cycle	20	24	77	42	850
Signal group 1	20	5	60	23	467
Signal group 2	4	77	229	155	623
Signal group 4	16	5	14	7	121
Signal group 5	1	10	10	10	10
Signal group 6	4	10	12	10	43
Signal group 7	4	10	12	10	43
Signal group 8	1	10	10	10	10
Signal group 9	1	10	10	10	10
Signal group 10	20	5	14	8	164

Monday, 17 July 2023, 7:45:00 AM NZST to Monday, 17 July 2023, 8:00:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	20	10	87	25	504
D phase	4	15	15	15	60
E phase	2	16	22	19	38
F phase	17	11	21	13	227
Actual cycle	19	23	98	41	784
Signal group 1	19	5	82	22	419
Signal group 2	7	17	139	70	492
Signal group 3	2	7	8	7	15
Signal group 4	16	5	15	7	117
Signal group 5	2	11	17	14	28
Signal group 6	4	10	10	10	40
Signal group 7	4	5	10	8	35
Signal group 8	2	11	12	11	23
Signal group 9	3	8	11	9	28
Signal group 10	19	5	21	8	162

Signal group 13	1	5	5	5	5
Signal group 14	1	5	5	5	5
Signal group 17	1	6	6	6	6
Signal group 18	1	6	6	6	6

Monday, 17 July 2023, 8:00:00 AM NZST to Monday, 17 July 2023, 8:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	24	10	40	22	539
D phase	5	15	18	16	80
F phase	20	11	17	13	260
Actual cycle	23	22	54	37	855
Signal group 1	21	9	51	22	481
Signal group 2	10	13	210	67	677
Signal group 3	6	5	7	5	35
Signal group 4	16	5	11	7	117
Signal group 6	5	10	13	11	55
Signal group 7	5	5	13	9	45
Signal group 9	6	5	7	5	35
Signal group 10	20	5	22	8	177
Signal group 11	1	5	5	5	5
Signal group 12	1	5	5	5	5
Signal group 19	1	7	7	7	7
Signal group 20	1	6	6	6	6
Pedestrian movement 2	1	2	2	2	2

Monday, 17 July 2023, 8:15:00 AM NZST to Monday, 17 July 2023, 8:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	18	11	95	32	585
D phase	7	15	19	16	113
E phase	1	22	22	22	22
F phase	13	11	16	12	168
Nominal cycle length	1	62	62	62	62
Active cycle length	1	62	62	62	62
Actual cycle	17	24	106	50	851
Signal group 1	18	6	102	28	519
Signal group 2	8	10	309	86	689
Signal group 3	2	6	6	6	12
Signal group 4	11	5	10	7	78
Signal group 5	1	17	17	17	17
Signal group 6	7	10	12	10	76
Signal group 7	8	5	12	8	66
Signal group 8	1	22	22	22	22
Signal group 9	2	6	6	6	12
Signal group 10	17	5	25	9	159
Signal group 11	2	5	5	5	10
Signal group 13	1	5	5	5	5
Signal group 18	1	6	6	6	6
Signal group 20	2	6	6	6	12
Pedestrian movement 1	1	38	38	38	38
Pedestrian movement 3	1	165	165	165	165

Monday, 17 July 2023, 8:30:00 AM NZST to Monday, 17 July 2023, 8:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	18	12	61	27	498
D phase	7	15	16	15	107
E phase	3	11	22	18	55
F phase	14	11	19	13	193
Nominal cycle length	7	60	68	63	444
Active cycle length	7	60	68	63	444
Actual cycle	18	27	77	46	831
Signal group 1	17	9	56	25	429
Signal group 2	10	7	118	54	549
Signal group 3	3	6	12	8	25
Signal group 4	13	5	12	7	96
Signal group 5	3	6	17	13	40
Signal group 6	7	10	11	10	72
Signal group 7	8	5	10	6	55
Signal group 8	3	6	22	15	45
Signal group 9	3	7	17	12	36
Signal group 10	18	5	27	9	178
Signal group 11	3	5	5	5	15
Signal group 13	2	5	5	5	10
Signal group 18	2	6	6	6	12
Signal group 20	3	6	6	6	18
Pedestrian movement 1	2	206	210	208	416
Pedestrian movement 3	1	515	515	515	515

Monday, 17 July 2023, 8:45:00 AM NZST to Monday, 17 July 2023, 9:00:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	18	13	94	30	544
D phase	2	15	16	15	31
E phase	2	15	15	15	30
F phase	18	11	18	13	249
Actual cycle	18	27	108	46	839
Signal group 1	17	8	89	27	471
Signal group 2	4	128	318	187	749
Signal group 3	1	6	6	6	6
Signal group 4	17	5	12	7	134
Signal group 5	2	10	10	10	20
Signal group 6	2	10	11	10	21
Signal group 7	2	5	6	5	11
Signal group 8	2	5	10	7	15
Signal group 9	3	6	10	8	26
Signal group 10	17	5	22	9	165
Signal group 11	1	5	5	5	5
Signal group 12	1	5	5	5	5
Signal group 19	1	9	9	9	9
Signal group 20	1	7	7	7	7
Pedestrian movement 1	1	2	2	2	2

Monday, 17 July 2023, 9:00:00 AM NZST to Monday, 17 July 2023, 9:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	19	10	95	27	530
D phase	5	15	16	15	76
E phase	1	15	15	15	15

F phase	18	11	18	13	247
Actual cycle	19	22	109	44	853
Signal group 1	16	6	122	30	487
Signal group 2	8	31	170	82	658
Signal group 3	3	6	7	6	19
Signal group 4	15	5	12	8	120
Signal group 5	1	10	10	10	10
Signal group 6	5	10	11	10	51
Signal group 7	5	5	10	7	35
Signal group 8	1	10	10	10	10
Signal group 9	4	6	10	7	29
Signal group 10	17	5	25	10	186

Monday, 17 July 2023, 9:15:00 AM NZST to Monday, 17 July 2023, 9:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	22	10	59	23	510
D phase	5	16	19	17	86
E phase	3	15	16	15	46
F phase	18	11	19	13	239
Actual cycle	21	22	74	39	822
Signal group 1	20	6	64	22	446
Signal group 2	8	22	231	71	570
Signal group 3	3	5	7	6	18
Signal group 4	16	5	13	7	120
Signal group 5	3	10	11	10	31
Signal group 6	5	11	14	12	61
Signal group 7	5	7	14	11	56
Signal group 8	3	10	15	12	36
Signal group 9	6	5	11	8	49
Signal group 10	21	5	14	8	181

Monday, 17 July 2023, 9:30:00 AM NZST to Monday, 17 July 2023, 9:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	22	10	57	26	580
D phase	3	16	20	17	52
E phase	2	15	15	15	30
F phase	18	11	18	13	234
Actual cycle	22	22	69	40	896
Signal group 1	19	5	54	27	520
Signal group 2	7	13	347	100	703
Signal group 3	4	5	6	5	21
Signal group 4	15	6	12	7	109
Signal group 5	2	10	10	10	20
Signal group 6	3	11	15	12	37
Signal group 7	3	6	15	10	32
Signal group 8	2	10	10	10	20
Signal group 9	6	5	10	6	41
Signal group 10	17	6	22	8	151
Signal group 11	1	5	5	5	5
Signal group 20	1	6	6	6	6

Monday, 17 July 2023, 9:45:00 AM NZST to Monday, 17 July 2023, 10:00:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	17	11	113	35	608
D phase	1	15	15	15	15
E phase	3	12	22	16	49
F phase	15	11	16	12	193
Actual cycle	16	26	125	52	833
Signal group 1	17	6	108	30	521
Signal group 2	4	30	397	175	703
Signal group 3	1	6	6	6	6
Signal group 4	15	5	10	6	103
Signal group 5	3	6	17	11	33
Signal group 6	2	10	11	10	21
Signal group 7	1	5	5	5	5
Signal group 8	3	10	17	13	39
Signal group 9	3	6	10	7	22
Signal group 10	17	5	11	7	124
Signal group 11	1	6	6	6	6
Signal group 13	1	5	5	5	5
Signal group 18	1	6	6	6	6
Signal group 20	1	7	7	7	7

Monday, 17 July 2023, 10:00:00 AM NZST to Monday, 17 July 2023, 10:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	16	10	46	21	348
D phase	4	15	22	17	71
E phase	2	11	15	13	26
F phase	17	11	47	23	400
Actual cycle	16	31	76	51	817
Signal group 1	15	9	96	39	595
Signal group 2	11	5	79	19	215
Signal group 3	11	5	41	23	260
Signal group 4	10	5	11	6	69
Signal group 5	2	6	10	8	16
Signal group 6	4	10	17	12	51
Signal group 7	4	5	17	9	36
Signal group 8	2	5	6	5	11
Signal group 9	11	5	44	26	286
Signal group 10	12	5	23	9	108
Signal group 11	1	5	5	5	5
Signal group 14	1	5	5	5	5
Signal group 17	1	6	6	6	6
Signal group 20	1	9	9	9	9
Pedestrian movement 1	1	2	2	2	2

Monday, 17 July 2023, 10:15:00 AM NZST to Monday, 17 July 2023, 10:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	21	11	70	24	524
D phase	6	15	23	16	98
E phase	1	16	16	16	16
F phase	17	11	18	13	227
Actual cycle	21	24	85	40	854
Signal group 1	19	7	65	23	455
Signal group 2	9	6	150	56	506

Signal group 3	3	6	9	7	22
Signal group 4	15	5	12	7	109
Signal group 5	1	11	11	11	11
Signal group 6	6	10	18	11	68
Signal group 7	6	5	18	10	63
Signal group 8	1	11	11	11	11
Signal group 9	4	6	11	8	33
Signal group 10	19	5	21	8	164
Signal group 14	1	5	5	5	5
Signal group 17	1	6	6	6	6

Monday, 17 July 2023, 10:30:00 AM NZST to Monday, 17 July 2023, 10:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	16	11	67	34	549
D phase	3	15	15	15	45
F phase	15	11	20	13	202
Actual cycle	16	26	79	49	785
Signal group 1	17	6	62	28	477
Signal group 2	4	8	223	109	438
Signal group 3	1	5	5	5	5
Signal group 4	15	5	14	7	113
Signal group 6	3	10	10	10	30
Signal group 7	3	5	10	8	25
Signal group 9	1	5	5	5	5
Signal group 10	17	5	28	8	148

Monday, 17 July 2023, 10:45:00 AM NZST to Monday, 17 July 2023, 11:00:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	17	12	75	31	539
D phase	7	15	17	15	108
E phase	5	15	16	15	77
F phase	12	11	19	13	159
Actual cycle	17	31	91	50	855
Signal group 1	16	8	70	30	482
Signal group 2	12	7	184	50	603
Signal group 3	2	5	6	5	11
Signal group 4	10	5	13	7	76
Signal group 5	5	10	11	10	52
Signal group 6	7	10	12	10	73
Signal group 7	7	5	12	8	58
Signal group 8	5	5	11	9	47
Signal group 9	6	5	21	11	68
Signal group 10	14	5	28	11	164

Monday, 17 July 2023, 11:00:00 AM NZST to Monday, 17 July 2023, 11:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	16	15	199	39	629
D phase	4	15	16	15	62
E phase	1	11	11	11	11
F phase	13	11	23	14	183
Actual cycle	15	28	211	56	850
Signal group 1	15	10	194	37	566

Signal group 2	6	17	387	108	649
Signal group 3	3	5	6	5	17
Signal group 4	13	5	17	8	107
Signal group 5	1	6	6	6	6
Signal group 6	4	10	11	10	42
Signal group 7	4	5	11	8	32
Signal group 8	1	11	11	11	11
Signal group 9	4	5	6	5	23
Signal group 10	16	5	32	9	154

Monday, 17 July 2023, 11:15:00 AM NZST to Monday, 17 July 2023, 11:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	18	10	67	33	606
D phase	1	15	15	15	15
E phase	2	15	16	15	31
F phase	16	11	16	12	199
Actual cycle	18	21	79	47	851
Signal group 1	19	5	62	29	557
Signal group 2	2	21	634	327	655
Signal group 4	16	5	10	6	103
Signal group 5	2	10	11	10	21
Signal group 6	1	10	10	10	10
Signal group 7	1	10	10	10	10
Signal group 8	2	10	11	10	21
Signal group 9	2	10	11	10	21
Signal group 10	17	5	10	6	113

Monday, 17 July 2023, 11:30:00 AM NZST to Monday, 17 July 2023, 11:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	17	10	111	36	616
D phase	3	15	16	15	46
E phase	3	11	15	13	41
F phase	15	11	15	12	184
Actual cycle	16	22	122	52	835
Signal group 1	14	8	106	41	583
Signal group 2	7	26	130	71	500
Signal group 3	3	5	8	6	19
Signal group 4	13	5	9	6	82
Signal group 5	3	6	10	8	26
Signal group 6	3	10	11	10	31
Signal group 7	3	5	6	5	16
Signal group 8	3	10	11	10	31
Signal group 9	6	5	10	7	45
Signal group 10	15	5	21	7	118
Signal group 11	1	5	5	5	5
Signal group 20	1	6	6	6	6

Monday, 17 July 2023, 11:45:00 AM NZST to Monday, 17 July 2023, 12:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	21	10	59	26	553
D phase	4	15	16	15	63
E phase	3	15	16	15	46

F phase	17	11	17	13	226
Nominal cycle length	2	60	62	61	122
Active cycle length	2	60	62	61	122
Actual cycle	21	24	71	42	888
Signal group 1	20	5	69	24	483
Signal group 2	9	19	163	65	588
Signal group 3	4	7	10	7	31
Signal group 4	15	5	11	7	106
Signal group 5	3	10	11	10	31
Signal group 6	4	10	11	10	43
Signal group 7	4	6	11	9	38
Signal group 8	3	10	11	10	31
Signal group 9	7	7	11	8	62
Signal group 10	18	5	23	8	154

Monday, 17 July 2023, 12:00:00 PM NZST to Monday, 17 July 2023, 12:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	18	10	74	26	483
D phase	4	15	16	15	61
E phase	5	12	16	14	74
F phase	16	11	17	13	217
Actual cycle	18	26	87	45	822
Signal group 1	16	6	103	31	504
Signal group 2	10	15	139	57	573
Signal group 3	3	5	11	8	26
Signal group 4	13	5	10	7	93
Signal group 5	5	7	11	9	48
Signal group 6	4	10	11	10	41
Signal group 7	4	5	10	6	26
Signal group 8	5	10	12	10	54
Signal group 9	8	5	11	9	74
Signal group 10	15	5	22	9	144
Signal group 11	1	5	5	5	5
Signal group 20	1	6	6	6	6

Monday, 17 July 2023, 12:15:00 PM NZST to Monday, 17 July 2023, 12:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	19	10	89	29	552
D phase	2	15	15	15	30
E phase	4	15	16	15	61
F phase	17	11	18	14	238
Actual cycle	19	22	104	45	868
Signal group 1	15	6	84	36	548
Signal group 2	11	8	127	45	505
Signal group 3	7	5	12	7	52
Signal group 4	12	5	12	7	95
Signal group 5	4	10	11	10	41
Signal group 6	2	10	10	10	20
Signal group 7	2	5	10	7	15
Signal group 8	4	5	11	9	36
Signal group 9	10	5	22	9	98
Signal group 10	13	5	24	9	120

Monday, 17 July 2023, 12:30:00 PM NZST to Monday, 17 July 2023, 12:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	21	10	65	23	498
D phase	5	15	15	15	75
E phase	3	11	16	14	42
F phase	20	12	16	13	262
Actual cycle	21	23	78	41	865
Signal group 1	16	6	83	30	488
Signal group 2	13	5	91	42	546
Signal group 3	7	6	10	7	51
Signal group 4	15	5	10	6	102
Signal group 5	3	6	11	9	27
Signal group 6	5	10	10	10	50
Signal group 7	5	5	10	7	35
Signal group 8	3	10	11	10	32
Signal group 9	10	6	11	7	78
Signal group 10	18	5	25	9	162

Monday, 17 July 2023, 12:45:00 PM NZST to Monday, 17 July 2023, 1:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	19	10	108	29	560
D phase	2	15	15	15	30
E phase	2	11	22	16	33
F phase	17	11	18	13	229
Actual cycle	19	22	122	43	834
Signal group 1	17	5	167	29	502
Signal group 2	7	10	210	91	639
Signal group 3	5	6	12	8	41
Signal group 4	15	5	12	7	107
Signal group 5	2	6	17	11	23
Signal group 6	2	10	10	10	20
Signal group 7	2	5	10	7	15
Signal group 8	2	11	17	14	28
Signal group 9	6	6	12	7	47
Signal group 10	17	5	12	7	127
Signal group 13	1	5	5	5	5
Signal group 18	1	6	6	6	6

Monday, 17 July 2023, 1:00:00 PM NZST to Monday, 17 July 2023, 1:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	20	10	61	23	467
D phase	5	15	20	16	83
E phase	1	15	15	15	15
F phase	17	11	19	13	233
Actual cycle	20	22	72	39	787
Signal group 1	15	6	80	31	472
Signal group 2	12	6	84	37	448
Signal group 3	8	5	12	7	56
Signal group 4	11	5	13	7	87
Signal group 5	1	10	10	10	10
Signal group 6	5	10	15	11	58

Signal group 7	5	5	15	10	53
Signal group 8	1	10	10	10	10
Signal group 9	9	5	12	7	66
Signal group 10	15	5	23	10	150

Monday, 17 July 2023, 1:15:00 PM NZST to Monday, 17 July 2023, 1:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	20	10	50	22	458
D phase	5	15	16	15	76
E phase	2	15	22	18	37
F phase	18	11	21	14	252
Actual cycle	20	22	64	40	807
Signal group 1	17	7	66	24	418
Signal group 2	11	9	133	46	509
Signal group 3	7	6	15	8	59
Signal group 4	15	5	11	7	114
Signal group 5	2	10	17	13	27
Signal group 6	5	10	11	10	51
Signal group 7	5	5	11	7	36
Signal group 8	2	10	17	13	27
Signal group 9	8	6	15	8	69
Signal group 10	17	5	24	10	180
Signal group 11	1	5	5	5	5
Signal group 13	1	5	5	5	5
Signal group 18	1	6	6	6	6
Signal group 20	1	7	7	7	7
Pedestrian movement 1	1	2	2	2	2

Monday, 17 July 2023, 1:30:00 PM NZST to Monday, 17 July 2023, 1:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	22	10	71	23	506
D phase	3	15	15	15	45
F phase	23	11	17	12	297
Actual cycle	22	22	85	37	834
Signal group 1	18	5	66	24	435
Signal group 2	8	18	128	83	670
Signal group 3	7	6	8	7	50
Signal group 4	19	5	11	6	130
Signal group 6	3	10	10	10	30
Signal group 7	3	5	5	5	15
Signal group 9	7	6	8	7	50
Signal group 10	19	5	21	9	175

Monday, 17 July 2023, 1:45:00 PM NZST to Monday, 17 July 2023, 2:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	17	10	103	32	555
D phase	1	15	15	15	15
E phase	2	15	15	15	30
F phase	18	11	19	13	241
Actual cycle	17	23	130	48	829
Signal group 1	14	6	98	37	526
Signal group 2	5	10	181	84	424

Signal group 3	3	5	11	7	23
Signal group 4	15	5	13	7	110
Signal group 5	2	10	10	10	20
Signal group 6	1	10	10	10	10
Signal group 7	1	5	5	5	5
Signal group 8	2	10	10	10	20
Signal group 9	5	5	11	8	43
Signal group 10	15	5	22	8	125

Monday, 17 July 2023, 2:00:00 PM NZST to Monday, 17 July 2023, 2:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	22	10	53	24	535
D phase	2	15	16	15	31
E phase	1	15	15	15	15
F phase	20	11	22	13	269
Nominal cycle length	2	60	62	61	122
Active cycle length	2	60	62	61	122
Actual cycle	22	22	64	38	839
Signal group 1	20	5	55	22	458
Signal group 2	6	12	262	115	695
Signal group 3	4	5	6	5	21
Signal group 4	18	5	16	7	138
Signal group 5	1	10	10	10	10
Signal group 6	2	10	11	10	21
Signal group 7	2	10	11	10	21
Signal group 8	1	10	10	10	10
Signal group 9	5	5	10	6	31
Signal group 10	20	5	16	7	159

Monday, 17 July 2023, 2:15:00 PM NZST to Monday, 17 July 2023, 2:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	19	10	65	27	523
D phase	3	15	15	15	45
E phase	1	22	22	22	22
F phase	19	11	18	13	248
Actual cycle	19	23	76	43	823
Signal group 1	19	5	60	22	426
Signal group 2	4	43	307	177	709
Signal group 3	2	7	7	7	14
Signal group 4	19	5	12	7	133
Signal group 5	1	17	17	17	17
Signal group 6	3	10	10	10	30
Signal group 7	3	5	10	6	20
Signal group 8	1	17	17	17	17
Signal group 9	2	7	7	7	14
Signal group 10	20	5	27	8	173
Signal group 13	1	5	5	5	5
Signal group 18	1	6	6	6	6

Monday, 17 July 2023, 2:30:00 PM NZST to Monday, 17 July 2023, 2:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	20	10	75	23	477

D phase	8	15	16	15	123
E phase	4	15	17	15	63
F phase	15	11	20	14	223
Nominal cycle length	5	60	74	67	338
Active cycle length	5	60	74	67	338
Actual cycle	19	22	92	45	858
Signal group 1	20	7	70	19	390
Signal group 2	13	7	151	45	588
Signal group 3	4	5	7	5	23
Signal group 4	14	5	14	9	126
Signal group 5	4	10	12	10	43
Signal group 6	8	10	11	10	83
Signal group 7	8	5	11	6	53
Signal group 8	4	6	17	10	43
Signal group 9	7	5	23	10	71
Signal group 10	18	5	29	12	229
Signal group 11	1	5	5	5	5
Signal group 20	1	6	6	6	6

Monday, 17 July 2023, 2:45:00 PM NZST to Monday, 17 July 2023, 3:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	18	11	103	29	537
D phase	5	15	15	15	75
E phase	3	12	16	13	41
F phase	17	11	19	14	245
Actual cycle	17	25	119	50	858
Signal group 1	17	6	98	25	441
Signal group 2	7	25	214	104	733
Signal group 3	1	8	8	8	8
Signal group 4	17	5	13	8	141
Signal group 5	3	7	11	8	26
Signal group 6	4	10	10	10	40
Signal group 7	5	5	5	5	25
Signal group 8	3	11	13	12	36
Signal group 9	4	7	11	8	34
Signal group 10	18	5	28	10	196

Monday, 17 July 2023, 3:00:00 PM NZST to Monday, 17 July 2023, 3:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	18	11	56	30	552
D phase	4	15	17	16	64
E phase	3	11	15	13	41
F phase	16	11	19	13	219
Nominal cycle length	5	62	81	73	369
Active cycle length	5	62	81	73	369
Actual cycle	18	29	68	48	876
Signal group 1	17	8	51	26	456
Signal group 2	7	12	138	71	501
Signal group 3	2	5	6	5	11
Signal group 4	16	5	13	7	123
Signal group 5	3	6	10	8	26
Signal group 6	4	10	12	11	44
Signal group 7	4	5	12	7	29

Signal group 8	3	10	11	10	31
Signal group 9	5	5	10	7	37
Signal group 10	18	5	24	9	177

Monday, 17 July 2023, 3:15:00 PM NZST to Monday, 17 July 2023, 3:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	19	10	49	27	522
D phase	3	15	15	15	45
E phase	3	15	17	16	48
F phase	19	11	22	13	259
Nominal cycle length	8	60	67	62	503
Active cycle length	8	60	67	62	503
Actual cycle	19	22	64	45	862
Signal group 1	16	14	68	31	509
Signal group 2	9	30	98	59	533
Signal group 3	4	6	11	8	32
Signal group 4	15	5	16	7	113
Signal group 5	3	10	12	11	33
Signal group 6	3	10	10	10	30
Signal group 7	3	5	5	5	15
Signal group 8	3	10	12	11	33
Signal group 9	7	6	12	9	65
Signal group 10	15	5	23	10	158

Monday, 17 July 2023, 3:30:00 PM NZST to Monday, 17 July 2023, 3:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	19	12	66	28	546
D phase	3	15	15	15	45
E phase	3	15	22	17	52
F phase	19	11	18	13	251
Nominal cycle length	5	60	73	67	335
Active cycle length	5	60	73	67	335
Actual cycle	19	25	83	46	882
Signal group 1	19	7	61	23	449
Signal group 2	7	39	171	89	627
Signal group 3	2	6	6	6	12
Signal group 4	19	5	12	7	135
Signal group 5	3	10	17	12	37
Signal group 6	3	10	10	10	30
Signal group 7	3	5	10	6	20
Signal group 8	3	10	17	12	37
Signal group 9	4	6	10	8	32
Signal group 10	20	5	22	8	175
Signal group 11	1	5	5	5	5
Signal group 13	1	5	5	5	5
Signal group 18	1	6	6	6	6
Signal group 20	1	6	6	6	6

Monday, 17 July 2023, 3:45:00 PM NZST to Monday, 17 July 2023, 4:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	16	14	78	35	562
D phase	5	15	22	16	83

E phase	2	15	16	15	31
F phase	14	11	19	13	188
Nominal cycle length	4	60	62	60	243
Active cycle length	4	60	62	60	243
Actual cycle	15	30	96	53	797
Signal group 1	15	9	73	34	511
Signal group 2	8	25	183	75	605
Signal group 3	4	5	8	6	27
Signal group 4	12	5	13	7	90
Signal group 5	2	10	11	10	21
Signal group 6	5	10	17	11	58
Signal group 7	5	5	12	9	48
Signal group 8	2	6	10	8	16
Signal group 9	5	6	21	10	53
Signal group 10	15	5	22	9	136
Signal group 14	1	5	5	5	5
Signal group 17	1	6	6	6	6

Monday, 17 July 2023, 4:00:00 PM NZST to Monday, 17 July 2023, 4:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	18	10	59	28	517
D phase	4	15	18	16	64
E phase	6	15	16	15	92
F phase	15	12	19	14	216
Nominal cycle length	5	60	65	62	312
Active cycle length	5	60	65	62	312
Actual cycle	17	22	86	49	842
Signal group 1	16	15	62	28	461
Signal group 2	12	5	82	41	501
Signal group 3	3	6	6	6	18
Signal group 4	13	6	13	8	106
Signal group 5	6	10	11	10	62
Signal group 6	4	10	13	11	44
Signal group 7	4	5	10	7	29
Signal group 8	6	10	11	10	62
Signal group 9	9	6	11	8	80
Signal group 10	16	6	28	9	155
Signal group 11	3	5	5	5	15
Signal group 20	3	6	6	6	18
Pedestrian movement 1	2	158	362	260	520

Monday, 17 July 2023, 4:15:00 PM NZST to Monday, 17 July 2023, 4:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	18	11	55	28	507
D phase	7	15	16	15	107
E phase	6	11	16	14	88
F phase	13	12	17	14	189
Nominal cycle length	7	60	73	65	456
Active cycle length	7	60	73	65	456
Actual cycle	18	24	79	49	891
Signal group 1	18	6	50	24	432
Signal group 2	11	10	161	53	589
Signal group 3	2	5	9	7	14

Signal group 4	12	6	11	8	102
Signal group 5	6	6	11	9	58
Signal group 6	7	10	11	10	72
Signal group 7	7	5	11	8	57
Signal group 8	6	6	11	9	58
Signal group 9	7	9	16	11	77
Signal group 10	17	6	26	10	184

Monday, 17 July 2023, 4:30:00 PM NZST to Monday, 17 July 2023, 4:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	13	23	46	35	464
D phase	7	15	22	17	121
E phase	9	11	22	16	145
F phase	11	12	20	14	155
Nominal cycle length	10	61	86	72	721
Active cycle length	10	61	86	72	721
Actual cycle	12	42	96	68	818
Signal group 1	13	18	41	30	393
Signal group 2	11	30	105	46	507
Signal group 3	1	6	6	6	6
Signal group 4	11	6	14	7	87
Signal group 5	9	6	17	11	100
Signal group 6	7	10	17	12	85
Signal group 7	7	5	12	7	50
Signal group 8	9	10	22	13	120
Signal group 9	8	6	15	9	72
Signal group 10	13	6	28	10	138
Signal group 11	1	5	5	5	5
Signal group 13	2	5	5	5	10
Signal group 14	2	5	5	5	10
Signal group 17	2	6	6	6	12
Signal group 18	2	6	6	6	12
Signal group 20	1	6	6	6	6
Pedestrian movement 3	1	76	76	76	76
Pedestrian movement 4	1	636	636	636	636

Monday, 17 July 2023, 4:45:00 PM NZST to Monday, 17 July 2023, 5:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	17	11	49	28	492
D phase	6	15	16	15	92
E phase	4	15	22	16	67
F phase	13	12	22	16	216
Nominal cycle length	11	71	93	82	909
Active cycle length	11	71	93	82	909
Actual cycle	17	26	80	51	867
Signal group 1	17	6	44	24	418
Signal group 2	10	6	103	56	560
Signal group 3	2	6	7	6	13
Signal group 4	12	6	16	10	129
Signal group 5	4	10	17	11	47
Signal group 6	6	10	11	10	62
Signal group 7	6	5	11	7	47
Signal group 8	4	5	17	10	42

Signal group 9	4	6	22	12	48
Signal group 10	15	6	31	13	206
Signal group 11	1	5	5	5	5
Signal group 13	1	5	5	5	5
Signal group 18	1	6	6	6	6
Signal group 20	1	6	6	6	6

Monday, 17 July 2023, 5:00:00 PM NZST to Monday, 17 July 2023, 5:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	16	13	60	34	547
D phase	6	15	18	15	93
E phase	3	11	15	12	37
F phase	15	11	18	13	209
Nominal cycle length	5	60	86	72	362
Active cycle length	5	60	86	72	362
Actual cycle	16	24	92	54	875
Signal group 1	16	8	55	29	467
Signal group 2	6	21	156	85	510
Signal group 4	15	5	12	7	119
Signal group 5	3	6	10	7	22
Signal group 6	6	10	13	10	63
Signal group 7	6	5	10	6	38
Signal group 8	3	10	11	10	32
Signal group 9	3	6	10	7	22
Signal group 10	18	5	22	10	197

Monday, 17 July 2023, 5:15:00 PM NZST to Monday, 17 July 2023, 5:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	19	11	54	23	437
D phase	6	15	16	15	92
E phase	4	11	23	16	64
F phase	16	12	46	17	275
Nominal cycle length	10	69	86	78	786
Active cycle length	10	69	86	78	786
Actual cycle	19	26	75	45	868
Signal group 1	18	6	51	19	357
Signal group 2	11	9	121	43	478
Signal group 3	4	6	40	17	69
Signal group 4	16	5	13	8	138
Signal group 5	4	6	18	11	44
Signal group 6	6	10	11	10	62
Signal group 7	6	5	11	7	43
Signal group 8	4	10	18	12	49
Signal group 9	7	6	40	13	95
Signal group 10	19	5	26	11	215
Signal group 11	1	5	5	5	5
Signal group 13	1	5	5	5	5
Signal group 18	1	6	6	6	6
Signal group 20	1	6	6	6	6

Monday, 17 July 2023, 5:30:00 PM NZST to Monday, 17 July 2023, 5:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total

A phase	21	11	57	25	528
D phase	5	15	16	15	76
E phase	1	15	15	15	15
F phase	18	11	20	14	260
Nominal cycle length	6	60	73	68	408
Active cycle length	6	60	73	68	408
Actual cycle	20	23	69	42	844
Signal group 1	21	6	52	20	423
Signal group 2	6	41	188	109	656
Signal group 4	18	5	14	8	152
Signal group 5	1	10	10	10	10
Signal group 6	6	10	11	10	62
Signal group 7	6	5	10	7	47
Signal group 8	1	10	10	10	10
Signal group 9	1	10	10	10	10
Signal group 10	21	5	28	10	213

Monday, 17 July 2023, 5:45:00 PM NZST to Monday, 17 July 2023, 6:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	19	10	67	31	594
D phase	6	15	16	15	91
F phase	15	12	17	14	212
Nominal cycle length	4	60	63	61	246
Active cycle length	4	60	63	61	246
Actual cycle	18	25	60	45	816
Signal group 1	19	5	62	26	499
Signal group 2	6	22	150	70	420
Signal group 4	15	6	11	8	122
Signal group 6	6	10	11	10	61
Signal group 7	6	5	10	7	46
Signal group 10	18	6	24	10	185
Signal group 11	2	5	5	5	10
Signal group 20	2	6	6	6	12
Pedestrian movement 1	1	219	219	219	219

Monday, 17 July 2023, 6:00:00 PM NZST to Monday, 17 July 2023, 6:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	15	10	41	23	350
D phase	2	15	16	15	31
F phase	15	13	51	34	517
Nominal cycle length	7	60	69	63	445
Active cycle length	7	60	69	63	445
Actual cycle	14	60	69	61	862
Signal group 1	11	15	116	59	657
Signal group 2	14	5	36	19	270
Signal group 3	14	8	45	29	419
Signal group 4	9	7	12	9	85
Signal group 6	2	10	11	10	21
Signal group 7	2	5	11	8	16
Signal group 9	14	8	45	29	419
Signal group 10	10	7	23	11	111
Signal group 11	1	5	5	5	5
Signal group 20	1	11	11	11	11

Monday, 17 July 2023, 6:15:00 PM NZST to Monday, 17 July 2023, 6:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	14	11	40	23	325
D phase	4	15	16	15	61
F phase	13	12	49	28	368
Actual cycle	14	24	60	53	754
Signal group 1	13	7	82	39	509
Signal group 2	12	6	91	24	289
Signal group 3	11	8	43	25	278
Signal group 4	10	6	15	8	82
Signal group 6	4	10	11	10	41
Signal group 7	4	6	10	9	36
Signal group 9	11	8	43	25	278
Signal group 10	13	6	24	9	128

Monday, 17 July 2023, 6:30:00 PM NZST to Monday, 17 July 2023, 6:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	15	11	160	43	651
D phase	1	16	16	16	16
F phase	14	11	18	13	187
Actual cycle	14	24	172	58	825
Signal group 1	14	6	155	42	595
Signal group 2	2	112	467	289	579
Signal group 3	1	8	8	8	8
Signal group 4	13	5	12	7	95
Signal group 6	1	11	11	11	11
Signal group 7	1	11	11	11	11
Signal group 9	1	8	8	8	8
Signal group 10	14	5	12	7	106

Monday, 17 July 2023, 6:45:00 PM NZST to Monday, 17 July 2023, 7:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	20	10	73	26	524
D phase	5	15	18	15	79
E phase	1	15	15	15	15
F phase	18	11	19	13	245
Actual cycle	20	23	90	43	863
Signal group 1	20	5	68	21	424
Signal group 2	6	51	192	106	641
Signal group 3	1	6	6	6	6
Signal group 4	18	5	13	7	136
Signal group 5	1	10	10	10	10
Signal group 6	5	10	13	10	54
Signal group 7	5	5	13	6	34
Signal group 8	1	10	10	10	10
Signal group 9	2	6	10	8	16
Signal group 10	19	5	29	11	210
Signal group 11	1	5	5	5	5
Signal group 20	1	6	6	6	6

Monday, 17 July 2023, 7:00:00 PM NZST to Monday, 17 July 2023, 7:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	16	10	107	39	624
D phase	2	15	15	15	30
E phase	1	15	15	15	15
F phase	14	11	16	12	175
Actual cycle	16	22	119	51	828
Signal group 1	15	5	102	37	562
Signal group 2	3	53	183	127	381
Signal group 3	1	7	7	7	7
Signal group 4	13	5	10	6	82
Signal group 5	1	10	10	10	10
Signal group 6	2	10	10	10	20
Signal group 7	2	10	10	10	20
Signal group 8	1	10	10	10	10
Signal group 9	2	7	10	8	17
Signal group 10	15	5	10	6	102
Signal group 11	1	5	5	5	5
Signal group 20	1	6	6	6	6

Monday, 17 July 2023, 7:15:00 PM NZST to Monday, 17 July 2023, 7:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	16	11	87	40	653
D phase	3	15	16	15	46
F phase	15	11	15	12	192
Actual cycle	15	29	98	56	842
Signal group 1	15	6	82	34	520
Signal group 2	2	55	164	109	219
Signal group 4	16	5	9	6	107
Signal group 6	3	10	11	10	31
Signal group 7	3	5	6	5	16
Signal group 10	16	5	22	9	153

Monday, 17 July 2023, 7:30:00 PM NZST to Monday, 17 July 2023, 7:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	13	11	174	56	737
D phase	1	15	15	15	15
E phase	1	15	15	15	15
F phase	10	11	15	12	122
Actual cycle	12	26	129	59	715
Signal group 1	13	6	169	51	672
Signal group 2	1	388	388	388	388
Signal group 4	11	5	9	6	71
Signal group 5	1	10	10	10	10
Signal group 6	1	10	10	10	10
Signal group 7	1	10	10	10	10
Signal group 8	1	10	10	10	10
Signal group 9	1	10	10	10	10
Signal group 10	12	5	10	6	81

Monday, 17 July 2023, 7:45:00 PM NZST to Monday, 17 July 2023, 8:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	9	10	192	86	778

D phase	1	16	16	16	16
F phase	8	11	15	12	97
Actual cycle	9	26	203	99	891
Signal group 1	8	5	187	93	750
Signal group 2	1	54	54	54	54
Signal group 3	1	6	6	6	6
Signal group 4	7	5	9	6	43
Signal group 6	1	11	11	11	11
Signal group 7	1	11	11	11	11
Signal group 9	1	6	6	6	6
Signal group 10	8	5	11	6	54

Monday, 17 July 2023, 8:00:00 PM NZST to Monday, 17 July 2023, 8:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	14	15	139	47	665
F phase	15	11	16	12	188
Actual cycle	14	26	150	60	840
Signal group 1	14	10	134	42	595
Signal group 4	15	5	10	6	98
Signal group 10	15	5	10	6	98

Monday, 17 July 2023, 8:15:00 PM NZST to Monday, 17 July 2023, 8:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	16	10	110	40	648
D phase	3	15	16	15	46
F phase	15	11	15	12	181
Actual cycle	16	22	123	53	863
Signal group 1	16	5	105	35	568
Signal group 2	2	234	462	348	696
Signal group 4	15	5	9	6	91
Signal group 6	3	10	11	10	31
Signal group 7	3	5	11	8	26
Signal group 10	17	5	20	7	127

Monday, 17 July 2023, 8:30:00 PM NZST to Monday, 17 July 2023, 8:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	8	10	247	87	698
D phase	3	15	16	15	47
F phase	6	11	15	12	72
Actual cycle	8	26	259	100	806
Signal group 1	7	5	319	96	675
Signal group 2	3	58	242	164	492
Signal group 3	1	6	6	6	6
Signal group 4	5	5	9	6	30
Signal group 6	3	10	11	10	32
Signal group 7	3	10	11	10	32
Signal group 9	1	6	6	6	6
Signal group 10	8	5	11	7	62

Monday, 17 July 2023, 8:45:00 PM NZST to Monday, 17 July 2023, 9:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total

A phase	8	14	245	90	721
D phase	2	15	15	15	30
F phase	9	11	14	12	108
Actual cycle	8	30	259	105	847
Signal group 1	8	9	240	85	681
Signal group 2	1	20	20	20	20
Signal group 4	9	5	8	6	54
Signal group 6	2	10	10	10	20
Signal group 7	2	5	5	5	10
Signal group 10	9	5	22	9	84

Monday, 17 July 2023, 9:00:00 PM NZST to Monday, 17 July 2023, 9:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	8	11	279	72	578
D phase	2	15	16	15	31
F phase	8	11	12	11	91
Actual cycle	8	22	290	86	688
Signal group 1	8	6	274	87	701
Signal group 2	3	6	83	50	150
Signal group 3	2	5	5	5	10
Signal group 4	7	5	6	5	38
Signal group 6	2	10	11	10	21
Signal group 7	2	5	11	8	16
Signal group 9	2	5	5	5	10
Signal group 10	8	5	21	8	64

Monday, 17 July 2023, 9:15:00 PM NZST to Monday, 17 July 2023, 9:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	10	11	194	74	747
D phase	1	15	15	15	15
F phase	10	11	17	12	125
Actual cycle	10	24	207	87	876
Signal group 1	10	6	189	69	697
Signal group 4	10	5	11	6	65
Signal group 6	1	10	10	10	10
Signal group 7	1	10	10	10	10
Signal group 10	11	5	11	6	75

Monday, 17 July 2023, 9:30:00 PM NZST to Monday, 17 July 2023, 9:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	10	10	235	70	701
D phase	1	15	15	15	15
F phase	10	11	17	12	121
Actual cycle	10	23	246	82	825
Signal group 1	10	5	230	65	651
Signal group 4	10	5	11	6	61
Signal group 6	1	10	10	10	10
Signal group 7	1	10	10	10	10
Signal group 10	11	5	11	6	71

Monday, 17 July 2023, 9:45:00 PM NZST to Monday, 17 July 2023, 10:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	8	10	225	95	761
D phase	2	15	16	15	31
F phase	7	11	20	12	89
Actual cycle	8	26	245	108	866
Signal group 1	8	5	220	90	721
Signal group 2	1	458	458	458	458
Signal group 4	7	5	14	6	47
Signal group 6	2	10	11	10	21
Signal group 7	2	10	11	10	21
Signal group 10	9	5	14	7	68

Monday, 17 July 2023, 10:00:00 PM NZST to Monday, 17 July 2023, 10:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	3	16	537	229	689
D phase	1	15	15	15	15
F phase	3	11	12	11	34
Actual cycle	3	28	548	241	723
Signal group 1	3	11	532	224	674
Signal group 4	3	5	6	5	16
Signal group 6	1	10	10	10	10
Signal group 7	1	10	10	10	10
Signal group 10	4	5	10	6	26

Monday, 17 July 2023, 10:15:00 PM NZST to Monday, 17 July 2023, 10:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	5	11	186	99	498
D phase	1	15	15	15	15
F phase	5	11	13	11	58
Actual cycle	5	26	198	112	560
Signal group 1	5	6	181	94	473
Signal group 4	5	5	7	5	28
Signal group 6	1	10	10	10	10
Signal group 7	1	10	10	10	10
Signal group 10	6	5	10	6	38

Monday, 17 July 2023, 10:30:00 PM NZST to Monday, 17 July 2023, 10:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	6	10	210	116	698
D phase	2	15	15	15	30
F phase	5	11	13	12	60
Actual cycle	6	23	225	129	776
Signal group 1	6	5	205	111	668
Signal group 2	1	205	205	205	205
Signal group 4	5	5	7	6	30
Signal group 6	2	10	10	10	20
Signal group 7	2	10	10	10	20
Signal group 10	7	5	10	7	50

Monday, 17 July 2023, 10:45:00 PM NZST to Monday, 17 July 2023, 11:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total

A phase	7	10	349	83	585
D phase	4	15	16	15	61
F phase	4	11	14	12	51
Actual cycle	7	26	364	98	686
Signal group 1	7	5	344	78	550
Signal group 2	3	92	344	189	567
Signal group 4	4	5	8	6	27
Signal group 6	4	10	11	10	41
Signal group 7	4	10	11	10	41
Signal group 10	8	5	11	8	68

Monday, 17 July 2023, 11:00:00 PM NZST to Monday, 17 July 2023, 11:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	1	668	668	668	668
F phase	1	13	13	13	13
Signal group 1	1	663	663	663	663
Signal group 4	1	7	7	7	7
Signal group 10	1	7	7	7	7

Monday, 17 July 2023, 11:15:00 PM NZST to Monday, 17 July 2023, 11:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	2	60	546	303	606
F phase	2	11	16	13	27
Actual cycle	2	71	562	316	633
Signal group 1	2	55	541	298	596
Signal group 4	2	5	10	7	15
Signal group 10	2	5	10	7	15

Monday, 17 July 2023, 11:30:00 PM NZST to Monday, 17 July 2023, 11:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	2	26	38	32	64
F phase	3	11	12	11	34
Actual cycle	2	38	49	43	87
Signal group 1	2	21	33	27	54
Signal group 4	3	5	6	5	16
Signal group 10	3	5	6	5	16

Monday, 17 July 2023, 11:45:00 PM NZST to Tuesday, 18 July 2023, 12:00:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	2	96	486	291	582
F phase	2	12	13	12	25
Actual cycle	2	96	499	297	595
Signal group 1	2	97	481	289	578
Signal group 4	2	6	7	6	13
Signal group 10	2	6	7	6	13

Report: Periodic statistics for site 1635

15 minute intervals

From: Friday, 21 July 2023, 12:00:00 AM NZST

To: Friday, 21 July 2023, 11:59:59 PM NZST

Friday, 21 July 2023, 12:00:00 AM NZST to Friday, 21 July 2023, 12:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
Unknown phase	1	40	40	40	40
A phase	2	24	342	183	366
F phase	2	11	12	11	23
Actual cycle	3	36	353	143	429
Signal group 1	1	337	337	337	337
Signal group 4	2	5	6	5	11
Signal group 10	2	5	6	5	11

Friday, 21 July 2023, 12:15:00 AM NZST to Friday, 21 July 2023, 12:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	4	10	328	115	463
D phase	1	16	16	16	16
F phase	4	11	13	11	47
Actual cycle	4	26	341	128	514
Signal group 1	4	5	323	110	443
Signal group 4	4	5	7	5	23
Signal group 6	1	11	11	11	11
Signal group 7	1	11	11	11	11
Signal group 10	5	5	11	6	34

Friday, 21 July 2023, 12:30:00 AM NZST to Friday, 21 July 2023, 12:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	2	75	288	181	363
F phase	3	11	12	11	34
Actual cycle	2	87	299	193	386
Signal group 1	2	70	283	176	353
Signal group 4	3	5	6	5	16
Signal group 10	3	5	6	5	16

Friday, 21 July 2023, 1:00:00 AM NZST to Friday, 21 July 2023, 1:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	1	296	296	296	296
F phase	2	11	14	12	25
Actual cycle	1	307	307	307	307
Signal group 1	1	291	291	291	291
Signal group 4	2	5	8	6	13
Signal group 10	2	5	8	6	13

Friday, 21 July 2023, 1:15:00 AM NZST to Friday, 21 July 2023, 1:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	1	302	302	302	302
F phase	2	14	14	14	28

Actual cycle	1	316	316	316	316
Signal group 1	1	297	297	297	297
Signal group 4	2	8	8	8	16
Signal group 10	2	8	8	8	16

Friday, 21 July 2023, 2:00:00 AM NZST to Friday, 21 July 2023, 2:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	1	10	10	10	10
D phase	1	16	16	16	16
F phase	1	11	11	11	11
Actual cycle	1	26	26	26	26
Signal group 1	1	5	5	5	5
Signal group 4	1	5	5	5	5
Signal group 6	1	11	11	11	11
Signal group 7	1	11	11	11	11
Signal group 10	2	5	11	8	16

Friday, 21 July 2023, 3:30:00 AM NZST to Friday, 21 July 2023, 3:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
F phase	1	11	11	11	11
Signal group 4	1	5	5	5	5
Signal group 10	1	5	5	5	5

Friday, 21 July 2023, 3:45:00 AM NZST to Friday, 21 July 2023, 4:00:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	1	575	575	575	575
F phase	2	11	12	11	23
Actual cycle	1	587	587	587	587
Signal group 1	1	570	570	570	570
Signal group 4	2	5	6	5	11
Signal group 10	2	5	6	5	11

Friday, 21 July 2023, 4:30:00 AM NZST to Friday, 21 July 2023, 4:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	3	159	294	209	628
D phase	1	15	15	15	15
F phase	3	11	13	11	35
Actual cycle	3	172	305	222	667
Signal group 1	3	154	289	204	613
Signal group 4	3	5	7	5	17
Signal group 6	1	10	10	10	10
Signal group 7	1	10	10	10	10
Signal group 10	4	5	10	6	27

Friday, 21 July 2023, 4:45:00 AM NZST to Friday, 21 July 2023, 5:00:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	1	58	58	58	58
F phase	2	11	11	11	22
Actual cycle	1	69	69	69	69
Signal group 1	1	53	53	53	53

Signal group 4	2	5	5	5	10
Signal group 10	2	5	5	5	10

Friday, 21 July 2023, 5:00:00 AM NZST to Friday, 21 July 2023, 5:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	1	292	292	292	292
F phase	2	12	12	12	24
Actual cycle	1	304	304	304	304
Signal group 1	1	287	287	287	287
Signal group 4	2	6	6	6	12
Signal group 10	2	6	6	6	12

Friday, 21 July 2023, 5:15:00 AM NZST to Friday, 21 July 2023, 5:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	8	31	192	89	716
F phase	9	11	13	11	102
Actual cycle	8	42	203	100	807
Signal group 1	8	26	187	84	676
Signal group 4	9	5	7	5	48
Signal group 10	9	5	7	5	48

Friday, 21 July 2023, 5:30:00 AM NZST to Friday, 21 July 2023, 5:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	4	26	228	103	413
F phase	5	11	12	11	56
Actual cycle	4	37	240	114	458
Signal group 1	4	21	223	98	393
Signal group 3	1	5	5	5	5
Signal group 4	5	5	6	5	26
Signal group 9	1	5	5	5	5
Signal group 10	5	5	6	5	26

Friday, 21 July 2023, 5:45:00 AM NZST to Friday, 21 July 2023, 6:00:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	14	10	153	41	580
D phase	2	15	16	15	31
F phase	12	11	14	11	143
Actual cycle	13	23	165	51	675
Signal group 1	12	5	148	45	544
Signal group 2	4	5	390	135	541
Signal group 3	3	5	6	5	17
Signal group 4	10	5	8	5	59
Signal group 6	2	10	11	10	21
Signal group 7	2	10	11	10	21
Signal group 9	3	5	6	5	17
Signal group 10	12	5	11	6	80

Friday, 21 July 2023, 6:00:00 AM NZST to Friday, 21 July 2023, 6:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	15	10	112	46	690

E phase	1	15	15	15	15
F phase	15	11	15	12	181
Actual cycle	15	25	123	59	886
Signal group 1	15	5	107	41	615
Signal group 4	15	5	9	6	91
Signal group 5	1	10	10	10	10
Signal group 8	1	10	10	10	10
Signal group 9	1	10	10	10	10
Signal group 10	15	5	9	6	91

Friday, 21 July 2023, 6:15:00 AM NZST to Friday, 21 July 2023, 6:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	15	10	132	40	612
D phase	2	15	16	15	31
E phase	1	15	15	15	15
F phase	14	11	17	12	172
Actual cycle	15	22	158	54	818
Signal group 1	15	5	127	35	537
Signal group 2	2	17	182	99	199
Signal group 4	14	5	11	6	88
Signal group 5	1	10	10	10	10
Signal group 6	2	10	11	10	21
Signal group 7	2	5	11	8	16
Signal group 8	1	10	10	10	10
Signal group 9	1	10	10	10	10
Signal group 10	15	5	20	7	114

Friday, 21 July 2023, 6:30:00 AM NZST to Friday, 21 July 2023, 6:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	12	14	123	45	545
D phase	3	15	15	15	45
F phase	10	11	13	11	115
Actual cycle	12	25	134	57	694
Signal group 1	12	9	118	40	485
Signal group 2	3	9	256	93	281
Signal group 3	1	5	5	5	5
Signal group 4	10	5	7	5	55
Signal group 6	3	10	10	10	30
Signal group 7	3	10	10	10	30
Signal group 9	1	5	5	5	5
Signal group 10	13	5	10	6	85

Friday, 21 July 2023, 6:45:00 AM NZST to Friday, 21 July 2023, 7:00:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	17	10	111	35	599
D phase	3	15	18	16	49
E phase	2	16	22	19	38
F phase	14	11	22	13	187
Actual cycle	16	24	122	52	846
Signal group 1	14	5	107	38	539
Signal group 2	8	5	201	88	710
Signal group 3	3	5	6	5	16

Signal group 4	11	5	16	7	87
Signal group 5	2	11	17	14	28
Signal group 6	4	10	13	11	44
Signal group 7	4	5	13	8	34
Signal group 8	2	11	17	14	28
Signal group 9	4	5	11	6	27
Signal group 10	14	5	21	9	136
Signal group 13	1	5	5	5	5
Signal group 18	1	6	6	6	6

Friday, 21 July 2023, 7:00:00 AM NZST to Friday, 21 July 2023, 7:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	19	10	117	32	611
D phase	5	15	16	15	78
E phase	2	11	15	13	26
F phase	14	11	23	13	183
Actual cycle	18	22	128	47	861
Signal group 1	19	5	112	27	518
Signal group 2	10	12	235	70	707
Signal group 3	3	5	7	6	19
Signal group 4	14	5	17	6	97
Signal group 5	2	6	10	8	16
Signal group 6	5	10	11	10	53
Signal group 7	5	6	11	9	48
Signal group 8	2	10	11	10	21
Signal group 9	5	5	10	7	35
Signal group 10	18	5	21	8	155

Friday, 21 July 2023, 7:15:00 AM NZST to Friday, 21 July 2023, 7:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	20	10	89	30	607
D phase	3	15	16	15	46
F phase	17	11	26	13	228
Actual cycle	20	24	104	44	881
Signal group 1	19	5	84	27	524
Signal group 2	4	83	160	119	479
Signal group 3	1	6	6	6	6
Signal group 4	16	5	20	7	120
Signal group 6	3	10	11	10	31
Signal group 7	4	10	11	10	41
Signal group 9	1	6	6	6	6
Signal group 10	19	5	20	7	151

Friday, 21 July 2023, 7:30:00 AM NZST to Friday, 21 July 2023, 7:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	20	10	90	29	582
D phase	5	15	19	15	79
F phase	16	11	19	14	226
Actual cycle	19	22	62	40	763
Signal group 1	20	5	85	24	482
Signal group 2	5	12	235	135	675
Signal group 3	1	5	5	5	5

Signal group 4	17	5	13	7	135
Signal group 6	5	10	14	10	54
Signal group 7	5	5	14	9	49
Signal group 9	1	5	5	5	5
Signal group 10	21	5	28	9	194

Friday, 21 July 2023, 7:45:00 AM NZST to Friday, 21 July 2023, 8:00:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	19	11	80	27	528
D phase	6	15	16	15	93
E phase	1	23	23	23	23
F phase	14	11	22	14	208
Actual cycle	19	27	94	44	852
Signal group 1	19	5	75	22	432
Signal group 2	5	44	256	118	590
Signal group 4	14	5	16	8	124
Signal group 5	1	18	18	18	18
Signal group 6	6	10	11	10	62
Signal group 7	6	5	11	9	57
Signal group 8	1	23	23	23	23
Signal group 10	20	5	16	9	186
Signal group 13	1	5	5	5	5
Signal group 18	1	6	6	6	6

Friday, 21 July 2023, 8:00:00 AM NZST to Friday, 21 July 2023, 8:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	19	10	75	28	545
D phase	3	15	18	16	49
F phase	17	11	20	15	259
Actual cycle	19	22	95	44	841
Signal group 1	17	5	108	30	510
Signal group 2	8	24	233	76	614
Signal group 3	5	5	11	7	36
Signal group 4	14	6	14	9	136
Signal group 6	3	10	13	11	34
Signal group 7	3	10	13	11	34
Signal group 9	5	5	11	7	36
Signal group 10	17	6	14	10	170

Friday, 21 July 2023, 8:15:00 AM NZST to Friday, 21 July 2023, 8:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	19	10	91	28	538
D phase	7	15	17	15	108
E phase	3	13	23	17	51
F phase	14	11	18	13	187
Actual cycle	19	23	106	44	838
Signal group 1	19	6	86	24	467
Signal group 2	10	15	239	66	661
Signal group 3	2	5	10	7	15
Signal group 4	13	5	12	7	96
Signal group 5	3	8	18	12	36
Signal group 6	7	10	12	10	72

Signal group 7	7	5	12	8	57
Signal group 8	3	10	23	15	46
Signal group 9	4	5	10	8	33
Signal group 10	19	5	20	9	173
Signal group 11	1	5	5	5	5
Signal group 13	1	5	5	5	5
Signal group 18	1	6	6	6	6
Signal group 20	1	6	6	6	6

Friday, 21 July 2023, 8:30:00 AM NZST to Friday, 21 July 2023, 8:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	21	11	38	23	501
D phase	8	15	19	16	134
E phase	2	15	15	15	30
F phase	15	11	19	14	218
Nominal cycle length	5	60	73	67	335
Active cycle length	5	60	73	67	335
Actual cycle	20	23	63	41	822
Signal group 1	20	9	44	21	426
Signal group 2	11	12	166	49	549
Signal group 3	3	6	7	6	19
Signal group 4	14	5	15	9	129
Signal group 5	2	10	10	10	20
Signal group 6	8	10	14	11	94
Signal group 7	8	5	14	10	84
Signal group 8	2	10	10	10	20
Signal group 9	5	6	10	7	39
Signal group 10	21	5	27	10	228
Signal group 11	2	5	5	5	10
Signal group 20	2	6	6	6	12
Pedestrian movement 1	1	101	101	101	101

Friday, 21 July 2023, 8:45:00 AM NZST to Friday, 21 July 2023, 9:00:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	18	13	69	30	551
D phase	5	15	16	15	77
E phase	3	12	22	16	49
F phase	14	11	21	14	198
Actual cycle	18	26	82	48	875
Signal group 1	17	8	87	28	476
Signal group 2	7	17	249	94	663
Signal group 3	1	6	6	6	6
Signal group 4	13	5	15	8	108
Signal group 5	3	7	17	11	34
Signal group 6	5	10	11	10	52
Signal group 7	5	5	11	8	42
Signal group 8	3	10	17	13	39
Signal group 9	3	6	10	7	23
Signal group 10	17	5	21	9	165
Signal group 13	1	5	5	5	5
Signal group 18	1	6	6	6	6

Friday, 21 July 2023, 9:00:00 AM NZST to Friday, 21 July 2023, 9:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	17	11	110	38	656
D phase	2	15	15	15	30
F phase	15	11	18	13	200
Actual cycle	16	23	124	53	858
Signal group 1	16	6	105	36	588
Signal group 2	3	6	97	36	109
Signal group 3	2	6	6	6	12
Signal group 4	14	5	12	7	103
Signal group 6	2	10	10	10	20
Signal group 7	2	10	10	10	20
Signal group 9	2	6	6	6	12
Signal group 10	16	5	12	7	123

Friday, 21 July 2023, 9:15:00 AM NZST to Friday, 21 July 2023, 9:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	18	10	107	32	583
D phase	3	15	17	15	47
E phase	4	15	22	18	74
F phase	13	11	18	13	175
Actual cycle	17	28	83	45	772
Signal group 1	16	5	132	32	525
Signal group 2	7	14	99	53	373
Signal group 3	2	5	7	6	12
Signal group 4	12	5	12	7	93
Signal group 5	4	10	17	13	54
Signal group 6	3	10	11	10	31
Signal group 7	3	6	10	8	26
Signal group 8	4	10	22	14	59
Signal group 9	4	5	10	8	32
Signal group 10	15	5	12	8	124
Signal group 13	2	5	5	5	10
Signal group 18	2	6	6	6	12
Pedestrian movement 3	1	60	60	60	60

Friday, 21 July 2023, 9:30:00 AM NZST to Friday, 21 July 2023, 9:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	18	11	100	30	556
D phase	3	15	16	15	46
E phase	2	15	16	15	31
F phase	17	11	17	13	225
Actual cycle	18	22	111	47	858
Signal group 1	17	6	120	28	482
Signal group 2	5	9	288	126	633
Signal group 3	1	5	5	5	5
Signal group 4	16	5	11	7	118
Signal group 5	2	10	11	10	21
Signal group 6	3	10	11	10	31
Signal group 7	3	5	10	6	20
Signal group 8	2	10	11	10	21
Signal group 9	3	5	11	8	26

Signal group 10	17	5	25	9	159

Friday, 21 July 2023, 9:45:00 AM NZST to Friday, 21 July 2023, 10:00:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	17	11	82	33	576
D phase	3	15	19	16	49
E phase	2	15	22	18	37
F phase	15	11	18	12	191
Actual cycle	17	24	93	49	837
Signal group 1	17	6	77	28	489
Signal group 2	5	21	181	101	508
Signal group 3	1	5	5	5	5
Signal group 4	15	5	12	6	101
Signal group 5	2	10	17	13	27
Signal group 6	3	10	14	11	34
Signal group 7	3	10	14	11	34
Signal group 8	2	10	17	13	27
Signal group 9	2	5	10	7	15
Signal group 10	18	5	14	7	135
Signal group 13	1	5	5	5	5
Signal group 18	1	6	6	6	6

Friday, 21 July 2023, 10:00:00 AM NZST to Friday, 21 July 2023, 10:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	23	11	40	22	522
D phase	6	15	16	15	93
E phase	3	15	16	15	46
F phase	16	11	19	13	216
Actual cycle	22	24	60	37	834
Signal group 1	20	8	49	23	472
Signal group 2	13	6	133	43	569
Signal group 3	5	6	7	6	33
Signal group 4	12	5	13	7	94
Signal group 5	3	10	11	10	31
Signal group 6	7	10	11	10	74
Signal group 7	7	5	11	9	64
Signal group 8	3	10	11	10	31
Signal group 9	8	6	11	8	64
Signal group 10	18	5	13	8	157
Signal group 11	1	5	5	5	5
Signal group 20	1	6	6	6	6

Friday, 21 July 2023, 10:15:00 AM NZST to Friday, 21 July 2023, 10:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	20	11	79	29	590
D phase	5	15	16	15	76
E phase	1	15	15	15	15
F phase	15	11	20	14	211
Actual cycle	19	26	93	45	860
Signal group 1	18	6	102	29	531
Signal group 2	8	15	162	87	699
Signal group 3	3	6	10	8	24

Signal group 4	13	5	14	7	102
Signal group 5	1	10	10	10	10
Signal group 6	5	10	11	10	51
Signal group 7	5	5	11	9	46
Signal group 8	1	10	10	10	10
Signal group 9	4	6	10	8	34
Signal group 10	16	5	20	9	152

Friday, 21 July 2023, 10:30:00 AM NZST to Friday, 21 July 2023, 10:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	20	11	54	27	558
D phase	6	15	19	15	94
E phase	1	15	15	15	15
F phase	17	11	19	13	221
Actual cycle	20	23	65	44	888
Signal group 1	19	8	49	26	504
Signal group 2	8	25	171	82	658
Signal group 3	5	5	9	7	37
Signal group 4	15	5	13	6	100
Signal group 5	1	10	10	10	10
Signal group 6	6	10	14	10	64
Signal group 7	6	5	10	8	49
Signal group 8	1	5	5	5	5
Signal group 9	5	5	22	10	52
Signal group 10	18	5	25	9	179

Friday, 21 July 2023, 10:45:00 AM NZST to Friday, 21 July 2023, 11:00:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	18	10	78	30	555
D phase	3	15	16	15	46
E phase	4	15	15	15	60
F phase	16	11	19	13	221
Actual cycle	17	26	107	50	851
Signal group 1	16	5	81	32	517
Signal group 2	10	9	177	64	647
Signal group 3	4	5	13	8	33
Signal group 4	13	5	12	7	101
Signal group 5	4	10	10	10	40
Signal group 6	4	10	11	10	42
Signal group 7	4	5	11	8	32
Signal group 8	4	10	10	10	40
Signal group 9	8	5	13	9	73
Signal group 10	16	5	20	9	148

Friday, 21 July 2023, 11:00:00 AM NZST to Friday, 21 July 2023, 11:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	17	11	147	35	611
D phase	2	15	16	15	31
E phase	2	16	16	16	32
F phase	16	11	16	12	201
Actual cycle	17	22	158	50	863
Signal group 1	17	8	142	33	576

Signal group 2	7	18	203	102	719
Signal group 3	4	5	7	5	23
Signal group 4	14	5	10	6	93
Signal group 5	2	11	11	11	22
Signal group 6	2	10	11	10	21
Signal group 7	2	10	11	10	21
Signal group 8	2	11	11	11	22
Signal group 9	6	5	11	7	45
Signal group 10	16	5	11	7	114
Signal group 11	1	5	5	5	5
Signal group 20	1	9	9	9	9

Friday, 21 July 2023, 11:15:00 AM NZST to Friday, 21 July 2023, 11:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	22	10	55	24	547
D phase	5	15	16	15	76
E phase	4	10	16	14	56
F phase	16	11	14	12	195
Actual cycle	22	22	94	39	862
Signal group 1	21	6	40	21	453
Signal group 2	11	9	171	54	604
Signal group 3	4	5	6	5	22
Signal group 4	14	5	8	6	87
Signal group 5	4	5	11	9	36
Signal group 6	5	10	11	10	51
Signal group 7	5	6	10	9	46
Signal group 8	4	5	11	9	36
Signal group 9	7	5	15	9	63
Signal group 10	19	5	11	7	138

Friday, 21 July 2023, 11:30:00 AM NZST to Friday, 21 July 2023, 11:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	21	10	54	24	518
D phase	2	15	15	15	30
E phase	5	15	23	18	91
F phase	18	11	18	13	240
Actual cycle	20	23	65	41	826
Signal group 1	20	5	69	21	426
Signal group 2	10	5	186	66	668
Signal group 3	4	5	7	5	23
Signal group 4	18	5	13	7	137
Signal group 5	5	10	18	13	66
Signal group 6	2	10	10	10	20
Signal group 7	2	5	10	7	15
Signal group 8	5	10	18	13	66
Signal group 9	7	5	11	7	54
Signal group 10	19	5	22	8	162
Signal group 13	2	5	5	5	10
Signal group 18	2	6	7	6	13
Pedestrian movement 3	1	2	2	2	2

Friday, 21 July 2023, 11:45:00 AM NZST to Friday, 21 July 2023, 12:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	24	10	72	23	553
D phase	4	15	16	15	61
E phase	1	11	11	11	11
F phase	20	11	16	12	257
Actual cycle	23	23	99	37	861
Signal group 1	21	5	67	23	487
Signal group 2	8	8	173	75	607
Signal group 3	4	6	8	6	27
Signal group 4	17	5	10	6	116
Signal group 5	1	6	6	6	6
Signal group 6	5	10	11	10	51
Signal group 7	4	5	10	7	31
Signal group 8	1	11	11	11	11
Signal group 9	5	6	8	6	33
Signal group 10	21	5	24	8	172

Friday, 21 July 2023, 12:00:00 PM NZST to Friday, 21 July 2023, 12:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	20	10	83	30	602
D phase	2	15	15	15	30
E phase	2	16	16	16	32
F phase	16	11	24	13	223
Actual cycle	19	22	94	44	853
Signal group 1	18	6	78	28	515
Signal group 2	8	22	199	91	735
Signal group 3	5	5	8	6	32
Signal group 4	14	5	18	8	114
Signal group 5	2	11	11	11	22
Signal group 6	2	10	10	10	20
Signal group 7	2	10	10	10	20
Signal group 8	2	11	11	11	22
Signal group 9	7	5	11	7	54
Signal group 10	16	5	18	8	134

Friday, 21 July 2023, 12:15:00 PM NZST to Friday, 21 July 2023, 12:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	24	10	42	21	526
D phase	3	15	15	15	45
E phase	5	10	19	15	75
F phase	19	11	19	13	250
Actual cycle	24	22	65	37	896
Signal group 1	21	6	64	21	442
Signal group 2	9	6	226	72	650
Signal group 3	3	5	10	8	24
Signal group 4	17	5	13	6	118
Signal group 5	5	5	14	10	50
Signal group 6	3	10	10	10	30
Signal group 7	3	5	10	6	20
Signal group 8	5	6	14	10	51
Signal group 9	7	5	21	11	79
Signal group 10	19	5	20	8	153

Friday, 21 July 2023, 12:30:00 PM NZST to Friday, 21 July 2023, 12:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	18	10	134	31	560
D phase	2	15	15	15	30
E phase	2	12	15	13	27
F phase	17	11	17	12	214
Actual cycle	17	22	71	40	686
Signal group 1	15	6	129	34	523
Signal group 2	5	36	153	96	483
Signal group 3	3	5	8	6	19
Signal group 4	14	5	11	6	92
Signal group 5	2	7	10	8	17
Signal group 6	2	10	10	10	20
Signal group 7	2	5	10	7	15
Signal group 8	2	10	12	11	22
Signal group 9	5	5	10	7	36
Signal group 10	16	5	11	7	112

Friday, 21 July 2023, 12:45:00 PM NZST to Friday, 21 July 2023, 1:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	16	13	126	36	582
D phase	4	15	16	15	61
E phase	4	14	16	15	61
F phase	14	11	21	12	177
Actual cycle	16	32	141	55	881
Signal group 1	15	8	121	35	530
Signal group 2	7	10	269	63	446
Signal group 3	3	5	6	5	17
Signal group 4	12	5	15	6	81
Signal group 5	4	9	11	10	41
Signal group 6	4	10	11	10	41
Signal group 7	4	5	10	7	31
Signal group 8	4	6	14	10	41
Signal group 9	6	5	22	10	63
Signal group 10	15	5	21	8	127

Friday, 21 July 2023, 1:00:00 PM NZST to Friday, 21 July 2023, 1:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	18	10	95	31	561
D phase	2	16	16	16	32
E phase	4	15	16	15	61
F phase	16	11	17	13	216
Actual cycle	18	25	108	47	854
Signal group 1	17	5	90	28	490
Signal group 2	7	6	224	74	524
Signal group 3	3	5	8	6	20
Signal group 4	15	5	11	7	112
Signal group 5	4	10	11	10	41
Signal group 6	2	11	11	11	22
Signal group 7	2	6	11	8	17
Signal group 8	4	6	10	9	36

Signal group 9	6	7	21	11	66
Signal group 10	16	5	22	8	139

Friday, 21 July 2023, 1:15:00 PM NZST to Friday, 21 July 2023, 1:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	23	10	52	21	487
D phase	6	15	17	15	94
E phase	1	15	15	15	15
F phase	21	11	20	13	290
Actual cycle	23	22	64	37	871
Signal group 1	16	5	79	31	499
Signal group 2	14	5	100	41	582
Signal group 3	9	6	14	7	71
Signal group 4	13	5	14	7	100
Signal group 5	1	10	10	10	10
Signal group 6	6	10	12	10	64
Signal group 7	6	5	12	9	54
Signal group 8	1	10	10	10	10
Signal group 9	10	6	14	8	81
Signal group 10	17	5	21	10	174

Friday, 21 July 2023, 1:30:00 PM NZST to Friday, 21 July 2023, 1:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	21	10	51	21	461
D phase	4	15	16	15	61
E phase	5	11	16	14	73
F phase	20	11	16	12	247
Actual cycle	21	22	66	39	827
Signal group 1	18	6	46	24	432
Signal group 2	12	6	100	45	549
Signal group 3	7	5	7	6	43
Signal group 4	15	5	10	6	94
Signal group 5	5	6	11	9	48
Signal group 6	4	10	11	10	41
Signal group 7	4	5	10	6	26
Signal group 8	5	6	11	9	48
Signal group 9	11	5	23	8	96
Signal group 10	17	5	22	8	145

Friday, 21 July 2023, 1:45:00 PM NZST to Friday, 21 July 2023, 2:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	18	10	75	29	530
D phase	3	15	16	15	47
E phase	5	11	16	14	72
F phase	16	11	18	12	206
Actual cycle	18	23	90	45	825
Signal group 1	18	6	70	27	488
Signal group 2	9	16	285	72	652
Signal group 3	3	5	10	6	20
Signal group 4	15	5	12	6	100
Signal group 5	5	6	11	9	47
Signal group 6	3	10	11	10	32

Signal group 7	3	6	11	9	27
Signal group 8	5	10	11	10	52
Signal group 9	8	5	11	8	67
Signal group 10	18	5	12	7	132

Friday, 21 July 2023, 2:00:00 PM NZST to Friday, 21 July 2023, 2:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	24	10	56	21	520
D phase	4	15	23	17	70
E phase	1	14	14	14	14
F phase	21	11	17	13	283
Actual cycle	23	22	68	37	852
Signal group 1	22	5	60	19	433
Signal group 2	7	13	338	90	630
Signal group 3	4	6	7	6	27
Signal group 4	20	5	11	7	149
Signal group 5	1	9	9	9	9
Signal group 6	4	10	18	12	50
Signal group 7	4	6	18	10	40
Signal group 8	1	14	14	14	14
Signal group 9	5	6	9	7	36
Signal group 10	22	5	25	8	186
Signal group 14	1	5	5	5	5
Signal group 17	1	6	6	6	6

Friday, 21 July 2023, 2:15:00 PM NZST to Friday, 21 July 2023, 2:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	19	11	91	29	563
D phase	5	15	18	15	78
E phase	4	11	17	13	55
F phase	14	11	17	13	185
Actual cycle	18	29	108	47	846
Signal group 1	19	6	86	25	480
Signal group 2	7	20	152	71	498
Signal group 3	3	6	8	6	20
Signal group 4	14	5	11	7	104
Signal group 5	4	6	12	8	35
Signal group 6	5	10	13	10	53
Signal group 7	5	5	10	7	38
Signal group 8	4	10	12	11	45
Signal group 9	7	6	12	7	55
Signal group 10	18	5	21	9	162

Friday, 21 July 2023, 2:30:00 PM NZST to Friday, 21 July 2023, 2:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	22	10	53	22	489
D phase	4	15	16	15	62
E phase	7	11	16	14	101
F phase	16	11	18	13	221
Nominal cycle length	2	60	62	61	122
Active cycle length	2	60	62	61	122
Actual cycle	22	25	65	39	873

Signal group 1	22	5	48	17	379
Signal group 2	10	9	137	48	486
Signal group 3	4	5	12	7	30
Signal group 4	16	5	12	7	124
Signal group 5	7	6	11	9	66
Signal group 6	4	10	11	10	42
Signal group 7	4	5	11	6	27
Signal group 8	7	6	16	10	76
Signal group 9	10	5	28	10	101
Signal group 10	20	5	12	8	166

Friday, 21 July 2023, 2:45:00 PM NZST to Friday, 21 July 2023, 3:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	21	10	48	22	466
D phase	2	15	15	15	30
E phase	5	15	22	17	86
F phase	17	11	31	16	273
Actual cycle	20	23	62	41	820
Signal group 1	16	5	66	26	417
Signal group 2	11	8	129	49	548
Signal group 3	7	5	25	10	71
Signal group 4	11	5	16	9	106
Signal group 5	5	10	17	11	59
Signal group 6	2	10	10	10	20
Signal group 7	2	10	10	10	20
Signal group 8	5	5	17	11	56
Signal group 9	10	5	25	11	118
Signal group 10	13	5	16	9	126
Signal group 11	1	5	5	5	5
Signal group 13	1	5	5	5	5
Signal group 18	1	6	6	6	6
Signal group 20	1	6	6	6	6

Friday, 21 July 2023, 3:00:00 PM NZST to Friday, 21 July 2023, 3:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	19	11	48	26	507
D phase	7	15	15	15	105
E phase	6	11	15	13	80
F phase	15	11	16	12	194
Nominal cycle length	4	60	67	62	250
Active cycle length	4	60	67	62	250
Actual cycle	18	26	68	46	836
Signal group 1	18	6	71	23	428
Signal group 2	12	12	72	39	478
Signal group 3	5	5	9	6	32
Signal group 4	14	5	10	7	99
Signal group 5	6	6	10	8	50
Signal group 6	7	10	10	10	70
Signal group 7	7	5	5	5	35
Signal group 8	6	6	12	10	60
Signal group 9	10	5	16	8	87
Signal group 10	17	5	22	10	174

Friday, 21 July 2023, 3:15:00 PM NZST to Friday, 21 July 2023, 3:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	19	11	49	28	533
D phase	6	15	19	17	102
E phase	3	11	11	11	33
F phase	16	11	17	13	216
Nominal cycle length	10	64	85	76	765
Active cycle length	10	64	85	76	765
Actual cycle	18	22	83	48	873
Signal group 1	16	10	59	30	490
Signal group 2	8	22	139	71	571
Signal group 3	4	5	8	6	25
Signal group 4	13	6	11	7	100
Signal group 5	3	6	6	6	18
Signal group 6	6	10	14	12	72
Signal group 7	6	5	9	7	42
Signal group 8	3	11	11	11	33
Signal group 9	7	5	8	6	43
Signal group 10	16	6	23	11	187
Signal group 11	1	5	5	5	5
Signal group 20	1	6	6	6	6

Friday, 21 July 2023, 3:30:00 PM NZST to Friday, 21 July 2023, 3:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	17	10	69	31	530
D phase	4	15	16	15	62
E phase	5	12	16	14	74
F phase	16	11	20	13	220
Nominal cycle length	7	60	85	70	491
Active cycle length	7	60	85	70	491
Actual cycle	16	26	83	53	857
Signal group 1	16	5	86	28	462
Signal group 2	9	37	118	73	663
Signal group 3	1	6	6	6	6
Signal group 4	15	5	13	7	117
Signal group 5	5	7	11	9	49
Signal group 6	4	10	11	10	42
Signal group 7	4	5	6	5	22
Signal group 8	5	10	12	10	54
Signal group 9	6	6	11	9	55
Signal group 10	16	5	26	10	174
Signal group 11	1	5	5	5	5
Signal group 20	1	6	6	6	6

Friday, 21 July 2023, 3:45:00 PM NZST to Friday, 21 July 2023, 4:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	20	11	42	24	490
D phase	3	15	15	15	45
E phase	7	15	22	16	116
F phase	16	12	17	13	221
Actual cycle	20	23	60	41	838

Signal group 1	20	6	37	19	390
Signal group 2	10	21	203	60	608
Signal group 3	2	5	5	5	10
Signal group 4	16	6	11	7	125
Signal group 5	7	10	17	11	81
Signal group 6	3	10	10	10	30
Signal group 7	4	5	10	8	35
Signal group 8	7	6	22	11	81
Signal group 9	7	5	21	11	79
Signal group 10	19	6	11	8	155
Signal group 13	1	5	5	5	5
Signal group 18	1	6	6	6	6

Friday, 21 July 2023, 4:00:00 PM NZST to Friday, 21 July 2023, 4:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	20	11	54	27	545
D phase	1	15	15	15	15
E phase	3	15	19	16	49
F phase	18	11	23	14	266
Nominal cycle length	3	60	62	61	183
Active cycle length	3	60	62	61	183
Actual cycle	19	22	78	44	843
Signal group 1	18	6	89	24	445
Signal group 2	7	6	193	92	645
Signal group 3	4	5	9	7	28
Signal group 4	16	5	17	8	143
Signal group 5	3	10	14	11	34
Signal group 6	1	10	10	10	10
Signal group 7	1	10	10	10	10
Signal group 8	3	10	14	11	34
Signal group 9	7	5	14	8	62
Signal group 10	17	5	17	9	153

Friday, 21 July 2023, 4:15:00 PM NZST to Friday, 21 July 2023, 4:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	22	11	44	23	515
D phase	7	15	16	15	106
E phase	2	15	15	15	30
F phase	17	11	17	13	226
Actual cycle	22	23	59	39	877
Signal group 1	21	6	39	20	422
Signal group 2	9	8	131	61	556
Signal group 3	1	6	6	6	6
Signal group 4	16	5	11	7	118
Signal group 5	2	10	10	10	20
Signal group 6	7	10	11	10	71
Signal group 7	7	5	10	8	56
Signal group 8	2	10	10	10	20
Signal group 9	3	6	10	8	26
Signal group 10	20	5	25	10	204

Friday, 21 July 2023, 4:30:00 PM NZST to Friday, 21 July 2023, 4:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	16	12	49	29	479
D phase	6	15	19	16	97
E phase	4	11	15	13	54
F phase	16	12	19	15	244
Nominal cycle length	11	62	86	78	861
Active cycle length	11	62	86	78	861
Actual cycle	16	37	85	52	841
Signal group 1	16	7	44	24	399
Signal group 2	8	33	83	52	416
Signal group 3	2	6	6	6	12
Signal group 4	16	5	13	9	146
Signal group 5	4	6	10	8	34
Signal group 6	6	10	14	11	67
Signal group 7	6	5	14	7	42
Signal group 8	4	10	13	11	44
Signal group 9	6	6	10	7	46
Signal group 10	19	6	27	12	228
Signal group 11	1	5	5	5	5
Signal group 20	1	6	6	6	6

Friday, 21 July 2023, 4:45:00 PM NZST to Friday, 21 July 2023, 5:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	17	10	88	31	531
D phase	5	15	16	15	77
E phase	2	15	16	15	31
F phase	14	11	19	13	190
Nominal cycle length	6	60	68	63	381
Active cycle length	6	60	68	63	381
Actual cycle	17	27	100	47	815
Signal group 1	17	5	83	26	446
Signal group 2	6	37	212	103	619
Signal group 4	14	5	13	7	106
Signal group 5	2	10	11	10	21
Signal group 6	5	10	11	10	52
Signal group 7	5	5	11	8	42
Signal group 8	2	10	11	10	21
Signal group 9	2	10	11	10	21
Signal group 10	17	5	27	9	168

Friday, 21 July 2023, 5:00:00 PM NZST to Friday, 21 July 2023, 5:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	18	12	70	28	519
D phase	5	15	16	15	77
E phase	5	11	16	13	68
F phase	17	11	20	13	228
Nominal cycle length	5	60	62	61	305
Active cycle length	5	60	62	61	305
Actual cycle	18	26	84	48	878
Signal group 1	18	7	65	23	429
Signal group 2	7	26	224	70	492
Signal group 3	2	5	6	5	11
Signal group 4	17	5	14	7	126

Signal group 5	5	6	11	8	43
Signal group 6	5	10	11	10	52
Signal group 7	5	5	11	6	32
Signal group 8	5	5	11	9	48
Signal group 9	6	6	20	9	59
Signal group 10	20	5	24	9	188

Friday, 21 July 2023, 5:15:00 PM NZST to Friday, 21 July 2023, 5:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	20	10	88	28	570
D phase	5	15	16	15	76
F phase	16	11	17	13	216
Nominal cycle length	5	60	74	67	338
Active cycle length	5	60	74	67	338
Actual cycle	19	22	103	42	809
Signal group 1	20	5	83	23	470
Signal group 2	5	24	206	108	542
Signal group 4	16	5	11	7	120
Signal group 6	6	10	11	10	61
Signal group 7	6	5	10	8	51
Signal group 10	20	5	21	8	176

Friday, 21 July 2023, 5:30:00 PM NZST to Friday, 21 July 2023, 5:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	19	10	64	29	565
D phase	3	15	16	15	46
F phase	18	11	18	13	246
Actual cycle	19	24	77	44	845
Signal group 1	19	5	59	24	470
Signal group 2	3	45	600	261	783
Signal group 4	18	5	12	7	138
Signal group 6	3	10	11	10	31
Signal group 7	3	5	11	8	26
Signal group 10	19	5	22	8	168

Friday, 21 July 2023, 5:45:00 PM NZST to Friday, 21 July 2023, 6:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	20	10	61	24	483
D phase	6	15	16	15	92
F phase	19	11	19	13	262
Actual cycle	20	24	73	41	822
Signal group 1	21	5	56	20	431
Signal group 2	6	39	371	116	696
Signal group 4	19	5	13	7	147
Signal group 6	6	10	11	10	62
Signal group 7	6	5	10	7	42
Signal group 10	21	5	29	10	229
Signal group 11	1	5	5	5	5
Signal group 20	1	6	6	6	6

Friday, 21 July 2023, 6:00:00 PM NZST to Friday, 21 July 2023, 6:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	20	10	55	29	589
D phase	5	15	15	15	75
F phase	17	11	18	13	230
Actual cycle	20	24	70	43	879
Signal group 1	19	5	72	26	509
Signal group 2	6	15	274	108	651
Signal group 3	2	5	9	7	14
Signal group 4	16	5	12	7	118
Signal group 6	5	10	10	10	50
Signal group 7	5	5	10	9	45
Signal group 9	2	5	9	7	14
Signal group 10	20	5	24	8	173
Signal group 11	1	5	5	5	5
Signal group 20	1	6	6	6	6

Friday, 21 July 2023, 6:15:00 PM NZST to Friday, 21 July 2023, 6:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	17	10	135	33	572
D phase	2	15	15	15	30
F phase	17	11	19	13	236
Actual cycle	17	25	149	48	823
Signal group 1	18	5	130	28	518
Signal group 2	1	652	652	652	652
Signal group 4	17	5	13	7	132
Signal group 6	2	10	10	10	20
Signal group 7	2	5	10	7	15
Signal group 10	18	5	22	8	157
Signal group 11	1	5	5	5	5
Signal group 20	1	6	6	6	6

Friday, 21 July 2023, 6:30:00 PM NZST to Friday, 21 July 2023, 6:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	15	13	94	44	668
D phase	2	15	15	15	30
F phase	14	11	19	13	194
Actual cycle	15	30	106	58	876
Signal group 1	15	8	89	39	593
Signal group 2	1	174	174	174	174
Signal group 4	14	5	13	7	110
Signal group 6	2	10	10	10	20
Signal group 7	2	10	10	10	20
Signal group 10	16	5	13	8	130

Friday, 21 July 2023, 6:45:00 PM NZST to Friday, 21 July 2023, 7:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	18	10	105	33	605
D phase	4	15	16	15	63
F phase	15	11	16	12	192
Actual cycle	17	25	118	48	830
Signal group 1	17	6	100	31	534
Signal group 2	4	39	186	129	517

Signal group 3	1	7	7	7	7
Signal group 4	15	5	10	6	104
Signal group 6	4	10	11	10	43
Signal group 7	4	5	11	9	37
Signal group 9	1	7	7	7	7
Signal group 10	18	5	22	8	152

Friday, 21 July 2023, 7:00:00 PM NZST to Friday, 21 July 2023, 7:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	14	12	104	49	686
D phase	3	15	16	15	46
F phase	11	11	15	12	135
Actual cycle	14	25	115	61	867
Signal group 1	13	7	148	48	632
Signal group 2	3	99	160	134	404
Signal group 3	1	5	5	5	5
Signal group 4	10	5	9	6	64
Signal group 6	3	10	11	10	31
Signal group 7	3	10	10	10	30
Signal group 9	1	5	5	5	5
Signal group 10	13	5	11	7	95

Friday, 21 July 2023, 7:15:00 PM NZST to Friday, 21 July 2023, 7:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	9	10	200	65	593
D phase	2	15	16	15	31
F phase	8	14	17	15	125
Actual cycle	9	25	216	81	733
Signal group 1	9	5	195	60	548
Signal group 2	1	417	417	417	417
Signal group 4	8	8	11	9	76
Signal group 6	2	10	11	10	21
Signal group 7	2	10	11	10	21
Signal group 10	10	8	11	9	97
Signal group 11	1	5	5	5	5
Signal group 20	1	6	6	6	6

Friday, 21 July 2023, 7:30:00 PM NZST to Friday, 21 July 2023, 7:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	19	11	100	31	596
D phase	4	15	22	17	68
F phase	17	11	17	13	229
Actual cycle	19	26	116	46	881
Signal group 1	19	6	95	26	499
Signal group 2	3	72	200	140	420
Signal group 4	17	5	11	7	127
Signal group 6	4	10	17	12	48
Signal group 7	4	5	17	10	43
Signal group 10	19	5	22	8	163
Signal group 14	1	5	5	5	5
Signal group 17	1	6	6	6	6

Friday, 21 July 2023, 7:45:00 PM NZST to Friday, 21 July 2023, 8:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	14	11	103	48	683
D phase	5	15	16	15	76
F phase	10	11	14	11	118
Actual cycle	14	26	114	62	877
Signal group 1	13	6	98	45	588
Signal group 2	4	20	438	181	725
Signal group 4	10	5	8	5	58
Signal group 6	5	10	11	10	51
Signal group 7	5	5	11	9	46
Signal group 10	14	5	21	8	114

Friday, 21 July 2023, 8:00:00 PM NZST to Friday, 21 July 2023, 8:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	19	11	68	31	594
D phase	8	15	16	15	121
F phase	14	11	18	12	173
Actual cycle	19	26	79	46	874
Signal group 1	19	6	63	26	499
Signal group 2	8	18	135	73	589
Signal group 3	1	5	5	5	5
Signal group 4	14	5	12	6	89
Signal group 6	8	10	11	10	81
Signal group 7	8	5	11	8	71
Signal group 9	1	5	5	5	5
Signal group 10	20	5	21	9	180

Friday, 21 July 2023, 8:15:00 PM NZST to Friday, 21 July 2023, 8:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	9	10	282	68	618
D phase	1	15	15	15	15
F phase	10	11	28	13	137
Actual cycle	9	23	296	82	742
Signal group 1	9	5	277	63	573
Signal group 4	10	5	22	7	77
Signal group 6	1	10	10	10	10
Signal group 7	1	5	5	5	5
Signal group 10	10	5	22	9	92

Friday, 21 July 2023, 8:30:00 PM NZST to Friday, 21 July 2023, 8:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	13	12	153	53	691
D phase	2	15	15	15	30
F phase	11	11	14	12	136
Actual cycle	12	26	165	68	822
Signal group 1	13	7	148	48	626
Signal group 2	1	162	162	162	162
Signal group 4	11	5	8	6	70
Signal group 6	2	10	10	10	20
Signal group 7	2	10	10	10	20

Signal group 10	13	5	10	6	90

Friday, 21 July 2023, 8:45:00 PM NZST to Friday, 21 July 2023, 9:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	9	11	203	83	751
D phase	1	15	15	15	15
F phase	9	11	15	12	112
Actual cycle	9	40	215	97	878
Signal group 1	9	6	198	78	706
Signal group 4	9	5	9	6	58
Signal group 6	1	10	10	10	10
Signal group 7	1	5	5	5	5
Signal group 10	9	5	23	8	73

Friday, 21 July 2023, 9:00:00 PM NZST to Friday, 21 July 2023, 9:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	16	11	87	40	652
D phase	3	15	16	15	46
F phase	13	11	15	11	153
Actual cycle	15	25	98	52	790
Signal group 1	16	6	82	35	572
Signal group 2	2	59	528	293	587
Signal group 4	14	5	9	5	80
Signal group 6	3	10	11	10	31
Signal group 7	3	10	11	10	31
Signal group 10	17	5	11	6	111

Friday, 21 July 2023, 9:15:00 PM NZST to Friday, 21 July 2023, 9:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	10	12	111	56	565
D phase	1	15	15	15	15
F phase	9	11	16	11	107
Actual cycle	10	27	122	68	687
Signal group 1	10	7	106	51	515
Signal group 4	9	5	10	5	53
Signal group 6	1	10	10	10	10
Signal group 7	1	10	10	10	10
Signal group 10	10	5	10	6	63

Friday, 21 July 2023, 9:30:00 PM NZST to Friday, 21 July 2023, 9:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	5	19	198	124	622
F phase	6	11	18	12	77
Actual cycle	5	37	210	137	687
Signal group 1	5	14	193	119	597
Signal group 4	6	5	12	6	41
Signal group 10	6	5	12	6	41

Friday, 21 July 2023, 9:45:00 PM NZST to Friday, 21 July 2023, 10:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total

A phase	8	10	205	79	635
D phase	1	16	16	16	16
F phase	8	11	13	12	96
Actual cycle	8	26	217	91	734
Signal group 1	8	5	200	74	595
Signal group 4	8	5	7	6	48
Signal group 6	1	11	11	11	11
Signal group 7	1	11	11	11	11
Signal group 10	9	5	11	6	59

Friday, 21 July 2023, 10:00:00 PM NZST to Friday, 21 July 2023, 10:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	5	10	286	110	554
F phase	6	11	17	12	75
Actual cycle	5	26	299	123	618
Signal group 1	5	5	281	105	529
Signal group 4	6	5	11	6	39
Signal group 10	6	5	11	6	39

Friday, 21 July 2023, 10:15:00 PM NZST to Friday, 21 July 2023, 10:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	8	43	215	92	740
D phase	1	15	15	15	15
F phase	8	11	16	12	100
Actual cycle	8	54	226	105	843
Signal group 1	8	38	210	87	700
Signal group 4	8	5	10	6	52
Signal group 6	1	10	10	10	10
Signal group 7	1	10	10	10	10
Signal group 10	9	5	10	6	62

Friday, 21 July 2023, 10:30:00 PM NZST to Friday, 21 July 2023, 10:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	11	11	99	51	564
D phase	3	15	15	15	45
F phase	9	11	16	12	112
Actual cycle	11	26	110	64	709
Signal group 1	11	6	94	46	509
Signal group 2	2	119	420	269	539
Signal group 4	9	5	10	6	58
Signal group 6	3	10	10	10	30
Signal group 7	3	10	10	10	30
Signal group 10	12	5	10	7	88

Friday, 21 July 2023, 10:45:00 PM NZST to Friday, 21 July 2023, 11:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	3	14	108	62	188
D phase	1	15	15	15	15
F phase	3	11	12	11	35
Actual cycle	3	29	120	75	226
Signal group 1	3	9	103	57	173

Signal group 4	3	5	6	5	17
Signal group 6	1	10	10	10	10
Signal group 7	1	10	10	10	10
Signal group 10	4	5	10	6	27

Friday, 21 July 2023, 11:00:00 PM NZST to Friday, 21 July 2023, 11:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	1	250	250	250	250
F phase	2	12	12	12	24
Actual cycle	1	262	262	262	262
Signal group 1	1	245	245	245	245
Signal group 4	2	6	6	6	12
Signal group 10	2	6	6	6	12

Friday, 21 July 2023, 11:15:00 PM NZST to Friday, 21 July 2023, 11:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	7	11	240	110	770
D phase	1	15	15	15	15
F phase	6	11	12	11	68
Actual cycle	6	26	252	123	743
Signal group 1	7	6	235	105	735
Signal group 2	1	346	346	346	346
Signal group 4	6	5	6	5	32
Signal group 6	1	10	10	10	10
Signal group 7	1	10	10	10	10
Signal group 10	7	5	10	6	42

Friday, 21 July 2023, 11:30:00 PM NZST to Friday, 21 July 2023, 11:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	4	10	435	205	823
D phase	2	15	16	15	31
F phase	2	11	12	11	23
Actual cycle	4	26	450	219	877
Signal group 1	4	5	430	200	803
Signal group 2	2	406	430	418	836
Signal group 4	2	5	6	5	11
Signal group 6	2	10	11	10	21
Signal group 7	2	10	11	10	21
Signal group 10	4	5	11	8	32

Friday, 21 July 2023, 11:45:00 PM NZST to Saturday, 22 July 2023, 12:00:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	6	10	363	114	684
D phase	2	15	16	15	31
F phase	4	11	11	11	44
Actual cycle	6	26	363	124	748
Signal group 1	5	5	364	111	559
Signal group 2	3	122	364	236	708
Signal group 3	1	5	5	5	5
Signal group 4	3	5	5	5	15
Signal group 6	2	10	11	10	21

Signal group 7	2	10	11	10	21
Signal group 9	1	5	5	5	5
Signal group 10	5	5	11	7	36

Report: Periodic statistics for site 1636

15 minute intervals

From: Monday, 17 July 2023, 12:00:00 AM NZST

To: Monday, 17 July 2023, 11:59:59 PM NZST

Monday, 17 July 2023, 12:00:00 AM NZST to Monday, 17 July 2023, 12:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
Unknown phase	1	26	26	26	26
Actual cycle	1	26	26	26	26

Monday, 17 July 2023, 1:30:00 AM NZST to Monday, 17 July 2023, 1:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
D phase	1	15	15	15	15
Signal group 5	1	9	9	9	9
Signal group 7	1	12	12	12	12

Monday, 17 July 2023, 1:45:00 AM NZST to Monday, 17 July 2023, 2:00:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	1	181	181	181	181
D phase	1	14	14	14	14
F phase	1	11	11	11	11
Actual cycle	1	195	195	195	195
Signal group 1	1	176	176	176	176
Signal group 4	1	5	5	5	5
Signal group 5	1	8	8	8	8
Signal group 7	1	11	11	11	11

Monday, 17 July 2023, 2:15:00 AM NZST to Monday, 17 July 2023, 2:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
D phase	1	14	14	14	14
Signal group 5	1	8	8	8	8
Signal group 7	1	11	11	11	11

Monday, 17 July 2023, 2:30:00 AM NZST to Monday, 17 July 2023, 2:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
D phase	1	14	14	14	14
Signal group 5	1	8	8	8	8
Signal group 7	1	11	11	11	11

Monday, 17 July 2023, 3:00:00 AM NZST to Monday, 17 July 2023, 3:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
D phase	1	14	14	14	14
Signal group 5	1	8	8	8	8
Signal group 7	1	11	11	11	11

Monday, 17 July 2023, 3:30:00 AM NZST to Monday, 17 July 2023, 3:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total

A phase	1	134	134	134	134
D phase	2	14	14	14	28
Actual cycle	1	148	148	148	148
Signal group 1	1	129	129	129	129
Signal group 2	1	129	129	129	129
Signal group 5	2	8	8	8	16
Signal group 7	2	11	11	11	22

Monday, 17 July 2023, 4:00:00 AM NZST to Monday, 17 July 2023, 4:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
D phase	1	14	14	14	14
Signal group 5	1	8	8	8	8
Signal group 7	1	11	11	11	11

Monday, 17 July 2023, 4:15:00 AM NZST to Monday, 17 July 2023, 4:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	3	70	325	184	554
D phase	4	14	14	14	56
Actual cycle	3	84	339	198	596
Signal group 1	3	65	320	179	539
Signal group 2	3	65	320	179	539
Signal group 5	4	8	8	8	32
Signal group 7	4	11	11	11	44

Monday, 17 July 2023, 4:30:00 AM NZST to Monday, 17 July 2023, 4:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	2	30	503	266	533
D phase	3	14	14	14	42
Actual cycle	2	44	517	280	561
Signal group 1	2	25	498	261	523
Signal group 2	2	25	498	261	523
Signal group 5	3	8	8	8	24
Signal group 7	3	11	11	11	33

Monday, 17 July 2023, 4:45:00 AM NZST to Monday, 17 July 2023, 5:00:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	1	135	135	135	135
D phase	2	14	19	16	33
Actual cycle	1	154	154	154	154
Signal group 1	1	130	130	130	130
Signal group 2	1	130	130	130	130
Signal group 5	2	8	12	10	20
Signal group 7	2	11	16	13	27

Monday, 17 July 2023, 5:00:00 AM NZST to Monday, 17 July 2023, 5:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	11	11	128	55	608
D phase	11	14	15	14	156
F phase	1	11	11	11	11
Actual cycle	11	25	139	69	760

Signal group 1	11	6	123	50	553
Signal group 2	10	6	156	56	569
Signal group 4	1	5	5	5	5
Signal group 5	11	8	9	8	90
Signal group 7	11	11	12	11	122

Monday, 17 July 2023, 5:15:00 AM NZST to Monday, 17 July 2023, 5:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	3	10	198	86	258
D phase	3	14	14	14	42
F phase	1	12	12	12	12
Actual cycle	3	24	212	100	300
Signal group 1	3	5	193	81	243
Signal group 2	2	45	193	119	238
Signal group 4	1	6	6	6	6
Signal group 5	3	8	8	8	24
Signal group 7	3	11	11	11	33

Monday, 17 July 2023, 5:30:00 AM NZST to Monday, 17 July 2023, 5:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	7	10	116	71	497
D phase	6	14	14	14	84
F phase	2	11	12	11	23
Actual cycle	7	24	127	84	592
Signal group 1	7	5	111	66	462
Signal group 2	5	28	132	80	403
Signal group 4	2	5	7	6	12
Signal group 5	6	8	8	8	48
Signal group 7	6	11	11	11	66

Monday, 17 July 2023, 5:45:00 AM NZST to Monday, 17 July 2023, 6:00:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	18	12	126	31	565
D phase	16	14	27	15	248
E phase	1	26	26	26	26
F phase	3	11	12	11	34
Actual cycle	17	26	141	48	821
Signal group 1	18	7	122	26	475
Signal group 2	17	7	122	30	514
Signal group 4	3	5	6	5	17
Signal group 5	16	8	21	9	153
Signal group 6	1	20	20	20	20
Signal group 7	16	7	18	11	185
Signal group 8	1	23	23	23	23
Signal group 13	1	6	6	6	6
Signal group 14	1	6	6	6	6
Signal group 17	1	6	6	6	6
Signal group 18	1	6	6	6	6

Monday, 17 July 2023, 6:00:00 AM NZST to Monday, 17 July 2023, 6:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total

A phase	17	10	152	38	647
D phase	14	14	18	14	208
F phase	2	11	12	11	23
Actual cycle	16	24	170	53	851
Signal group 1	17	5	147	33	564
Signal group 2	15	5	147	39	597
Signal group 4	2	5	6	5	11
Signal group 5	15	8	13	9	137
Signal group 7	14	11	15	11	164

Monday, 17 July 2023, 6:15:00 AM NZST to Monday, 17 July 2023, 6:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	15	11	101	44	673
D phase	13	14	18	14	193
F phase	2	11	12	11	23
Actual cycle	14	23	115	58	818
Signal group 1	14	7	96	44	617
Signal group 2	14	7	96	44	617
Signal group 3	1	6	6	6	6
Signal group 4	1	6	6	6	6
Signal group 5	13	8	12	8	115
Signal group 7	13	11	15	11	152
Signal group 10	1	6	6	6	6

Monday, 17 July 2023, 6:30:00 AM NZST to Monday, 17 July 2023, 6:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	16	14	123	41	668
D phase	11	14	18	15	167
F phase	5	11	12	11	56
Actual cycle	15	25	134	58	877
Signal group 1	14	9	118	38	545
Signal group 2	14	9	144	45	631
Signal group 3	2	5	5	5	10
Signal group 4	4	5	7	6	24
Signal group 5	11	8	12	9	100
Signal group 7	11	6	15	11	127
Signal group 10	2	5	5	5	10

Monday, 17 July 2023, 6:45:00 AM NZST to Monday, 17 July 2023, 7:00:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	21	10	57	26	556
D phase	13	14	18	14	194
F phase	10	11	13	11	117
Nominal cycle length	2	60	62	61	122
Active cycle length	2	60	62	61	122
Actual cycle	21	24	72	40	855
Signal group 1	19	5	115	27	528
Signal group 2	17	9	97	32	560
Signal group 3	4	6	7	6	27
Signal group 4	6	5	8	6	37
Signal group 5	13	8	12	9	117
Signal group 7	14	5	15	11	162

Signal group 10	4	6	7	6	27

Monday, 17 July 2023, 7:00:00 AM NZST to Monday, 17 July 2023, 7:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	19	14	60	28	542
D phase	17	14	19	14	252
E phase	2	12	14	13	26
F phase	6	11	16	12	76
Nominal cycle length	4	60	63	61	246
Active cycle length	4	60	63	61	246
Actual cycle	18	26	75	46	843
Signal group 1	19	9	55	25	488
Signal group 2	18	9	68	26	477
Signal group 3	4	5	11	7	31
Signal group 4	3	6	7	6	19
Signal group 5	17	8	13	8	150
Signal group 6	2	6	8	7	14
Signal group 7	17	5	16	10	181
Signal group 8	2	11	12	11	23
Signal group 10	6	5	11	7	45

Monday, 17 July 2023, 7:15:00 AM NZST to Monday, 17 July 2023, 7:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	17	11	87	30	510
D phase	17	14	18	14	251
E phase	1	12	12	12	12
F phase	6	11	13	11	71
Nominal cycle length	3	60	62	61	183
Active cycle length	3	60	62	61	183
Actual cycle	17	25	101	49	844
Signal group 1	17	6	82	25	434
Signal group 2	17	6	82	27	468
Signal group 3	1	6	6	6	6
Signal group 4	5	5	7	6	31
Signal group 5	17	8	12	8	149
Signal group 6	1	5	5	5	5
Signal group 7	17	5	15	9	165
Signal group 8	1	12	12	12	12
Signal group 10	2	5	6	5	11

Monday, 17 July 2023, 7:30:00 AM NZST to Monday, 17 July 2023, 7:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	22	11	44	22	500
D phase	21	14	20	15	315
F phase	5	11	14	11	58
Actual cycle	21	23	59	39	826
Signal group 1	21	6	43	20	428
Signal group 2	22	6	39	18	415
Signal group 3	3	6	6	6	18
Signal group 4	2	5	9	7	14
Signal group 5	21	8	14	9	190
Signal group 7	21	5	17	11	235

Signal group 10	3	6	6	6	18
Signal group 11	1	6	6	6	6
Signal group 20	1	6	6	6	6

Monday, 17 July 2023, 7:45:00 AM NZST to Monday, 17 July 2023, 8:00:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	21	10	52	24	522
D phase	13	14	17	14	193
E phase	3	11	14	12	37
F phase	11	10	15	11	127
Actual cycle	21	23	89	41	879
Signal group 1	20	5	76	22	442
Signal group 2	15	14	93	35	527
Signal group 3	4	5	7	5	22
Signal group 4	8	5	9	6	50
Signal group 5	13	8	11	8	114
Signal group 6	3	5	8	6	18
Signal group 7	13	6	14	10	138
Signal group 8	3	5	11	9	27
Signal group 10	6	5	17	7	47

Monday, 17 July 2023, 8:00:00 AM NZST to Monday, 17 July 2023, 8:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	20	11	53	24	492
D phase	17	14	20	15	258
E phase	3	13	14	13	40
F phase	8	11	14	12	102
Actual cycle	19	26	67	43	831
Signal group 1	19	6	49	22	423
Signal group 2	19	6	81	24	462
Signal group 3	3	5	8	7	21
Signal group 4	6	6	9	7	43
Signal group 5	17	8	14	9	157
Signal group 6	3	6	8	6	20
Signal group 7	17	5	17	9	161
Signal group 8	3	11	13	12	37
Signal group 10	6	5	8	6	41
Signal group 11	3	6	6	6	18
Signal group 20	3	6	6	6	18
Pedestrian movement 1	2	255	366	310	621

Monday, 17 July 2023, 8:15:00 AM NZST to Monday, 17 July 2023, 8:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	17	14	41	28	480
D phase	15	15	28	17	262
E phase	2	11	12	11	23
F phase	9	10	14	12	108
Nominal cycle length	3	62	71	67	202
Active cycle length	3	62	71	67	202
Actual cycle	16	27	76	52	836
Signal group 1	17	9	36	23	406
Signal group 2	16	16	51	29	473

Signal group 3	3	5	6	5	17
Signal group 4	8	6	9	6	54
Signal group 5	15	8	21	11	170
Signal group 6	2	5	6	5	11
Signal group 7	16	5	25	10	171
Signal group 8	2	6	11	8	17
Signal group 10	4	5	18	8	34
Signal group 11	2	6	9	7	15
Signal group 12	1	6	6	6	6
Signal group 13	1	7	7	7	7
Signal group 18	1	7	7	7	7
Signal group 19	1	6	6	6	6
Signal group 20	2	6	9	7	15
Pedestrian movement 1	1	127	127	127	127

Monday, 17 July 2023, 8:30:00 AM NZST to Monday, 17 July 2023, 8:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	19	10	57	25	491
D phase	15	14	27	16	251
E phase	3	12	27	17	51
F phase	7	10	20	13	95
Nominal cycle length	9	60	68	63	572
Active cycle length	9	60	68	63	572
Actual cycle	19	25	93	46	888
Signal group 1	17	5	79	26	451
Signal group 2	18	7	52	23	423
Signal group 3	6	5	8	6	38
Signal group 4	3	5	13	8	26
Signal group 5	15	8	20	10	159
Signal group 6	3	6	21	11	33
Signal group 7	15	5	17	12	180
Signal group 8	3	6	27	15	45
Signal group 10	7	5	17	8	56
Signal group 11	1	6	6	6	6
Signal group 12	1	6	6	6	6
Signal group 13	1	6	6	6	6
Signal group 14	1	6	6	6	6
Signal group 17	1	6	6	6	6
Signal group 18	1	6	6	6	6
Signal group 19	1	6	6	6	6
Signal group 20	1	6	6	6	6

Monday, 17 July 2023, 8:45:00 AM NZST to Monday, 17 July 2023, 9:00:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	16	10	49	30	490
D phase	14	14	20	15	223
E phase	1	12	12	12	12
F phase	11	11	16	12	142
Nominal cycle length	6	60	76	68	413
Active cycle length	6	60	76	68	413
Actual cycle	15	29	79	53	808
Signal group 1	14	10	70	32	460
Signal group 2	15	5	86	32	490

Signal group 3	5	5	10	7	36
Signal group 4	8	5	10	6	55
Signal group 5	14	8	14	9	139
Signal group 6	1	6	6	6	6
Signal group 7	14	5	14	9	135
Signal group 8	1	6	6	6	6
Signal group 10	5	5	18	9	48
Signal group 11	2	6	6	6	12
Signal group 20	2	6	6	6	12
Pedestrian movement 1	1	370	370	370	370

Monday, 17 July 2023, 9:00:00 AM NZST to Monday, 17 July 2023, 9:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	19	12	52	26	499
D phase	15	14	18	15	227
E phase	4	14	27	20	82
F phase	6	11	16	13	78
Nominal cycle length	1	62	62	62	62
Active cycle length	1	62	62	62	62
Actual cycle	18	29	68	48	870
Signal group 1	17	7	53	22	387
Signal group 2	19	7	47	23	441
Signal group 3	3	7	8	7	23
Signal group 4	4	5	9	6	27
Signal group 5	15	8	12	9	136
Signal group 6	4	8	20	14	57
Signal group 7	15	5	13	9	139
Signal group 8	4	11	27	19	76
Signal group 10	5	7	9	8	40
Signal group 11	2	6	6	6	12
Signal group 14	2	6	6	6	12
Signal group 17	2	6	6	6	12
Signal group 20	2	6	6	6	12
Pedestrian movement 1	1	593	593	593	593
Pedestrian movement 4	1	648	648	648	648

Monday, 17 July 2023, 9:15:00 AM NZST to Monday, 17 July 2023, 9:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	20	10	90	25	516
D phase	12	14	17	14	179
F phase	10	11	18	12	127
Nominal cycle length	2	60	61	60	121
Active cycle length	2	60	61	60	121
Actual cycle	20	21	104	39	791
Signal group 1	16	5	85	30	495
Signal group 2	15	5	152	33	500
Signal group 3	5	6	12	8	41
Signal group 4	6	5	7	5	35
Signal group 5	11	8	12	9	100
Signal group 7	12	6	14	11	135
Signal group 10	5	6	12	8	41

Monday, 17 July 2023, 9:30:00 AM NZST to Monday, 17 July 2023, 9:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	17	10	101	28	483
D phase	15	14	18	14	224
E phase	2	12	12	12	24
F phase	10	11	14	12	128
Actual cycle	17	25	112	49	847
Signal group 1	16	5	130	30	489
Signal group 2	17	5	107	24	422
Signal group 3	6	5	9	7	44
Signal group 4	5	6	8	7	37
Signal group 5	15	8	12	9	135
Signal group 6	2	6	6	6	12
Signal group 7	15	5	14	10	156
Signal group 8	2	6	12	9	18
Signal group 10	7	5	18	8	62

Monday, 17 July 2023, 9:45:00 AM NZST to Monday, 17 July 2023, 10:00:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	17	10	128	33	563
D phase	13	14	16	14	187
E phase	1	14	14	14	14
F phase	9	11	21	14	128
Actual cycle	16	23	139	51	822
Signal group 1	15	8	123	36	545
Signal group 2	15	5	144	35	525
Signal group 3	7	5	13	8	60
Signal group 4	6	5	13	7	44
Signal group 5	13	8	10	8	109
Signal group 6	1	8	8	8	8
Signal group 7	13	5	12	9	124
Signal group 8	1	5	5	5	5
Signal group 10	8	5	13	8	68
Signal group 11	1	6	6	6	6
Signal group 12	1	6	6	6	6
Signal group 19	1	6	6	6	6
Signal group 20	1	6	6	6	6

Monday, 17 July 2023, 10:00:00 AM NZST to Monday, 17 July 2023, 10:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	21	10	72	24	504
D phase	17	14	21	15	261
E phase	2	12	13	12	25
F phase	9	10	12	11	103
Actual cycle	20	25	93	43	879
Signal group 1	18	5	69	26	485
Signal group 2	21	5	68	20	433
Signal group 3	6	6	6	6	36
Signal group 4	3	5	7	6	18
Signal group 5	17	8	15	9	157
Signal group 6	2	6	7	6	13
Signal group 7	17	5	17	10	176

Signal group 8	2	12	13	12	25
Signal group 10	8	6	7	6	49

Monday, 17 July 2023, 10:15:00 AM NZST to Monday, 17 July 2023, 10:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	21	10	82	23	484
D phase	13	14	28	16	212
E phase	1	12	12	12	12
F phase	14	11	17	12	171
Actual cycle	20	21	93	42	852
Signal group 1	18	5	98	26	472
Signal group 2	17	7	77	27	467
Signal group 3	8	5	12	7	59
Signal group 4	8	5	7	5	47
Signal group 5	14	8	22	10	142
Signal group 6	1	6	6	6	6
Signal group 7	14	5	25	11	154
Signal group 8	1	12	12	12	12
Signal group 10	9	5	12	7	65
Signal group 13	1	6	6	6	6
Signal group 18	1	6	6	6	6

Monday, 17 July 2023, 10:30:00 AM NZST to Monday, 17 July 2023, 10:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	15	11	109	40	605
D phase	11	14	17	14	159
E phase	1	15	15	15	15
F phase	7	11	17	13	92
Actual cycle	15	26	123	58	871
Signal group 1	14	7	105	40	569
Signal group 2	14	7	134	40	560
Signal group 3	5	5	12	8	41
Signal group 4	4	5	9	6	27
Signal group 5	11	8	11	8	93
Signal group 6	1	9	9	9	9
Signal group 7	11	5	15	10	116
Signal group 8	1	11	11	11	11
Signal group 10	6	5	12	8	50

Monday, 17 July 2023, 10:45:00 AM NZST to Monday, 17 July 2023, 11:00:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	18	11	98	28	513
D phase	14	14	26	15	215
E phase	4	12	15	13	55
F phase	6	11	17	13	80
Actual cycle	18	25	112	47	849
Signal group 1	18	6	93	25	451
Signal group 2	17	8	93	25	430
Signal group 3	3	7	12	9	27
Signal group 4	4	6	10	7	30
Signal group 5	14	8	20	9	131
Signal group 6	4	6	9	7	31

Signal group 7	14	5	23	11	162
Signal group 8	4	11	12	11	46
Signal group 10	7	6	12	8	58
Signal group 13	1	6	6	6	6
Signal group 18	1	6	6	6	6

Monday, 17 July 2023, 11:00:00 AM NZST to Monday, 17 July 2023, 11:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	16	10	114	36	589
D phase	10	14	16	14	145
E phase	1	12	12	12	12
F phase	8	12	15	12	102
Actual cycle	15	26	128	53	795
Signal group 1	12	10	119	49	595
Signal group 2	14	6	109	40	562
Signal group 3	5	6	7	6	33
Signal group 4	3	6	9	7	22
Signal group 5	11	8	15	9	100
Signal group 6	1	6	6	6	6
Signal group 7	11	5	12	9	108
Signal group 8	1	12	12	12	12
Signal group 10	6	6	7	6	39
Signal group 11	2	6	6	6	12
Signal group 20	2	6	6	6	12
Pedestrian movement 1	1	646	646	646	646

Monday, 17 July 2023, 11:15:00 AM NZST to Monday, 17 July 2023, 11:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	15	15	105	43	648
D phase	8	14	26	15	126
E phase	1	15	15	15	15
F phase	8	11	16	12	102
Nominal cycle length	2	60	62	61	122
Active cycle length	2	60	62	61	122
Actual cycle	14	31	116	58	819
Signal group 1	11	10	189	58	639
Signal group 2	14	10	100	45	633
Signal group 3	4	6	7	6	25
Signal group 4	4	6	10	8	33
Signal group 5	9	8	20	9	85
Signal group 6	1	9	9	9	9
Signal group 7	8	5	23	11	89
Signal group 8	1	12	12	12	12
Signal group 10	5	6	9	6	34
Signal group 11	1	6	6	6	6
Signal group 13	1	6	6	6	6
Signal group 18	1	6	6	6	6
Signal group 20	1	6	6	6	6

Monday, 17 July 2023, 11:30:00 AM NZST to Monday, 17 July 2023, 11:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	19	10	46	24	467

D phase	13	14	22	14	193
E phase	5	12	12	12	60
F phase	12	11	21	13	167
Actual cycle	19	30	75	46	887
Signal group 1	16	5	71	29	469
Signal group 2	16	5	98	28	458
Signal group 3	7	5	15	7	55
Signal group 4	5	6	13	8	44
Signal group 5	13	8	16	8	114
Signal group 6	5	6	6	6	30
Signal group 7	13	5	13	9	118
Signal group 8	5	6	12	9	48
Signal group 10	10	6	18	9	97

Monday, 17 July 2023, 11:45:00 AM NZST to Monday, 17 July 2023, 12:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	21	10	55	24	523
D phase	10	14	18	15	150
E phase	4	11	15	12	51
F phase	11	11	17	12	142
Actual cycle	20	22	67	41	835
Signal group 1	16	5	77	32	518
Signal group 2	17	10	72	27	469
Signal group 3	6	6	8	6	40
Signal group 4	5	6	12	8	40
Signal group 5	11	8	12	8	97
Signal group 6	4	5	9	6	27
Signal group 7	10	5	14	10	101
Signal group 8	4	11	12	11	45
Signal group 10	10	5	9	6	67

Monday, 17 July 2023, 12:00:00 PM NZST to Monday, 17 July 2023, 12:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	19	11	82	25	480
D phase	13	14	26	15	206
E phase	4	13	14	13	54
F phase	11	11	19	13	148
Nominal cycle length	4	60	62	60	243
Active cycle length	4	60	62	60	243
Actual cycle	19	25	96	46	888
Signal group 1	18	6	104	23	416
Signal group 2	16	6	77	30	494
Signal group 3	2	7	8	7	15
Signal group 4	9	6	14	8	73
Signal group 5	13	8	20	9	128
Signal group 6	4	6	8	7	29
Signal group 7	13	5	17	9	124
Signal group 8	4	5	13	10	42
Signal group 10	5	6	21	10	50
Signal group 11	2	6	6	6	12
Signal group 13	1	6	6	6	6
Signal group 18	1	6	6	6	6
Signal group 20	2	6	6	6	12

Pedestrian movement 1	1	224	224	224	224

Monday, 17 July 2023, 12:15:00 PM NZST to Monday, 17 July 2023, 12:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	20	10	65	24	486
D phase	12	14	18	14	177
E phase	4	11	14	12	50
F phase	12	11	18	14	169
Actual cycle	19	25	78	43	826
Signal group 1	15	5	88	34	510
Signal group 2	18	6	60	22	401
Signal group 3	9	5	12	7	71
Signal group 4	5	6	12	8	43
Signal group 5	12	8	12	8	107
Signal group 6	4	6	8	6	27
Signal group 7	12	5	14	8	107
Signal group 8	4	11	13	11	47
Signal group 10	13	5	12	7	98

Monday, 17 July 2023, 12:30:00 PM NZST to Monday, 17 July 2023, 12:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	21	11	60	24	520
D phase	11	14	17	15	166
E phase	3	12	14	13	39
F phase	12	11	18	12	150
Actual cycle	20	22	74	42	856
Signal group 1	17	6	93	31	530
Signal group 2	16	10	102	29	472
Signal group 3	7	5	13	7	54
Signal group 4	5	5	6	5	28
Signal group 5	12	8	13	9	112
Signal group 6	3	6	8	6	20
Signal group 7	12	6	14	10	131
Signal group 8	3	11	13	12	36
Signal group 10	10	5	13	7	74

Monday, 17 July 2023, 12:45:00 PM NZST to Monday, 17 July 2023, 1:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	17	10	121	35	605
D phase	12	14	15	14	173
E phase	2	14	15	14	29
F phase	7	11	14	12	84
Actual cycle	16	21	135	53	863
Signal group 1	15	6	116	35	539
Signal group 2	16	6	116	36	587
Signal group 3	2	6	7	6	13
Signal group 4	5	6	9	7	35
Signal group 5	12	8	9	8	101
Signal group 6	2	8	9	8	17
Signal group 7	12	5	12	9	119
Signal group 8	2	11	12	11	23
Signal group 10	4	6	9	7	30

Signal group 12	1	7	7	7	7
Signal group 19	1	7	7	7	7
Pedestrian movement 2	1	2	2	2	2

Monday, 17 July 2023, 1:00:00 PM NZST to Monday, 17 July 2023, 1:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	21	10	78	25	540
D phase	9	14	18	15	139
E phase	5	12	15	13	67
F phase	11	11	16	13	143
Actual cycle	20	27	96	42	852
Signal group 1	18	9	74	28	506
Signal group 2	16	5	107	33	530
Signal group 3	6	5	10	6	41
Signal group 4	6	7	9	7	46
Signal group 5	9	8	12	9	82
Signal group 6	5	6	9	7	37
Signal group 7	9	5	15	10	97
Signal group 8	5	6	12	10	51
Signal group 10	10	6	17	8	84

Monday, 17 July 2023, 1:15:00 PM NZST to Monday, 17 July 2023, 1:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	22	11	45	23	527
D phase	14	14	17	15	211
E phase	2	12	15	13	27
F phase	9	10	19	13	118
Actual cycle	21	25	60	41	864
Signal group 1	21	6	52	22	464
Signal group 2	16	6	113	31	507
Signal group 3	3	6	11	8	25
Signal group 4	6	5	13	7	45
Signal group 5	14	8	11	9	129
Signal group 6	2	6	8	7	14
Signal group 7	15	5	14	11	167
Signal group 8	2	12	12	12	24
Signal group 10	5	6	11	7	39
Signal group 11	1	6	6	6	6
Signal group 20	1	6	6	6	6

Monday, 17 July 2023, 1:30:00 PM NZST to Monday, 17 July 2023, 1:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	21	10	59	24	510
D phase	12	14	19	15	187
E phase	1	14	14	14	14
F phase	13	11	14	12	160
Actual cycle	21	24	70	41	871
Signal group 1	18	5	82	22	408
Signal group 2	15	5	90	34	510
Signal group 3	6	5	8	6	40
Signal group 4	8	5	9	7	56
Signal group 5	12	8	13	9	115

Signal group 6	1	8	8	8	8
Signal group 7	12	7	16	11	142
Signal group 8	1	12	12	12	12
Signal group 10	7	5	8	6	48

Monday, 17 July 2023, 1:45:00 PM NZST to Monday, 17 July 2023, 2:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	20	10	49	23	462
D phase	11	14	20	15	175
E phase	2	12	12	12	24
F phase	15	11	18	12	186
Actual cycle	19	22	63	43	821
Signal group 1	15	9	64	29	439
Signal group 2	16	5	82	30	488
Signal group 3	7	5	7	6	42
Signal group 4	8	5	12	7	60
Signal group 5	11	8	14	9	108
Signal group 6	3	6	8	6	20
Signal group 7	11	5	17	10	112
Signal group 8	2	12	12	12	24
Signal group 10	10	5	8	6	62

Monday, 17 July 2023, 2:00:00 PM NZST to Monday, 17 July 2023, 2:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	15	10	174	39	589
D phase	9	14	22	15	136
E phase	3	12	14	12	38
F phase	9	11	21	13	124
Actual cycle	14	22	185	59	827
Signal group 1	14	5	169	40	561
Signal group 2	13	7	194	45	597
Signal group 3	4	7	10	7	31
Signal group 4	6	5	15	7	47
Signal group 5	10	8	16	9	91
Signal group 6	3	6	8	6	20
Signal group 7	9	5	19	9	84
Signal group 8	3	11	12	11	35
Signal group 10	7	6	10	7	51
Signal group 11	1	6	6	6	6
Signal group 20	1	6	6	6	6

Monday, 17 July 2023, 2:15:00 PM NZST to Monday, 17 July 2023, 2:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	22	10	56	25	555
D phase	14	14	21	14	208
E phase	1	14	14	14	14
F phase	9	11	15	12	116
Actual cycle	22	24	70	40	893
Signal group 1	21	5	51	22	463
Signal group 2	16	10	77	34	547
Signal group 3	1	6	6	6	6
Signal group 4	8	5	10	7	60

Signal group 5	14	8	15	8	125
Signal group 6	1	8	8	8	8
Signal group 7	14	5	18	11	159
Signal group 8	1	11	11	11	11
Signal group 10	2	6	8	7	14

Monday, 17 July 2023, 2:30:00 PM NZST to Monday, 17 July 2023, 2:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	18	13	69	30	544
D phase	11	14	18	14	163
E phase	1	14	14	14	14
F phase	12	10	18	12	152
Actual cycle	17	29	83	49	844
Signal group 1	16	8	82	30	488
Signal group 2	14	13	96	42	600
Signal group 3	2	7	8	7	15
Signal group 4	10	5	12	7	72
Signal group 5	12	8	13	9	108
Signal group 6	1	8	8	8	8
Signal group 7	11	5	13	9	102
Signal group 8	1	11	11	11	11
Signal group 10	3	7	8	7	23

Monday, 17 July 2023, 2:45:00 PM NZST to Monday, 17 July 2023, 3:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	20	11	66	27	543
D phase	13	14	19	15	198
E phase	4	12	26	16	64
F phase	7	11	16	13	91
Nominal cycle length	6	60	65	62	372
Active cycle length	6	60	65	62	372
Actual cycle	19	22	93	45	860
Signal group 1	19	5	64	24	458
Signal group 2	16	14	61	33	541
Signal group 3	1	6	6	6	6
Signal group 4	6	5	10	7	46
Signal group 5	13	8	13	9	118
Signal group 6	4	6	20	10	40
Signal group 7	13	5	16	9	123
Signal group 8	4	12	23	15	61
Signal group 10	4	6	7	6	26
Signal group 11	2	7	7	7	14
Signal group 14	1	6	6	6	6
Signal group 17	1	6	6	6	6
Signal group 20	2	7	7	7	14
Pedestrian movement 1	2	2	439	220	441

Monday, 17 July 2023, 3:00:00 PM NZST to Monday, 17 July 2023, 3:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	16	10	51	30	482
D phase	13	14	21	15	205
E phase	5	12	26	17	89

F phase	8	12	18	13	109
Nominal cycle length	6	62	89	74	447
Active cycle length	6	62	89	74	447
Actual cycle	15	23	105	54	823
Signal group 1	15	12	46	27	419
Signal group 2	16	6	58	30	486
Signal group 3	2	6	7	6	13
Signal group 4	7	5	11	7	53
Signal group 5	13	8	15	9	125
Signal group 6	5	6	20	11	58
Signal group 7	14	5	13	8	116
Signal group 8	5	12	26	17	89
Signal group 10	5	6	7	6	31
Signal group 11	6	6	7	6	37
Signal group 14	2	6	6	6	12
Signal group 17	2	6	6	6	12
Signal group 20	6	6	7	6	37
Pedestrian movement 1	5	24	172	80	402
Pedestrian movement 4	1	213	213	213	213

Monday, 17 July 2023, 3:15:00 PM NZST to Monday, 17 July 2023, 3:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	15	10	94	34	514
D phase	12	14	20	16	194
E phase	4	12	15	13	55
F phase	7	12	15	13	91
Nominal cycle length	8	60	95	77	622
Active cycle length	8	60	95	77	622
Actual cycle	15	24	124	56	854
Signal group 1	14	12	113	32	458
Signal group 2	15	12	89	34	516
Signal group 3	1	8	8	8	8
Signal group 4	6	6	10	7	44
Signal group 5	12	8	14	10	122
Signal group 6	4	6	9	7	30
Signal group 7	13	5	15	9	122
Signal group 8	4	11	13	12	49
Signal group 10	5	6	9	7	38
Signal group 11	1	6	6	6	6
Signal group 20	1	6	6	6	6

Monday, 17 July 2023, 3:30:00 PM NZST to Monday, 17 July 2023, 3:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	18	11	68	24	436
D phase	17	14	27	16	274
E phase	4	12	12	12	48
F phase	7	10	14	11	82
Nominal cycle length	2	60	62	61	122
Active cycle length	2	60	62	61	122
Actual cycle	18	21	95	45	813
Signal group 1	18	7	63	19	358
Signal group 2	16	8	63	25	414
Signal group 3	1	7	7	7	7

Signal group 4	6	5	7	6	38
Signal group 5	17	8	20	10	170
Signal group 6	4	6	6	6	24
Signal group 7	17	5	17	9	167
Signal group 8	4	12	12	12	48
Signal group 10	5	6	7	6	31
Signal group 11	2	6	6	6	12
Signal group 13	1	6	6	6	6
Signal group 18	1	6	6	6	6
Signal group 20	2	6	6	6	12
Pedestrian movement 1	1	160	160	160	160

Monday, 17 July 2023, 3:45:00 PM NZST to Monday, 17 July 2023, 4:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	17	10	61	32	545
D phase	12	14	19	15	182
E phase	4	11	14	12	49
F phase	9	10	20	13	121
Nominal cycle length	6	60	68	63	381
Active cycle length	6	60	68	63	381
Actual cycle	17	24	76	52	897
Signal group 1	16	5	56	27	434
Signal group 2	12	19	113	46	560
Signal group 3	1	9	9	9	9
Signal group 4	9	5	15	7	70
Signal group 5	12	8	13	9	110
Signal group 6	4	5	8	6	25
Signal group 7	12	5	15	8	103
Signal group 8	4	11	12	11	46
Signal group 10	5	5	9	6	34
Signal group 11	1	6	6	6	6
Signal group 20	1	6	6	6	6

Monday, 17 July 2023, 4:00:00 PM NZST to Monday, 17 July 2023, 4:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	16	16	47	29	466
D phase	11	14	18	15	169
E phase	4	12	14	13	52
F phase	13	11	19	12	168
Nominal cycle length	8	60	62	61	488
Active cycle length	8	60	62	61	488
Actual cycle	16	29	70	52	836
Signal group 1	15	13	42	27	414
Signal group 2	13	11	83	36	473
Signal group 3	4	5	7	6	24
Signal group 4	11	5	13	7	81
Signal group 5	11	8	12	9	103
Signal group 6	4	6	9	6	27
Signal group 7	11	5	12	8	89
Signal group 8	4	11	13	12	49
Signal group 10	8	5	9	6	51
Signal group 11	2	6	6	6	12
Signal group 20	2	6	6	6	12

Pedestrian movement 1	1	185	185	185	185

Monday, 17 July 2023, 4:15:00 PM NZST to Monday, 17 July 2023, 4:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	15	19	56	34	513
D phase	13	14	22	15	203
E phase	4	12	27	16	65
F phase	7	11	14	11	82
Nominal cycle length	8	60	66	64	512
Active cycle length	8	60	66	64	512
Actual cycle	15	34	82	56	849
Signal group 1	15	15	51	29	438
Signal group 2	13	15	74	36	476
Signal group 4	7	6	9	6	46
Signal group 5	13	8	16	9	124
Signal group 6	4	5	20	10	40
Signal group 7	13	5	19	8	114
Signal group 8	4	11	27	15	62
Signal group 10	3	5	9	6	20
Signal group 11	1	7	7	7	7
Signal group 14	1	6	6	6	6
Signal group 17	1	6	6	6	6
Signal group 20	1	7	7	7	7

Monday, 17 July 2023, 4:30:00 PM NZST to Monday, 17 July 2023, 4:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	15	20	53	33	499
D phase	14	14	27	16	231
E phase	3	12	12	12	36
F phase	9	11	17	13	121
Nominal cycle length	13	60	78	66	869
Active cycle length	13	60	78	66	869
Actual cycle	14	34	75	58	819
Signal group 1	15	15	48	28	426
Signal group 2	14	15	97	39	552
Signal group 4	9	6	11	8	72
Signal group 5	14	8	20	10	144
Signal group 6	3	6	6	6	18
Signal group 7	14	5	24	9	137
Signal group 8	3	12	12	12	36
Signal group 10	3	6	6	6	18
Signal group 13	1	6	6	6	6
Signal group 18	1	6	6	6	6

Monday, 17 July 2023, 4:45:00 PM NZST to Monday, 17 July 2023, 5:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	15	21	52	34	512
D phase	12	14	20	15	191
E phase	2	12	12	12	24
F phase	11	11	16	13	145
Nominal cycle length	5	60	88	71	359
Active cycle length	5	60	88	71	359

Actual cycle	15	35	81	57	861
Signal group 1	15	16	55	30	464
Signal group 2	12	23	83	45	543
Signal group 3	3	7	9	8	25
Signal group 4	9	5	11	7	69
Signal group 5	12	8	14	10	121
Signal group 6	2	6	6	6	12
Signal group 7	13	6	16	9	126
Signal group 8	2	12	12	12	24
Signal group 10	5	6	9	7	37

Monday, 17 July 2023, 5:00:00 PM NZST to Monday, 17 July 2023, 5:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	12	18	74	40	488
D phase	9	14	27	17	156
E phase	3	12	27	21	65
F phase	10	11	20	15	156
Nominal cycle length	9	96	105	99	892
Active cycle length	9	96	105	99	892
Actual cycle	11	36	116	69	762
Signal group 1	12	13	69	35	425
Signal group 2	8	22	158	62	500
Signal group 3	2	6	8	7	14
Signal group 4	11	5	15	9	101
Signal group 5	9	8	20	11	101
Signal group 6	3	6	21	15	47
Signal group 7	9	6	17	9	81
Signal group 8	3	12	26	19	59
Signal group 10	3	6	9	7	23
Signal group 11	3	6	6	6	18
Signal group 13	1	6	6	6	6
Signal group 14	2	6	7	6	13
Signal group 17	2	6	7	6	13
Signal group 18	1	6	6	6	6
Signal group 20	3	6	6	6	18
Pedestrian movement 1	2	59	70	64	129
Pedestrian movement 4	1	63	63	63	63

Monday, 17 July 2023, 5:15:00 PM NZST to Monday, 17 July 2023, 5:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	18	19	49	29	525
D phase	13	14	20	15	199
E phase	2	12	13	12	25
F phase	9	11	21	13	123
Nominal cycle length	6	60	100	78	470
Active cycle length	6	60	100	78	470
Actual cycle	18	33	75	48	872
Signal group 1	18	14	44	24	435
Signal group 2	12	17	152	46	563
Signal group 4	9	5	16	8	72
Signal group 5	13	8	14	9	121
Signal group 6	2	6	6	6	12
Signal group 7	13	5	16	9	123

Signal group 8	2	12	13	12	25
Signal group 10	2	6	6	6	12
Signal group 11	1	6	6	6	6
Signal group 20	1	6	6	6	6

Monday, 17 July 2023, 5:30:00 PM NZST to Monday, 17 July 2023, 5:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	17	10	61	32	545
D phase	13	14	16	14	188
E phase	2	14	15	14	29
F phase	10	11	15	12	126
Nominal cycle length	2	60	62	61	122
Active cycle length	2	60	62	61	122
Actual cycle	16	25	87	51	822
Signal group 1	17	15	56	27	473
Signal group 2	15	6	70	38	575
Signal group 3	2	6	7	6	13
Signal group 4	9	5	10	7	67
Signal group 5	13	8	10	8	110
Signal group 6	2	8	9	8	17
Signal group 7	13	5	12	8	111
Signal group 8	2	11	11	11	22
Signal group 10	4	6	9	7	30

Monday, 17 July 2023, 5:45:00 PM NZST to Monday, 17 July 2023, 6:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	20	11	46	23	474
D phase	14	14	21	15	217
E phase	1	14	14	14	14
F phase	14	10	16	12	175
Nominal cycle length	2	60	62	61	122
Active cycle length	2	60	62	61	122
Actual cycle	20	26	64	42	855
Signal group 1	19	5	41	20	398
Signal group 2	15	10	86	35	532
Signal group 3	2	6	7	6	13
Signal group 4	12	5	10	7	86
Signal group 5	13	8	16	9	125
Signal group 6	1	8	8	8	8
Signal group 7	14	5	18	9	135
Signal group 8	1	11	11	11	11
Signal group 10	3	6	8	7	21
Signal group 11	1	6	6	6	6
Signal group 20	1	6	6	6	6

Monday, 17 July 2023, 6:00:00 PM NZST to Monday, 17 July 2023, 6:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	18	14	77	33	597
D phase	13	14	17	14	192
F phase	7	11	15	12	86
Nominal cycle length	7	60	68	63	442
Active cycle length	7	60	68	63	442

Actual cycle	18	27	91	47	859
Signal group 1	18	9	72	28	506
Signal group 2	12	12	101	51	623
Signal group 4	7	5	9	6	47
Signal group 5	13	8	11	8	113
Signal group 7	13	8	12	11	147

Monday, 17 July 2023, 6:15:00 PM NZST to Monday, 17 July 2023, 6:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	17	10	124	31	534
D phase	15	14	16	14	223
F phase	6	11	17	13	78
Actual cycle	16	23	138	49	787
Signal group 1	17	5	119	26	450
Signal group 2	14	8	172	38	543
Signal group 4	6	5	11	7	44
Signal group 5	15	8	10	8	131
Signal group 7	15	5	13	10	153

Monday, 17 July 2023, 6:30:00 PM NZST to Monday, 17 July 2023, 6:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	14	14	245	45	641
D phase	10	14	18	14	146
F phase	7	11	14	12	85
Actual cycle	14	28	259	62	872
Signal group 1	14	9	240	40	571
Signal group 2	9	9	126	47	424
Signal group 4	7	5	9	6	45
Signal group 5	10	8	12	8	85
Signal group 7	10	5	15	9	98
Signal group 11	1	6	6	6	6
Signal group 20	1	6	6	6	6

Monday, 17 July 2023, 6:45:00 PM NZST to Monday, 17 July 2023, 7:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	16	13	66	31	502
D phase	10	14	18	14	146
F phase	10	11	16	13	131
Actual cycle	16	25	80	47	764
Signal group 1	15	8	61	29	442
Signal group 2	10	10	97	51	517
Signal group 3	1	10	10	10	10
Signal group 4	9	5	11	7	67
Signal group 5	10	8	12	8	86
Signal group 7	10	5	15	9	98
Signal group 10	1	10	10	10	10

Monday, 17 July 2023, 7:00:00 PM NZST to Monday, 17 July 2023, 7:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	11	10	176	58	640
D phase	8	14	16	14	116

F phase	3	12	14	12	38
Actual cycle	10	25	190	76	765
Signal group 1	11	5	171	53	588
Signal group 2	8	5	171	79	639
Signal group 4	3	7	8	7	22
Signal group 5	8	8	10	8	67
Signal group 7	8	11	13	11	91

Monday, 17 July 2023, 7:15:00 PM NZST to Monday, 17 July 2023, 7:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	15	10	110	44	665
D phase	9	14	15	14	128
F phase	8	11	13	11	93
Actual cycle	14	24	124	58	823
Signal group 1	15	5	105	39	590
Signal group 2	9	35	112	72	650
Signal group 4	8	5	8	6	50
Signal group 5	9	8	9	8	74
Signal group 7	10	5	12	8	89
Signal group 11	1	6	6	6	6
Signal group 20	1	6	6	6	6
Pedestrian movement 1	1	2	2	2	2

Monday, 17 July 2023, 7:30:00 PM NZST to Monday, 17 July 2023, 7:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	18	10	75	34	618
D phase	14	14	15	14	201
F phase	5	12	13	12	61
Actual cycle	18	22	89	48	880
Signal group 1	18	5	70	29	529
Signal group 2	13	12	125	45	590
Signal group 4	5	5	8	6	33
Signal group 5	14	8	9	8	118
Signal group 7	14	6	12	10	152
Signal group 11	1	6	6	6	6
Signal group 20	1	6	6	6	6

Monday, 17 July 2023, 7:45:00 PM NZST to Monday, 17 July 2023, 8:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	5	15	351	123	618
D phase	3	14	14	14	42
F phase	3	10	12	11	34
Actual cycle	5	29	363	136	682
Signal group 1	5	10	347	118	594
Signal group 2	2	71	544	307	615
Signal group 4	3	5	7	6	18
Signal group 5	3	8	8	8	24
Signal group 7	3	11	11	11	33

Monday, 17 July 2023, 8:00:00 PM NZST to Monday, 17 July 2023, 8:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total

A phase	11	17	204	64	712
D phase	7	14	15	14	101
F phase	4	11	14	12	49
Actual cycle	10	32	215	75	759
Signal group 1	11	12	199	59	658
Signal group 2	7	12	299	103	727
Signal group 4	4	5	9	7	28
Signal group 5	7	8	9	8	60
Signal group 7	7	11	12	11	79

Monday, 17 July 2023, 8:15:00 PM NZST to Monday, 17 July 2023, 8:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	8	18	175	87	702
D phase	6	14	14	14	84
F phase	3	11	12	11	34
Actual cycle	8	32	189	100	806
Signal group 1	8	13	170	82	663
Signal group 2	5	13	263	142	711
Signal group 4	3	5	7	6	18
Signal group 5	5	8	8	8	40
Signal group 7	6	11	11	11	66

Monday, 17 July 2023, 8:30:00 PM NZST to Monday, 17 July 2023, 8:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	7	18	179	84	588
D phase	6	14	15	14	87
F phase	3	11	12	11	34
Actual cycle	7	30	193	99	695
Signal group 1	7	13	174	79	554
Signal group 2	5	15	174	94	470
Signal group 4	3	5	6	5	17
Signal group 5	6	8	9	8	51
Signal group 7	6	6	12	10	62

Monday, 17 July 2023, 8:45:00 PM NZST to Monday, 17 July 2023, 9:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	7	18	197	109	765
D phase	7	14	15	14	99
F phase	1	12	12	12	12
Actual cycle	7	32	211	123	861
Signal group 1	7	13	192	104	730
Signal group 2	6	13	261	124	747
Signal group 4	1	6	6	6	6
Signal group 5	7	8	9	8	57
Signal group 7	7	11	11	11	77

Monday, 17 July 2023, 9:00:00 PM NZST to Monday, 17 July 2023, 9:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	5	43	165	107	536
D phase	5	14	15	14	71
F phase	1	14	14	14	14

Actual cycle	5	57	179	121	606
Signal group 1	5	38	160	102	511
Signal group 2	4	38	290	132	530
Signal group 4	1	8	8	8	8
Signal group 5	5	8	9	8	41
Signal group 7	5	11	12	11	56

Monday, 17 July 2023, 9:15:00 PM NZST to Monday, 17 July 2023, 9:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	4	15	272	189	757
D phase	3	14	14	14	42
F phase	2	11	12	11	23
Actual cycle	4	27	286	202	811
Signal group 1	4	11	267	184	738
Signal group 2	2	213	274	243	487
Signal group 4	2	6	7	6	13
Signal group 5	3	8	9	8	25
Signal group 7	3	11	11	11	33

Monday, 17 July 2023, 9:30:00 PM NZST to Monday, 17 July 2023, 9:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	9	10	230	83	754
D phase	5	14	15	14	71
F phase	4	10	12	11	44
Actual cycle	8	21	241	89	718
Signal group 1	8	5	225	90	727
Signal group 2	6	37	351	126	758
Signal group 3	1	7	7	7	7
Signal group 4	3	5	5	5	15
Signal group 5	6	8	9	8	50
Signal group 7	6	11	11	11	66
Signal group 10	1	7	7	7	7

Monday, 17 July 2023, 9:45:00 PM NZST to Monday, 17 July 2023, 10:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	5	12	332	158	791
D phase	2	14	15	14	29
F phase	4	10	11	10	43
Actual cycle	5	38	346	172	863
Signal group 1	5	7	327	153	766
Signal group 2	2	334	338	336	672
Signal group 4	4	5	6	5	22
Signal group 5	2	8	9	8	17
Signal group 7	2	6	11	8	17

Monday, 17 July 2023, 10:00:00 PM NZST to Monday, 17 July 2023, 10:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	4	79	354	165	660
D phase	2	14	15	14	29
F phase	3	11	11	11	33
Actual cycle	4	93	365	176	707

Signal group 1	4	74	349	160	640
Signal group 2	1	439	439	439	439
Signal group 4	3	5	6	5	16
Signal group 5	2	8	9	8	17
Signal group 7	2	11	11	11	22

Monday, 17 July 2023, 10:15:00 PM NZST to Monday, 17 July 2023, 10:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	4	52	513	196	784
D phase	3	14	15	14	43
F phase	2	12	17	14	29
Actual cycle	4	66	530	211	844
Signal group 1	4	47	508	191	765
Signal group 2	2	63	147	105	210
Signal group 4	2	7	12	9	19
Signal group 5	3	8	9	8	25
Signal group 7	3	11	11	11	33

Monday, 17 July 2023, 10:30:00 PM NZST to Monday, 17 July 2023, 10:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	2	46	334	190	380
D phase	1	14	14	14	14
F phase	2	11	12	11	23
Actual cycle	2	60	345	202	405
Signal group 1	2	41	329	185	370
Signal group 4	2	6	6	6	12
Signal group 5	1	8	8	8	8
Signal group 7	1	11	11	11	11

Monday, 17 July 2023, 10:45:00 PM NZST to Monday, 17 July 2023, 11:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	2	107	401	254	508
D phase	2	14	14	14	28
F phase	1	11	11	11	11
Actual cycle	2	121	415	268	536
Signal group 1	2	102	396	249	498
Signal group 2	1	396	396	396	396
Signal group 4	1	6	6	6	6
Signal group 5	2	8	8	8	16
Signal group 7	2	11	11	11	22

Monday, 17 July 2023, 11:00:00 PM NZST to Monday, 17 July 2023, 11:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	1	11	11	11	11
D phase	1	14	14	14	14
F phase	1	11	11	11	11
Actual cycle	1	25	25	25	25
Signal group 1	1	5	5	5	5
Signal group 4	1	6	6	6	6
Signal group 5	1	8	8	8	8
Signal group 7	1	12	12	12	12

Monday, 17 July 2023, 11:15:00 PM NZST to Monday, 17 July 2023, 11:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	1	157	157	157	157
D phase	2	14	14	14	28
Actual cycle	1	171	171	171	171
Signal group 1	1	152	152	152	152
Signal group 2	1	152	152	152	152
Signal group 5	2	8	8	8	16
Signal group 7	2	11	11	11	22

Monday, 17 July 2023, 11:30:00 PM NZST to Monday, 17 July 2023, 11:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	5	43	147	92	464
D phase	3	14	14	14	42
F phase	2	11	13	12	24
Actual cycle	4	57	161	108	434
Signal group 1	5	38	142	87	439
Signal group 2	3	38	300	139	418
Signal group 4	2	5	7	6	12
Signal group 5	4	8	8	8	32
Signal group 7	4	11	11	11	44

Monday, 17 July 2023, 11:45:00 PM NZST to Tuesday, 18 July 2023, 12:00:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	2	143	743	443	886
F phase	1	12	12	12	12
Actual cycle	2	143	755	449	898
Signal group 1	2	144	739	441	883
Signal group 2	1	899	899	899	899
Signal group 4	1	6	6	6	6

Report: Periodic statistics for site 1636

15 minute intervals

From: Friday, 21 July 2023, 12:00:00 AM NZST

To: Friday, 21 July 2023, 11:59:59 PM NZST

Friday, 21 July 2023, 12:00:00 AM NZST to Friday, 21 July 2023, 12:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
Unknown phase	1	8	8	8	8
A phase	1	303	303	303	303
F phase	1	12	12	12	12
Actual cycle	2	8	315	161	323
Signal group 1	1	298	298	298	298
Signal group 4	2	0	7	3	7

Friday, 21 July 2023, 12:15:00 AM NZST to Friday, 21 July 2023, 12:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
Signal group 4	1	0	0	0	0

Friday, 21 July 2023, 12:30:00 AM NZST to Friday, 21 July 2023, 12:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
Signal group 4	1	0	0	0	0

Friday, 21 July 2023, 12:45:00 AM NZST to Friday, 21 July 2023, 1:00:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
D phase	1	14	14	14	14
Signal group 4	1	0	0	0	0
Signal group 5	1	8	8	8	8
Signal group 7	1	12	12	12	12

Friday, 21 July 2023, 1:00:00 AM NZST to Friday, 21 July 2023, 1:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
F phase	1	11	11	11	11
Signal group 4	2	0	5	2	5

Friday, 21 July 2023, 1:15:00 AM NZST to Friday, 21 July 2023, 1:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
Signal group 4	1	0	0	0	0

Friday, 21 July 2023, 1:30:00 AM NZST to Friday, 21 July 2023, 1:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
Signal group 4	1	0	0	0	0

Friday, 21 July 2023, 1:45:00 AM NZST to Friday, 21 July 2023, 2:00:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
Signal group 4	1	0	0	0	0

Friday, 21 July 2023, 2:00:00 AM NZST to Friday, 21 July 2023, 2:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
Signal group 4	1	0	0	0	0

Friday, 21 July 2023, 2:15:00 AM NZST to Friday, 21 July 2023, 2:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
Signal group 4	1	0	0	0	0

Friday, 21 July 2023, 2:30:00 AM NZST to Friday, 21 July 2023, 2:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
Signal group 4	1	0	0	0	0

Friday, 21 July 2023, 2:45:00 AM NZST to Friday, 21 July 2023, 3:00:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
Signal group 4	1	0	0	0	0

Friday, 21 July 2023, 3:00:00 AM NZST to Friday, 21 July 2023, 3:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
Signal group 4	1	0	0	0	0

Friday, 21 July 2023, 3:15:00 AM NZST to Friday, 21 July 2023, 3:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
Signal group 4	1	0	0	0	0

Friday, 21 July 2023, 3:30:00 AM NZST to Friday, 21 July 2023, 3:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
Signal group 4	1	0	0	0	0

Friday, 21 July 2023, 3:45:00 AM NZST to Friday, 21 July 2023, 4:00:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	1	234	234	234	234
D phase	2	14	15	14	29
Actual cycle	1	249	249	249	249
Signal group 1	1	230	230	230	230
Signal group 2	1	230	230	230	230
Signal group 4	1	0	0	0	0
Signal group 5	2	8	9	8	17
Signal group 7	2	11	11	11	22

Friday, 21 July 2023, 4:00:00 AM NZST to Friday, 21 July 2023, 4:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
Signal group 4	1	0	0	0	0

Friday, 21 July 2023, 4:15:00 AM NZST to Friday, 21 July 2023, 4:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	4	10	302	165	661
D phase	4	14	15	14	57

F phase	1	14	14	14	14
Actual cycle	4	25	316	179	718
Signal group 1	4	6	297	160	642
Signal group 2	3	95	297	212	636
Signal group 4	2	0	8	4	8
Signal group 5	4	8	9	8	33
Signal group 7	4	11	12	11	45

Friday, 21 July 2023, 4:30:00 AM NZST to Friday, 21 July 2023, 4:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	3	52	331	219	657
D phase	3	14	14	14	42
F phase	1	13	13	13	13
Actual cycle	3	65	345	232	698
Signal group 1	3	48	326	214	643
Signal group 2	2	326	334	330	660
Signal group 4	2	0	7	3	7
Signal group 5	3	8	8	8	24
Signal group 7	3	11	11	11	33

Friday, 21 July 2023, 4:45:00 AM NZST to Friday, 21 July 2023, 5:00:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	4	10	404	131	524
D phase	5	14	15	14	71
Actual cycle	4	24	418	145	581
Signal group 1	4	5	399	126	505
Signal group 2	4	5	399	126	505
Signal group 4	1	0	0	0	0
Signal group 5	5	8	9	8	43
Signal group 7	5	11	11	11	55

Friday, 21 July 2023, 5:00:00 AM NZST to Friday, 21 July 2023, 5:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	6	11	258	96	579
D phase	7	14	15	14	99
Actual cycle	6	26	272	110	664
Signal group 1	6	6	253	91	549
Signal group 2	6	6	253	91	549
Signal group 4	1	0	0	0	0
Signal group 5	7	8	9	8	57
Signal group 7	7	11	12	11	78

Friday, 21 July 2023, 5:15:00 AM NZST to Friday, 21 July 2023, 5:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	5	11	240	84	422
D phase	4	14	14	14	56
F phase	1	11	11	11	11
Actual cycle	4	25	251	106	427
Signal group 1	5	6	235	79	397
Signal group 2	4	9	257	103	413
Signal group 4	2	0	5	2	5

Signal group 5	5	8	8	8	40
Signal group 7	4	11	11	11	44

Friday, 21 July 2023, 5:30:00 AM NZST to Friday, 21 July 2023, 5:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	9	21	188	82	741
D phase	8	14	14	14	112
F phase	2	11	11	11	22
Actual cycle	9	33	202	97	875
Signal group 1	8	16	183	89	712
Signal group 2	9	16	183	78	707
Signal group 3	1	6	6	6	6
Signal group 4	2	0	6	3	6
Signal group 5	8	8	8	8	64
Signal group 7	8	5	11	10	82
Signal group 10	1	6	6	6	6

Friday, 21 July 2023, 5:45:00 AM NZST to Friday, 21 July 2023, 6:00:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	13	10	188	48	624
D phase	11	14	15	14	156
E phase	1	14	14	14	14
F phase	2	11	11	11	22
Actual cycle	13	22	203	61	802
Signal group 1	13	5	184	43	561
Signal group 2	11	6	184	53	593
Signal group 4	3	0	6	3	11
Signal group 5	11	8	9	8	90
Signal group 6	1	8	8	8	8
Signal group 7	11	11	12	11	122
Signal group 8	1	11	11	11	11
Signal group 10	1	8	8	8	8

Friday, 21 July 2023, 6:00:00 AM NZST to Friday, 21 July 2023, 6:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	13	11	153	50	657
D phase	12	14	17	14	175
F phase	4	11	12	11	45
Actual cycle	13	23	168	66	863
Signal group 1	13	6	161	48	634
Signal group 2	13	6	148	48	633
Signal group 3	2	6	7	6	13
Signal group 4	3	0	5	3	10
Signal group 5	12	8	11	8	102
Signal group 7	12	5	14	11	132
Signal group 10	2	6	7	6	13

Friday, 21 July 2023, 6:15:00 AM NZST to Friday, 21 July 2023, 6:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	16	11	105	41	664
D phase	14	14	16	14	205

F phase	2	11	12	11	23
Actual cycle	15	25	119	57	864
Signal group 1	15	6	100	40	602
Signal group 2	15	6	102	40	601
Signal group 3	1	6	6	6	6
Signal group 4	2	0	6	3	6
Signal group 5	14	8	10	8	121
Signal group 7	14	11	13	11	161
Signal group 10	1	6	6	6	6

Friday, 21 July 2023, 6:30:00 AM NZST to Friday, 21 July 2023, 6:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	20	10	110	30	601
D phase	12	14	17	14	176
F phase	8	11	19	12	103
Actual cycle	19	21	124	45	868
Signal group 1	18	5	105	30	552
Signal group 2	15	14	105	39	593
Signal group 3	3	6	9	7	22
Signal group 4	6	0	13	6	37
Signal group 5	12	8	11	8	103
Signal group 7	12	11	14	11	139
Signal group 10	3	6	9	7	22

Friday, 21 July 2023, 6:45:00 AM NZST to Friday, 21 July 2023, 7:00:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	16	10	73	37	604
D phase	13	14	21	14	194
F phase	7	11	13	11	81
Nominal cycle length	3	60	62	61	183
Active cycle length	3	60	62	61	183
Actual cycle	16	21	94	54	879
Signal group 1	15	16	68	37	564
Signal group 2	14	10	104	40	567
Signal group 3	3	6	6	6	18
Signal group 4	5	0	7	5	26
Signal group 5	13	8	16	8	116
Signal group 7	13	5	18	11	143
Signal group 10	3	6	6	6	18

Friday, 21 July 2023, 7:00:00 AM NZST to Friday, 21 July 2023, 7:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	17	10	56	29	494
D phase	15	14	16	14	218
E phase	1	16	16	16	16
F phase	5	11	12	11	59
Actual cycle	17	22	70	45	773
Signal group 1	16	5	62	27	439
Signal group 2	16	8	72	28	450
Signal group 3	2	6	7	6	13
Signal group 4	4	0	6	4	17
Signal group 5	15	8	10	8	128

Signal group 6	1	10	10	10	10
Signal group 7	15	5	13	10	160
Signal group 8	1	13	13	13	13
Signal group 10	3	6	10	7	23

Friday, 21 July 2023, 7:15:00 AM NZST to Friday, 21 July 2023, 7:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	16	10	87	33	543
D phase	15	14	17	14	221
E phase	1	12	12	12	12
F phase	5	11	17	12	64
Actual cycle	16	25	101	51	826
Signal group 1	15	5	82	32	482
Signal group 2	15	5	92	33	498
Signal group 3	2	6	8	7	14
Signal group 4	5	0	12	6	30
Signal group 5	15	8	11	8	131
Signal group 6	1	6	6	6	6
Signal group 7	15	5	13	10	156
Signal group 8	1	12	12	12	12
Signal group 10	3	6	8	6	20

Friday, 21 July 2023, 7:30:00 AM NZST to Friday, 21 July 2023, 7:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	22	10	82	23	526
D phase	20	14	22	15	311
F phase	4	11	14	12	50
Actual cycle	22	21	96	39	861
Signal group 1	21	5	77	20	437
Signal group 2	20	6	77	22	452
Signal group 3	2	6	9	7	15
Signal group 4	4	0	7	5	20
Signal group 5	20	8	16	9	190
Signal group 7	20	5	19	12	244
Signal group 10	2	6	9	7	15

Friday, 21 July 2023, 7:45:00 AM NZST to Friday, 21 July 2023, 8:00:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	18	10	146	29	538
D phase	15	14	18	14	224
E phase	1	14	14	14	14
F phase	8	10	16	12	97
Actual cycle	18	23	160	47	861
Signal group 1	16	5	141	29	479
Signal group 2	17	9	141	28	485
Signal group 3	4	5	7	6	24
Signal group 4	7	0	11	5	40
Signal group 5	15	8	13	8	133
Signal group 6	1	9	9	9	9
Signal group 7	15	5	13	10	151
Signal group 8	1	14	14	14	14
Signal group 10	5	5	9	6	33

Friday, 21 July 2023, 8:00:00 AM NZST to Friday, 21 July 2023, 8:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	16	15	95	34	557
D phase	17	14	21	15	264
E phase	2	11	12	11	23
F phase	2	11	11	11	22
Actual cycle	16	29	114	52	840
Signal group 1	16	10	91	30	490
Signal group 2	16	10	91	30	490
Signal group 3	1	5	5	5	5
Signal group 4	2	0	5	2	5
Signal group 5	17	8	15	9	161
Signal group 6	2	5	6	5	11
Signal group 7	17	6	17	11	194
Signal group 8	2	11	12	11	23
Signal group 10	3	5	6	5	16

Friday, 21 July 2023, 8:15:00 AM NZST to Friday, 21 July 2023, 8:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	18	11	81	30	547
D phase	15	14	25	16	251
F phase	6	11	25	14	84
Actual cycle	17	23	117	50	853
Signal group 1	18	5	76	25	457
Signal group 2	15	10	80	37	556
Signal group 4	7	0	19	7	51
Signal group 5	15	8	19	10	163
Signal group 7	15	5	17	12	187

Friday, 21 July 2023, 8:30:00 AM NZST to Friday, 21 July 2023, 8:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	17	15	60	30	525
D phase	17	14	22	16	272
F phase	5	11	17	13	65
Nominal cycle length	8	60	72	64	515
Active cycle length	8	60	72	64	515
Actual cycle	17	30	74	50	851
Signal group 1	18	10	55	27	491
Signal group 2	17	10	55	27	470
Signal group 3	3	5	6	5	16
Signal group 4	4	0	11	6	25
Signal group 5	17	8	16	9	168
Signal group 7	17	6	19	12	209
Signal group 10	3	5	6	5	16

Friday, 21 July 2023, 8:45:00 AM NZST to Friday, 21 July 2023, 9:00:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	16	12	80	34	555
D phase	15	14	22	16	246
E phase	2	12	26	19	38
F phase	4	11	12	11	46

Nominal cycle length	8	60	74	65	525
Active cycle length	8	60	74	65	525
Actual cycle	16	27	126	54	873
Signal group 1	16	7	75	29	473
Signal group 2	14	8	86	36	506
Signal group 4	5	0	6	4	24
Signal group 5	15	8	17	10	156
Signal group 6	2	6	20	13	26
Signal group 7	15	6	18	12	184
Signal group 8	2	12	26	19	38
Signal group 10	1	6	6	6	6
Signal group 11	1	6	6	6	6
Signal group 14	1	6	6	6	6
Signal group 17	1	6	6	6	6
Signal group 20	1	6	6	6	6

Friday, 21 July 2023, 9:00:00 AM NZST to Friday, 21 July 2023, 9:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	18	10	56	27	498
D phase	14	14	17	15	211
E phase	1	13	13	13	13
F phase	10	11	14	11	117
Nominal cycle length	3	60	72	65	197
Active cycle length	3	60	72	65	197
Actual cycle	18	26	75	45	824
Signal group 1	18	5	51	22	410
Signal group 2	13	14	114	41	540
Signal group 4	11	0	9	5	62
Signal group 5	14	8	11	9	127
Signal group 6	1	7	7	7	7
Signal group 7	14	5	13	9	132
Signal group 8	1	13	13	13	13
Signal group 10	1	7	7	7	7

Friday, 21 July 2023, 9:15:00 AM NZST to Friday, 21 July 2023, 9:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	14	14	182	42	600
D phase	10	14	18	14	146
E phase	2	12	14	13	26
F phase	5	10	15	12	60
Actual cycle	14	29	196	58	818
Signal group 1	13	9	177	42	546
Signal group 2	11	14	211	53	593
Signal group 3	1	7	7	7	7
Signal group 4	5	0	9	5	27
Signal group 5	10	8	12	8	88
Signal group 6	2	6	8	7	14
Signal group 7	10	6	15	11	110
Signal group 8	2	11	12	11	23
Signal group 10	3	6	8	7	21

Friday, 21 July 2023, 9:30:00 AM NZST to Friday, 21 July 2023, 9:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	17	13	122	31	535
D phase	11	14	17	15	165
F phase	7	11	14	11	80
Actual cycle	17	24	133	45	769
Signal group 1	17	8	117	33	574
Signal group 2	13	11	177	46	608
Signal group 3	2	6	9	7	15
Signal group 4	7	0	6	4	33
Signal group 5	11	8	11	9	99
Signal group 7	11	11	14	12	133
Signal group 10	2	6	9	7	15

Friday, 21 July 2023, 9:45:00 AM NZST to Friday, 21 July 2023, 10:00:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	21	10	42	24	522
D phase	14	14	18	14	203
E phase	4	12	15	13	54
F phase	9	11	14	12	111
Nominal cycle length	5	60	67	63	317
Active cycle length	5	60	67	63	317
Actual cycle	21	22	62	41	876
Signal group 1	17	6	68	30	516
Signal group 2	19	5	57	23	448
Signal group 3	7	5	8	7	49
Signal group 4	4	0	6	4	16
Signal group 5	14	8	12	8	118
Signal group 6	4	6	9	7	30
Signal group 7	14	5	15	10	147
Signal group 8	4	6	12	9	36
Signal group 10	9	6	20	10	91

Friday, 21 July 2023, 10:00:00 AM NZST to Friday, 21 July 2023, 10:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	17	15	83	29	506
D phase	14	14	20	15	218
E phase	3	11	14	12	37
F phase	9	11	14	12	110
Actual cycle	17	32	95	50	855
Signal group 1	15	10	128	33	495
Signal group 2	16	10	79	29	464
Signal group 3	6	5	9	6	39
Signal group 4	5	0	9	5	25
Signal group 5	14	8	14	9	134
Signal group 6	3	5	9	6	20
Signal group 7	14	6	17	10	145
Signal group 8	3	11	12	11	34
Signal group 10	9	5	9	6	59
Signal group 11	1	6	6	6	6
Signal group 20	1	6	6	6	6

Friday, 21 July 2023, 10:15:00 AM NZST to Friday, 21 July 2023, 10:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	18	10	86	29	529
D phase	12	14	19	15	182
E phase	2	12	42	27	54
F phase	8	11	16	12	99
Actual cycle	18	22	101	46	838
Signal group 1	17	5	81	26	458
Signal group 2	13	14	97	42	549
Signal group 3	1	8	8	8	8
Signal group 4	8	0	10	5	47
Signal group 5	12	8	13	9	110
Signal group 6	2	6	42	24	48
Signal group 7	12	5	16	10	126
Signal group 8	2	12	39	25	51
Signal group 10	3	6	42	18	56

Friday, 21 July 2023, 10:30:00 AM NZST to Friday, 21 July 2023, 10:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	18	11	71	29	539
D phase	14	14	20	15	210
E phase	1	14	14	14	14
F phase	7	11	13	12	84
Actual cycle	17	23	98	46	784
Signal group 1	16	9	66	32	518
Signal group 2	17	7	66	28	480
Signal group 3	5	6	8	6	32
Signal group 4	3	0	8	4	14
Signal group 5	14	8	14	9	127
Signal group 6	1	8	8	8	8
Signal group 7	14	11	14	11	161
Signal group 8	1	11	11	11	11
Signal group 10	6	6	8	6	40

Friday, 21 July 2023, 10:45:00 AM NZST to Friday, 21 July 2023, 11:00:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	17	11	95	33	567
D phase	13	14	24	15	201
E phase	1	14	14	14	14
F phase	8	11	19	13	106
Actual cycle	17	25	109	52	888
Signal group 1	18	5	90	27	499
Signal group 2	14	10	106	42	592
Signal group 3	1	5	5	5	5
Signal group 4	8	0	13	6	54
Signal group 5	13	8	18	9	125
Signal group 6	1	8	8	8	8
Signal group 7	13	5	21	10	138
Signal group 8	1	11	11	11	11
Signal group 10	2	5	8	6	13
Signal group 11	1	6	6	6	6
Signal group 20	1	6	6	6	6

Friday, 21 July 2023, 11:00:00 AM NZST to Friday, 21 July 2023, 11:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	18	12	75	30	540
D phase	15	14	17	14	219
E phase	2	13	14	13	27
F phase	8	10	14	11	95
Actual cycle	18	26	90	48	871
Signal group 1	17	7	70	28	481
Signal group 2	16	8	74	31	501
Signal group 3	2	6	8	7	14
Signal group 4	7	0	9	5	40
Signal group 5	15	8	11	8	128
Signal group 6	2	7	8	7	15
Signal group 7	15	5	14	9	148
Signal group 8	2	11	13	12	24
Signal group 10	4	6	8	7	29

Friday, 21 July 2023, 11:15:00 AM NZST to Friday, 21 July 2023, 11:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	20	10	50	26	534
D phase	15	14	17	14	220
E phase	1	12	12	12	12
F phase	8	11	17	12	99
Actual cycle	20	23	65	42	853
Signal group 1	17	5	92	27	463
Signal group 2	17	6	110	29	500
Signal group 3	4	5	7	6	26
Signal group 4	5	0	12	5	29
Signal group 5	15	8	11	8	131
Signal group 6	1	6	6	6	6
Signal group 7	15	6	14	10	164
Signal group 8	1	12	12	12	12
Signal group 10	5	5	7	6	32

Friday, 21 July 2023, 11:30:00 AM NZST to Friday, 21 July 2023, 11:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	14	15	107	38	545
D phase	11	14	18	15	166
E phase	1	12	12	12	12
F phase	9	11	15	11	106
Actual cycle	14	29	118	58	818
Signal group 1	13	16	102	38	498
Signal group 2	12	10	237	45	543
Signal group 3	3	5	9	6	20
Signal group 4	7	0	7	5	36
Signal group 5	11	8	12	9	100
Signal group 6	1	6	6	6	6
Signal group 7	11	5	13	9	103
Signal group 8	1	12	12	12	12
Signal group 10	4	5	9	6	26

Friday, 21 July 2023, 11:45:00 AM NZST to Friday, 21 July 2023, 12:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	15	10	64	28	425
D phase	13	14	17	14	194
E phase	2	12	12	12	24
F phase	9	10	16	11	104
Actual cycle	15	24	90	49	736
Signal group 1	13	19	59	30	397
Signal group 2	14	5	59	27	390
Signal group 3	3	5	10	6	20
Signal group 4	7	0	7	5	35
Signal group 5	13	8	11	8	116
Signal group 6	2	6	6	6	12
Signal group 7	13	5	12	8	115
Signal group 8	2	12	12	12	24
Signal group 10	5	5	10	6	32

Friday, 21 July 2023, 12:00:00 PM NZST to Friday, 21 July 2023, 12:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	18	13	42	28	504
D phase	15	14	16	14	219
E phase	4	12	12	12	48
F phase	5	12	19	15	76
Nominal cycle length	2	60	62	61	122
Active cycle length	2	60	62	61	122
Actual cycle	17	27	69	46	797
Signal group 1	17	8	76	25	439
Signal group 2	16	8	108	30	481
Signal group 3	1	13	13	13	13
Signal group 4	5	0	12	7	35
Signal group 5	15	8	10	8	129
Signal group 6	4	6	6	6	24
Signal group 7	15	5	12	9	136
Signal group 8	4	12	12	12	48
Signal group 10	5	6	13	7	37

Friday, 21 July 2023, 12:15:00 PM NZST to Friday, 21 July 2023, 12:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	19	11	68	28	549
D phase	10	14	16	14	145
E phase	3	12	14	13	40
F phase	11	11	18	12	140
Nominal cycle length	2	60	62	61	122
Active cycle length	2	60	62	61	122
Actual cycle	19	22	80	46	874
Signal group 1	15	15	77	31	478
Signal group 2	16	6	97	33	537
Signal group 3	6	5	8	6	37
Signal group 4	7	0	12	6	44
Signal group 5	10	8	10	8	86
Signal group 6	3	6	8	7	22
Signal group 7	10	5	12	9	96
Signal group 8	3	11	12	11	34
Signal group 10	9	5	8	6	59

Friday, 21 July 2023, 12:30:00 PM NZST to Friday, 21 July 2023, 12:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	20	10	47	24	497
D phase	15	14	16	14	218
E phase	1	15	15	15	15
F phase	7	10	12	11	79
Actual cycle	20	21	58	39	795
Signal group 1	21	5	67	22	464
Signal group 2	16	10	77	35	569
Signal group 4	8	0	7	5	40
Signal group 5	15	8	11	8	128
Signal group 6	1	9	9	9	9
Signal group 7	15	5	12	10	161
Signal group 8	1	12	12	12	12
Signal group 10	1	9	9	9	9

Friday, 21 July 2023, 12:45:00 PM NZST to Friday, 21 July 2023, 1:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	20	10	65	24	480
D phase	13	14	20	15	202
E phase	2	11	12	11	23
F phase	12	11	14	11	141
Actual cycle	20	24	76	41	832
Signal group 1	18	5	75	24	437
Signal group 2	15	6	84	31	476
Signal group 3	6	5	9	6	37
Signal group 4	8	0	8	5	43
Signal group 5	13	8	14	9	121
Signal group 6	2	5	6	5	11
Signal group 7	13	5	17	11	144
Signal group 8	2	11	12	11	23
Signal group 10	8	5	9	6	48

Friday, 21 July 2023, 1:00:00 PM NZST to Friday, 21 July 2023, 1:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	19	11	62	27	514
D phase	12	14	17	14	179
E phase	3	11	13	12	36
F phase	11	11	16	12	141
Actual cycle	19	25	74	44	853
Signal group 1	17	7	97	27	471
Signal group 2	13	6	89	37	491
Signal group 3	4	6	8	6	27
Signal group 4	9	0	11	6	58
Signal group 5	12	8	11	9	108
Signal group 6	3	5	7	6	19
Signal group 7	12	5	14	9	111
Signal group 8	3	11	13	12	36
Signal group 10	7	5	8	6	46

Friday, 21 July 2023, 1:15:00 PM NZST to Friday, 21 July 2023, 1:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	17	11	104	32	557
D phase	14	14	18	15	210
E phase	2	12	12	12	24
F phase	7	11	17	12	86
Actual cycle	17	25	132	50	863
Signal group 1	16	7	100	31	502
Signal group 2	15	6	100	35	534
Signal group 3	3	5	8	6	19
Signal group 4	6	0	12	5	35
Signal group 5	14	8	12	9	126
Signal group 6	2	6	6	6	12
Signal group 7	14	5	15	10	143
Signal group 8	2	12	12	12	24
Signal group 10	5	5	8	6	31

Friday, 21 July 2023, 1:30:00 PM NZST to Friday, 21 July 2023, 1:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	19	14	61	30	573
D phase	13	14	17	14	194
E phase	1	12	12	12	12
F phase	9	11	16	12	112
Actual cycle	19	28	76	46	891
Signal group 1	17	11	80	29	495
Signal group 2	13	9	87	39	514
Signal group 3	2	6	6	6	12
Signal group 4	8	0	11	6	51
Signal group 5	13	8	11	8	116
Signal group 6	1	6	6	6	6
Signal group 7	13	5	12	10	134
Signal group 8	1	12	12	12	12
Signal group 10	3	6	6	6	18

Friday, 21 July 2023, 1:45:00 PM NZST to Friday, 21 July 2023, 2:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	13	15	140	50	650
D phase	10	14	18	14	148
E phase	1	12	12	12	12
F phase	6	11	14	11	71
Actual cycle	12	29	168	62	750
Signal group 1	11	9	135	56	617
Signal group 2	12	9	135	51	613
Signal group 3	4	6	7	6	25
Signal group 4	5	0	8	5	28
Signal group 5	10	8	12	8	88
Signal group 6	1	6	6	6	6
Signal group 7	10	6	12	10	101
Signal group 8	1	6	6	6	6
Signal group 10	4	6	18	9	37

Friday, 21 July 2023, 2:00:00 PM NZST to Friday, 21 July 2023, 2:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total

A phase	20	10	53	25	510
D phase	15	14	20	15	233
E phase	1	14	14	14	14
F phase	10	10	16	12	126
Actual cycle	20	21	71	44	883
Signal group 1	19	5	63	23	451
Signal group 2	17	6	71	29	497
Signal group 3	3	5	8	6	20
Signal group 4	8	0	10	6	50
Signal group 5	15	8	15	9	144
Signal group 6	1	8	8	8	8
Signal group 7	15	5	17	11	166
Signal group 8	1	11	11	11	11
Signal group 10	4	5	8	7	28

Friday, 21 July 2023, 2:15:00 PM NZST to Friday, 21 July 2023, 2:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	18	11	109	27	500
D phase	14	14	18	14	206
E phase	1	12	12	12	12
F phase	8	11	20	14	113
Actual cycle	18	22	123	45	817
Signal group 1	16	7	104	30	491
Signal group 2	17	6	107	28	476
Signal group 3	5	5	14	7	39
Signal group 4	5	0	10	7	35
Signal group 5	14	8	12	8	123
Signal group 6	1	6	6	6	6
Signal group 7	14	5	15	10	146
Signal group 8	1	12	12	12	12
Signal group 10	6	5	14	7	45

Friday, 21 July 2023, 2:30:00 PM NZST to Friday, 21 July 2023, 2:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	18	11	59	27	486
D phase	16	14	21	15	240
F phase	12	11	17	12	151
Actual cycle	18	25	76	47	852
Signal group 1	17	6	56	25	434
Signal group 2	17	10	88	27	474
Signal group 3	6	6	7	6	40
Signal group 4	10	0	11	6	61
Signal group 5	16	8	15	9	144
Signal group 7	16	5	18	9	154
Signal group 10	6	6	7	6	40

Friday, 21 July 2023, 2:45:00 PM NZST to Friday, 21 July 2023, 3:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	17	11	73	29	504
D phase	14	14	21	15	211
E phase	4	11	14	12	50
F phase	8	11	18	13	107

Actual cycle	17	25	102	50	854
Signal group 1	17	5	69	24	419
Signal group 2	14	5	91	32	450
Signal group 3	1	7	7	7	7
Signal group 4	9	0	12	7	63
Signal group 5	14	8	15	9	127
Signal group 6	4	5	8	6	26
Signal group 7	14	5	12	8	121
Signal group 8	4	11	13	12	48
Signal group 10	5	5	8	6	33
Signal group 11	1	7	7	7	7
Signal group 20	1	7	7	7	7
Pedestrian movement 1	1	2	2	2	2

Friday, 21 July 2023, 3:00:00 PM NZST to Friday, 21 July 2023, 3:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	14	19	64	37	521
D phase	12	14	25	16	193
E phase	3	12	26	16	50
F phase	9	11	14	12	114
Nominal cycle length	6	62	88	77	463
Active cycle length	6	62	88	77	463
Actual cycle	13	38	93	64	841
Signal group 1	12	14	60	36	435
Signal group 2	13	18	72	36	480
Signal group 3	3	6	8	6	20
Signal group 4	8	0	8	5	43
Signal group 5	13	8	21	10	140
Signal group 6	3	6	20	10	32
Signal group 7	13	5	22	10	130
Signal group 8	3	12	26	16	50
Signal group 10	5	6	8	6	32
Signal group 11	3	6	6	6	18
Signal group 14	1	6	6	6	6
Signal group 17	1	6	6	6	6
Signal group 20	3	6	6	6	18
Pedestrian movement 1	2	53	76	64	129

Friday, 21 July 2023, 3:15:00 PM NZST to Friday, 21 July 2023, 3:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	13	24	49	37	487
D phase	11	14	35	17	188
E phase	5	11	26	15	75
F phase	10	11	20	14	140
Nominal cycle length	11	60	102	80	885
Active cycle length	11	60	102	80	885
Actual cycle	13	37	102	66	866
Signal group 1	13	19	57	33	434
Signal group 2	12	32	56	42	515
Signal group 3	4	7	8	7	29
Signal group 4	10	0	15	7	79
Signal group 5	11	8	29	11	121
Signal group 6	5	5	20	9	45

Signal group 7	11	5	26	10	113
Signal group 8	5	5	26	12	60
Signal group 10	6	5	19	11	66
Signal group 11	1	6	6	6	6
Signal group 14	1	6	6	6	6
Signal group 17	1	6	6	6	6
Signal group 20	1	6	6	6	6

Friday, 21 July 2023, 3:30:00 PM NZST to Friday, 21 July 2023, 3:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	17	11	46	27	471
D phase	9	14	19	15	139
E phase	2	12	15	13	27
F phase	14	11	15	12	176
Nominal cycle length	7	60	75	66	464
Active cycle length	7	60	75	66	464
Actual cycle	17	22	71	46	785
Signal group 1	16	10	76	29	478
Signal group 2	13	17	105	44	578
Signal group 3	4	6	8	7	28
Signal group 4	12	0	9	6	77
Signal group 5	9	8	13	9	86
Signal group 6	2	7	9	8	16
Signal group 7	9	5	14	9	83
Signal group 8	2	12	12	12	24
Signal group 10	6	6	9	7	44

Friday, 21 July 2023, 3:45:00 PM NZST to Friday, 21 July 2023, 4:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	19	10	94	29	566
D phase	12	14	26	15	187
F phase	11	11	16	12	135
Actual cycle	18	25	108	47	850
Signal group 1	18	5	89	27	496
Signal group 2	12	16	130	49	594
Signal group 3	3	5	6	5	17
Signal group 4	11	0	9	6	68
Signal group 5	12	8	20	9	115
Signal group 7	12	5	23	11	134
Signal group 10	3	5	6	5	17
Signal group 11	1	6	6	6	6
Signal group 13	1	6	6	6	6
Signal group 18	1	6	6	6	6
Signal group 20	1	6	6	6	6

Friday, 21 July 2023, 4:00:00 PM NZST to Friday, 21 July 2023, 4:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	18	16	42	29	525
D phase	13	14	19	15	198
E phase	1	12	12	12	12
F phase	12	11	16	12	155
Nominal cycle length	2	60	62	61	122

Active cycle length	2	60	62	61	122
Actual cycle	17	29	69	50	859
Signal group 1	17	10	52	26	450
Signal group 2	14	12	93	39	557
Signal group 3	2	5	6	5	11
Signal group 4	12	0	11	7	85
Signal group 5	14	8	14	9	130
Signal group 6	1	6	6	6	6
Signal group 7	13	5	16	8	112
Signal group 8	1	12	12	12	12
Signal group 10	3	5	6	5	17
Signal group 11	1	6	6	6	6
Signal group 20	1	6	6	6	6

Friday, 21 July 2023, 4:15:00 PM NZST to Friday, 21 July 2023, 4:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	17	17	38	28	480
D phase	14	14	22	16	232
E phase	2	11	27	19	38
F phase	10	11	15	12	129
Nominal cycle length	6	60	76	68	408
Active cycle length	6	60	76	68	408
Actual cycle	17	31	76	51	879
Signal group 1	16	11	68	25	414
Signal group 2	15	17	50	33	496
Signal group 3	2	6	8	7	14
Signal group 4	10	0	9	6	67
Signal group 5	14	8	16	10	146
Signal group 6	2	5	20	12	25
Signal group 7	14	5	18	9	137
Signal group 8	2	11	27	19	38
Signal group 10	3	5	8	6	19
Signal group 11	1	6	6	6	6
Signal group 14	1	6	6	6	6
Signal group 17	1	6	6	6	6
Signal group 20	1	6	6	6	6

Friday, 21 July 2023, 4:30:00 PM NZST to Friday, 21 July 2023, 4:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	19	15	64	27	521
D phase	13	14	17	14	191
E phase	2	11	11	11	22
F phase	12	10	18	12	152
Actual cycle	18	28	75	46	834
Signal group 1	17	13	90	28	477
Signal group 2	16	10	75	31	498
Signal group 3	6	5	10	6	41
Signal group 4	10	0	13	6	61
Signal group 5	13	8	11	8	115
Signal group 6	2	5	6	5	11
Signal group 7	13	5	13	9	122
Signal group 8	2	11	11	11	22
Signal group 10	8	5	10	6	52

Signal group 11	1	6	6	6	6
Signal group 20	1	6	6	6	6

Friday, 21 July 2023, 4:45:00 PM NZST to Friday, 21 July 2023, 5:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	18	12	69	29	538
D phase	15	14	18	15	226
E phase	1	12	12	12	12
F phase	8	11	18	13	105
Nominal cycle length	6	60	70	65	390
Active cycle length	6	60	70	65	390
Actual cycle	18	26	95	48	881
Signal group 1	17	7	65	27	469
Signal group 2	15	7	77	34	518
Signal group 3	1	8	8	8	8
Signal group 4	8	0	12	6	54
Signal group 5	15	8	12	9	136
Signal group 6	1	6	6	6	6
Signal group 7	15	5	15	9	142
Signal group 8	1	12	12	12	12
Signal group 10	2	6	8	7	14

Friday, 21 July 2023, 5:00:00 PM NZST to Friday, 21 July 2023, 5:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	18	14	46	26	472
D phase	14	14	22	15	219
E phase	1	14	14	14	14
F phase	14	10	20	12	181
Actual cycle	17	30	73	48	825
Signal group 1	18	9	41	21	382
Signal group 2	15	9	54	30	458
Signal group 3	2	5	9	7	14
Signal group 4	15	0	14	6	103
Signal group 5	14	8	16	9	134
Signal group 6	1	8	8	8	8
Signal group 7	14	5	13	8	117
Signal group 8	1	11	11	11	11
Signal group 10	3	5	9	7	22

Friday, 21 July 2023, 5:15:00 PM NZST to Friday, 21 July 2023, 5:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	19	10	64	28	541
D phase	13	14	17	14	192
E phase	1	26	26	26	26
F phase	9	11	23	14	126
Actual cycle	19	21	76	46	885
Signal group 1	19	5	60	23	446
Signal group 2	13	21	105	41	545
Signal group 3	1	6	6	6	6
Signal group 4	10	0	18	7	78
Signal group 5	13	8	11	8	115
Signal group 6	1	20	20	20	20

Signal group 7	13	5	14	10	130
Signal group 8	1	23	23	23	23
Signal group 10	1	6	6	6	6
Signal group 14	1	6	6	6	6
Signal group 17	1	6	6	6	6

Friday, 21 July 2023, 5:30:00 PM NZST to Friday, 21 July 2023, 5:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	18	16	42	28	507
D phase	14	14	16	14	204
F phase	12	11	17	13	158
Nominal cycle length	2	62	66	64	128
Active cycle length	2	62	66	64	128
Actual cycle	17	28	62	49	834
Signal group 1	17	11	70	25	436
Signal group 2	15	19	54	36	550
Signal group 3	1	6	6	6	6
Signal group 4	12	0	12	7	88
Signal group 5	14	8	10	8	120
Signal group 7	14	5	12	7	110
Signal group 10	1	6	6	6	6
Signal group 11	1	6	6	6	6
Signal group 20	1	6	6	6	6

Friday, 21 July 2023, 5:45:00 PM NZST to Friday, 21 July 2023, 6:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	18	14	83	27	491
D phase	13	14	20	15	205
E phase	1	26	26	26	26
F phase	11	11	19	13	150
Nominal cycle length	3	60	64	62	186
Active cycle length	3	60	64	62	186
Actual cycle	18	30	110	46	833
Signal group 1	18	9	78	22	413
Signal group 2	14	13	89	39	546
Signal group 3	2	7	7	7	14
Signal group 4	11	0	14	7	82
Signal group 5	13	8	13	9	126
Signal group 6	1	20	20	20	20
Signal group 7	13	6	14	10	141
Signal group 8	1	26	26	26	26
Signal group 10	2	7	7	7	14
Signal group 14	1	6	6	6	6
Signal group 17	1	6	6	6	6

Friday, 21 July 2023, 6:00:00 PM NZST to Friday, 21 July 2023, 6:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	16	17	85	37	597
D phase	13	14	15	14	186
F phase	7	11	18	13	91
Actual cycle	16	29	97	52	847
Signal group 1	16	12	80	32	517

Signal group 2	12	12	76	41	502
Signal group 4	8	0	13	6	53
Signal group 5	13	8	9	8	108
Signal group 7	13	6	12	10	130

Friday, 21 July 2023, 6:15:00 PM NZST to Friday, 21 July 2023, 6:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	20	10	63	25	519
D phase	16	14	18	14	238
F phase	10	11	18	12	122
Actual cycle	19	24	90	43	835
Signal group 1	20	5	58	21	420
Signal group 2	17	9	83	32	546
Signal group 3	1	5	5	5	5
Signal group 4	11	0	12	6	67
Signal group 5	16	8	12	8	142
Signal group 7	16	5	15	9	153
Signal group 10	1	5	5	5	5
Signal group 11	1	7	7	7	7
Signal group 20	1	7	7	7	7

Friday, 21 July 2023, 6:30:00 PM NZST to Friday, 21 July 2023, 6:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	19	13	54	27	515
D phase	14	14	16	14	204
E phase	1	12	12	12	12
F phase	9	10	14	12	108
Nominal cycle length	5	60	63	61	307
Active cycle length	5	60	63	61	307
Actual cycle	19	27	66	44	839
Signal group 1	20	8	54	23	474
Signal group 2	15	17	85	40	606
Signal group 4	10	0	8	5	58
Signal group 5	14	8	10	8	122
Signal group 6	1	6	6	6	6
Signal group 7	14	5	13	9	134
Signal group 8	1	12	12	12	12
Signal group 10	1	6	6	6	6

Friday, 21 July 2023, 6:45:00 PM NZST to Friday, 21 July 2023, 7:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	13	18	79	42	555
D phase	12	14	16	14	174
F phase	5	11	15	12	63
Actual cycle	13	33	93	59	778
Signal group 1	13	13	74	37	489
Signal group 2	11	13	104	51	562
Signal group 4	6	0	10	6	37
Signal group 5	12	8	10	8	103
Signal group 7	12	6	13	10	122

Friday, 21 July 2023, 7:00:00 PM NZST to Friday, 21 July 2023, 7:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	21	10	68	25	540
D phase	17	14	18	14	249
F phase	8	11	12	11	90
Actual cycle	20	25	79	41	831
Signal group 1	21	6	63	20	437
Signal group 2	16	8	102	34	551
Signal group 4	10	0	7	5	52
Signal group 5	17	8	12	8	148
Signal group 7	17	5	13	10	172

Friday, 21 July 2023, 7:15:00 PM NZST to Friday, 21 July 2023, 7:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	14	11	124	47	664
D phase	12	14	15	14	171
F phase	3	11	13	11	35
Actual cycle	14	25	135	62	870
Signal group 1	14	5	119	42	595
Signal group 2	11	14	140	57	633
Signal group 4	4	0	8	4	19
Signal group 5	12	8	9	8	100
Signal group 7	12	6	12	10	123
Signal group 11	1	7	7	7	7
Signal group 20	1	7	7	7	7
Pedestrian movement 1	1	2	2	2	2

Friday, 21 July 2023, 7:30:00 PM NZST to Friday, 21 July 2023, 7:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	16	12	109	38	619
D phase	9	14	17	14	132
F phase	9	10	16	11	105
Actual cycle	16	27	123	52	845
Signal group 1	15	8	104	37	558
Signal group 2	10	8	117	50	503
Signal group 3	2	5	7	6	12
Signal group 4	9	0	10	5	47
Signal group 5	9	8	11	8	78
Signal group 7	9	5	14	10	97
Signal group 10	2	5	7	6	12

Friday, 21 July 2023, 7:45:00 PM NZST to Friday, 21 July 2023, 8:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	11	10	194	60	667
D phase	6	14	17	14	87
F phase	6	11	19	14	85
Actual cycle	10	26	206	73	732
Signal group 1	11	5	190	55	614
Signal group 2	6	35	243	120	722
Signal group 4	7	0	14	7	53
Signal group 5	6	8	11	8	51
Signal group 7	6	8	11	10	63

Friday, 21 July 2023, 8:00:00 PM NZST to Friday, 21 July 2023, 8:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	15	14	128	39	586
D phase	10	14	17	14	145
F phase	9	12	17	13	117
Actual cycle	15	28	140	56	848
Signal group 1	14	9	124	38	532
Signal group 2	11	9	229	56	625
Signal group 3	1	8	8	8	8
Signal group 4	9	0	12	6	60
Signal group 5	10	8	11	8	86
Signal group 7	10	5	14	9	91
Signal group 10	1	8	8	8	8

Friday, 21 July 2023, 8:15:00 PM NZST to Friday, 21 July 2023, 8:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	15	11	128	43	659
D phase	8	14	16	14	115
F phase	8	11	13	11	93
Actual cycle	15	23	142	57	856
Signal group 1	15	6	123	39	585
Signal group 2	7	10	226	64	453
Signal group 4	9	0	8	5	51
Signal group 5	8	8	9	8	67
Signal group 7	8	11	12	11	90

Friday, 21 July 2023, 8:30:00 PM NZST to Friday, 21 July 2023, 8:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	9	11	145	73	664
D phase	6	14	20	15	90
F phase	5	11	15	12	62
Actual cycle	9	23	169	89	802
Signal group 1	9	6	140	68	619
Signal group 2	5	6	140	84	422
Signal group 4	6	0	9	5	34
Signal group 5	6	8	14	9	54
Signal group 7	6	11	11	11	66

Friday, 21 July 2023, 8:45:00 PM NZST to Friday, 21 July 2023, 9:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	14	11	110	44	620
D phase	8	14	15	14	113
F phase	7	11	13	11	82
Actual cycle	14	25	124	57	801
Signal group 1	14	5	105	39	550
Signal group 2	7	19	158	95	667
Signal group 4	8	0	8	5	45
Signal group 5	8	8	9	8	65
Signal group 7	8	11	12	11	89

Friday, 21 July 2023, 9:00:00 PM NZST to Friday, 21 July 2023, 9:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	11	12	137	49	548
D phase	5	14	15	14	71
F phase	7	11	15	11	82
Actual cycle	11	23	148	62	686
Signal group 1	11	7	132	44	494
Signal group 2	4	20	318	145	581
Signal group 4	8	0	9	5	40
Signal group 5	5	8	9	8	41
Signal group 7	5	11	11	11	55

Friday, 21 July 2023, 9:15:00 PM NZST to Friday, 21 July 2023, 9:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	7	15	323	101	712
D phase	5	14	15	14	71
F phase	4	11	15	12	48
Actual cycle	7	29	348	117	820
Signal group 1	7	10	318	96	678
Signal group 2	4	21	318	177	708
Signal group 4	5	0	9	5	25
Signal group 5	5	8	9	8	41
Signal group 7	5	5	11	9	49

Friday, 21 July 2023, 9:30:00 PM NZST to Friday, 21 July 2023, 9:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	9	10	200	75	681
D phase	4	14	18	15	62
F phase	6	11	12	11	68
Actual cycle	9	24	214	88	796
Signal group 1	9	5	195	70	637
Signal group 2	3	56	431	244	734
Signal group 4	7	0	6	4	33
Signal group 5	4	8	12	9	38
Signal group 7	4	11	15	12	50

Friday, 21 July 2023, 9:45:00 PM NZST to Friday, 21 July 2023, 10:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	12	10	110	47	564
D phase	9	14	18	14	132
F phase	4	11	15	12	49
Actual cycle	12	28	124	60	730
Signal group 1	12	5	105	42	504
Signal group 2	8	27	151	67	542
Signal group 4	5	0	10	5	28
Signal group 5	9	8	12	8	78
Signal group 7	9	11	15	11	105

Friday, 21 July 2023, 10:00:00 PM NZST to Friday, 21 July 2023, 10:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	5	10	293	124	624

D phase	4	14	15	14	57
F phase	2	11	12	11	23
Actual cycle	5	22	308	138	690
Signal group 1	5	5	289	120	600
Signal group 2	3	34	458	211	633
Signal group 4	3	0	7	4	13
Signal group 5	4	8	9	8	33
Signal group 7	4	11	11	11	44

Friday, 21 July 2023, 10:15:00 PM NZST to Friday, 21 July 2023, 10:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	6	10	210	82	496
D phase	2	14	15	14	29
F phase	5	11	18	12	64
Actual cycle	6	22	225	96	578
Signal group 1	6	5	206	77	467
Signal group 2	1	118	118	118	118
Signal group 4	6	0	12	6	37
Signal group 5	2	8	9	8	17
Signal group 7	2	11	11	11	22

Friday, 21 July 2023, 10:30:00 PM NZST to Friday, 21 July 2023, 10:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	8	10	167	74	599
D phase	6	14	15	14	85
F phase	3	11	12	11	34
Actual cycle	8	22	178	88	704
Signal group 1	7	5	162	82	575
Signal group 2	6	15	187	95	570
Signal group 3	1	6	6	6	6
Signal group 4	3	0	6	3	11
Signal group 5	6	8	9	8	49
Signal group 7	6	11	12	11	67
Signal group 10	1	6	6	6	6

Friday, 21 July 2023, 10:45:00 PM NZST to Friday, 21 July 2023, 11:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	6	11	244	126	759
D phase	1	15	15	15	15
F phase	6	11	12	11	67
Actual cycle	6	24	255	138	830
Signal group 1	6	6	239	121	729
Signal group 4	7	0	6	4	32
Signal group 5	1	9	9	9	9
Signal group 7	1	12	12	12	12

Friday, 21 July 2023, 11:00:00 PM NZST to Friday, 21 July 2023, 11:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	2	269	450	359	719
D phase	2	14	15	14	29
F phase	1	11	11	11	11

Actual cycle	2	280	465	372	745
Signal group 1	2	264	446	355	710
Signal group 2	1	726	726	726	726
Signal group 4	2	0	6	3	6
Signal group 5	2	8	9	8	17
Signal group 7	2	11	11	11	22

Friday, 21 July 2023, 11:15:00 PM NZST to Friday, 21 July 2023, 11:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	3	47	392	216	650
D phase	1	15	15	15	15
F phase	2	11	15	13	26
Actual cycle	2	62	403	232	465
Signal group 1	3	42	387	211	635
Signal group 4	4	0	10	5	20
Signal group 5	1	9	9	9	9
Signal group 7	1	12	12	12	12

Friday, 21 July 2023, 11:30:00 PM NZST to Friday, 21 July 2023, 11:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	4	73	483	204	817
D phase	2	14	14	14	28
F phase	2	11	12	11	23
Actual cycle	4	84	495	217	868
Signal group 1	4	68	479	199	798
Signal group 2	1	91	91	91	91
Signal group 4	3	0	6	3	11
Signal group 5	2	8	8	8	16
Signal group 7	2	11	11	11	22

Friday, 21 July 2023, 11:45:00 PM NZST to Saturday, 22 July 2023, 12:00:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	5	75	173	117	587
D phase	2	14	15	14	29
F phase	3	12	12	12	36
Actual cycle	5	87	187	127	637
Signal group 1	5	70	168	113	568
Signal group 2	2	234	385	309	619
Signal group 4	4	0	7	5	20
Signal group 5	2	8	9	8	17
Signal group 7	2	11	11	11	22

Report: Periodic statistics for site 1637

15 minute intervals

From: Monday, 17 July 2023, 12:00:00 AM NZST

To: Monday, 17 July 2023, 11:59:59 PM NZST

Monday, 17 July 2023, 12:00:00 AM NZST to Monday, 17 July 2023, 12:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
Unknown phase	1	37	37	37	37
Actual cycle	1	37	37	37	37

Monday, 17 July 2023, 12:30:00 AM NZST to Monday, 17 July 2023, 12:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
D phase	1	13	13	13	13
Signal group 5	1	8	8	8	8
Signal group 7	1	9	9	9	9

Monday, 17 July 2023, 1:00:00 AM NZST to Monday, 17 July 2023, 1:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
D phase	1	13	13	13	13
Signal group 5	1	9	9	9	9
Signal group 7	1	9	9	9	9

Monday, 17 July 2023, 1:30:00 AM NZST to Monday, 17 July 2023, 1:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
D phase	1	13	13	13	13
Signal group 5	1	7	7	7	7
Signal group 7	1	10	10	10	10

Monday, 17 July 2023, 2:30:00 AM NZST to Monday, 17 July 2023, 2:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	1	11	11	11	11
D phase	1	13	13	13	13
F phase	1	12	12	12	12
Actual cycle	1	23	23	23	23
Signal group 2	1	6	6	6	6
Signal group 3	1	6	6	6	6
Signal group 5	1	8	8	8	8
Signal group 7	1	9	9	9	9

Monday, 17 July 2023, 2:45:00 AM NZST to Monday, 17 July 2023, 3:00:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	3	11	139	54	162
D phase	4	12	15	13	53
Actual cycle	3	25	151	67	202
Signal group 1	3	5	132	47	143
Signal group 2	3	5	132	47	143
Signal group 5	4	8	10	8	35
Signal group 7	4	9	11	10	40

Monday, 17 July 2023, 3:00:00 AM NZST to Monday, 17 July 2023, 3:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	1	682	682	682	682
D phase	2	13	13	13	26
Actual cycle	1	695	695	695	695
Signal group 1	1	676	676	676	676
Signal group 2	1	676	676	676	676
Signal group 5	2	8	9	8	17
Signal group 7	2	9	10	9	19

Monday, 17 July 2023, 3:15:00 AM NZST to Monday, 17 July 2023, 3:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	1	103	103	103	103
D phase	2	12	13	12	25
Actual cycle	1	116	116	116	116
Signal group 1	1	99	99	99	99
Signal group 2	1	99	99	99	99
Signal group 5	2	7	8	7	15
Signal group 7	2	9	9	9	18

Monday, 17 July 2023, 3:30:00 AM NZST to Monday, 17 July 2023, 3:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	3	11	54	31	94
D phase	4	12	17	14	56
Actual cycle	3	28	67	45	136
Signal group 1	3	5	48	25	76
Signal group 2	3	5	48	25	76
Signal group 5	4	7	13	9	36
Signal group 7	4	10	14	11	44

Monday, 17 July 2023, 3:45:00 AM NZST to Monday, 17 July 2023, 4:00:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	4	12	533	177	708
D phase	4	12	13	12	50
F phase	2	10	11	10	21
Actual cycle	4	22	546	188	755
Signal group 1	3	24	550	233	700
Signal group 2	4	5	528	173	694
Signal group 3	1	5	5	5	5
Signal group 4	1	6	6	6	6
Signal group 5	4	7	9	8	32
Signal group 7	4	5	10	8	33

Monday, 17 July 2023, 4:00:00 AM NZST to Monday, 17 July 2023, 4:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	1	215	215	215	215
D phase	2	14	18	16	32
Actual cycle	1	229	229	229	229
Signal group 1	1	209	209	209	209
Signal group 2	1	209	209	209	209

Signal group 5	2	9	13	11	22
Signal group 7	2	10	14	12	24

Monday, 17 July 2023, 4:15:00 AM NZST to Monday, 17 July 2023, 4:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	1	604	604	604	604
E phase	1	13	13	13	13
Signal group 1	1	598	598	598	598
Signal group 2	1	598	598	598	598
Signal group 6	1	9	9	9	9
Signal group 8	1	8	8	8	8

Monday, 17 July 2023, 4:30:00 AM NZST to Monday, 17 July 2023, 4:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	2	12	415	213	427
D phase	1	13	13	13	13
F phase	2	10	10	10	20
Actual cycle	2	22	428	225	450
Signal group 1	1	419	419	419	419
Signal group 2	2	6	409	207	415
Signal group 3	2	5	5	5	10
Signal group 5	1	9	9	9	9
Signal group 7	1	10	10	10	10

Monday, 17 July 2023, 4:45:00 AM NZST to Monday, 17 July 2023, 5:00:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
D phase	1	12	12	12	12
F phase	1	11	11	11	11
Signal group 4	1	6	6	6	6
Signal group 5	1	7	7	7	7
Signal group 7	1	5	5	5	5

Monday, 17 July 2023, 5:00:00 AM NZST to Monday, 17 July 2023, 5:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
D phase	1	13	13	13	13
Signal group 5	1	8	8	8	8
Signal group 7	1	9	9	9	9

Monday, 17 July 2023, 5:15:00 AM NZST to Monday, 17 July 2023, 5:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	7	10	499	97	682
D phase	6	13	15	13	83
E phase	1	10	10	10	10
F phase	2	11	11	11	22
Actual cycle	6	21	512	125	754
Signal group 1	5	5	516	127	637
Signal group 2	7	4	495	93	654
Signal group 3	1	6	6	6	6
Signal group 4	1	6	6	6	6
Signal group 5	6	8	10	8	53

Signal group 6	1	5	5	5	5
Signal group 7	6	5	11	9	56
Signal group 8	1	10	10	10	10

Monday, 17 July 2023, 5:30:00 AM NZST to Monday, 17 July 2023, 5:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	8	11	501	93	748
D phase	3	13	14	13	41
E phase	2	11	14	12	25
F phase	6	9	12	10	62
Actual cycle	8	25	511	109	876
Signal group 1	7	5	495	93	655
Signal group 2	4	16	588	167	668
Signal group 4	6	5	7	5	33
Signal group 5	3	8	9	8	25
Signal group 6	2	6	8	7	14
Signal group 7	3	4	6	5	15
Signal group 8	2	10	11	10	21

Monday, 17 July 2023, 5:45:00 AM NZST to Monday, 17 July 2023, 6:00:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	15	12	72	34	512
D phase	10	12	24	14	145
E phase	1	23	23	23	23
F phase	13	10	15	12	163
Actual cycle	14	25	105	57	800
Signal group 1	15	6	67	28	425
Signal group 2	10	26	142	61	617
Signal group 4	13	4	9	7	94
Signal group 5	10	7	18	9	95
Signal group 6	1	18	18	18	18
Signal group 7	10	4	15	6	66
Signal group 8	1	23	23	23	23
Signal group 13	1	7	7	7	7
Signal group 14	1	7	7	7	7
Pedestrian movement 4	1	4	4	4	4

Monday, 17 July 2023, 6:00:00 AM NZST to Monday, 17 July 2023, 6:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	6	43	201	118	710
D phase	4	12	13	12	51
E phase	1	11	11	11	11
F phase	4	10	11	10	42
Actual cycle	6	66	212	135	814
Signal group 1	5	37	269	140	701
Signal group 2	5	37	322	138	691
Signal group 3	2	5	5	5	10
Signal group 4	2	6	7	6	13
Signal group 5	4	7	9	8	32
Signal group 6	1	6	6	6	6
Signal group 7	4	4	10	7	28
Signal group 8	1	11	11	11	11

Monday, 17 July 2023, 6:15:00 AM NZST to Monday, 17 July 2023, 6:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	12	11	150	54	648
D phase	7	13	15	13	96
E phase	2	13	14	13	27
F phase	7	10	14	11	83
Actual cycle	12	22	173	68	827
Signal group 1	12	6	144	49	592
Signal group 2	8	6	231	79	634
Signal group 3	1	4	4	4	4
Signal group 4	6	5	11	7	43
Signal group 5	7	8	12	8	62
Signal group 6	2	8	9	8	17
Signal group 7	7	4	11	9	64
Signal group 8	2	10	11	10	21

Monday, 17 July 2023, 6:30:00 AM NZST to Monday, 17 July 2023, 6:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	8	12	192	89	715
D phase	4	13	14	13	54
E phase	2	12	13	12	25
F phase	5	10	14	11	57
Actual cycle	7	31	203	116	813
Signal group 1	8	6	187	83	669
Signal group 2	5	17	253	148	743
Signal group 4	5	5	9	6	33
Signal group 5	4	8	8	8	32
Signal group 6	2	6	8	7	14
Signal group 7	4	4	10	5	23
Signal group 8	2	10	12	11	22

Monday, 17 July 2023, 6:45:00 AM NZST to Monday, 17 July 2023, 7:00:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	16	11	109	36	577
D phase	11	13	29	15	170
E phase	3	11	14	13	39
F phase	8	10	14	11	92
Actual cycle	16	27	122	54	878
Signal group 1	17	6	105	29	501
Signal group 2	14	10	105	43	612
Signal group 4	8	5	10	6	52
Signal group 5	11	8	23	10	115
Signal group 6	3	6	9	7	23
Signal group 7	11	5	25	9	102
Signal group 8	3	10	11	10	31

Monday, 17 July 2023, 7:00:00 AM NZST to Monday, 17 July 2023, 7:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	13	10	95	46	599
D phase	11	13	15	13	153
E phase	1	28	28	28	28

F phase	9	10	12	11	101
Actual cycle	12	24	122	66	801
Signal group 1	13	4	89	40	521
Signal group 2	12	16	114	50	608
Signal group 3	2	4	5	4	9
Signal group 4	9	4	8	6	56
Signal group 5	12	8	11	8	103
Signal group 6	1	22	22	22	22
Signal group 7	12	4	13	7	84
Signal group 8	1	25	25	25	25
Signal group 13	1	11	11	11	11

Monday, 17 July 2023, 7:15:00 AM NZST to Monday, 17 July 2023, 7:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	16	11	124	32	521
D phase	8	12	29	17	138
E phase	3	12	23	16	49
F phase	12	10	19	13	159
Actual cycle	16	25	137	53	857
Signal group 1	17	5	118	26	450
Signal group 2	10	12	143	64	649
Signal group 4	12	4	12	8	97
Signal group 5	8	7	24	12	98
Signal group 6	3	6	18	11	33
Signal group 7	8	4	21	10	86
Signal group 8	3	11	23	15	46
Signal group 13	1	6	6	6	6
Signal group 14	2	6	7	6	13
Signal group 16	1	8	8	8	8
Pedestrian movement 3	1	321	321	321	321

Monday, 17 July 2023, 7:30:00 AM NZST to Monday, 17 July 2023, 7:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	18	12	100	30	544
D phase	10	12	23	15	159
E phase	4	11	24	15	61
F phase	10	10	15	12	127
Actual cycle	17	29	124	49	847
Signal group 1	17	6	94	27	460
Signal group 2	14	9	94	38	545
Signal group 3	3	5	8	6	18
Signal group 4	10	5	11	7	78
Signal group 5	10	7	19	11	110
Signal group 6	4	6	18	9	39
Signal group 7	10	4	16	10	102
Signal group 8	4	9	21	12	51
Signal group 13	1	7	7	7	7
Signal group 14	2	6	7	6	13
Signal group 16	1	7	7	7	7
Pedestrian movement 3	1	217	217	217	217

Monday, 17 July 2023, 7:45:00 AM NZST to Monday, 17 July 2023, 8:00:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	17	14	109	32	549
D phase	12	11	25	14	178
F phase	12	10	18	12	153
Actual cycle	17	24	133	51	880
Signal group 1	17	8	103	26	447
Signal group 2	11	11	103	45	503
Signal group 4	12	5	13	7	95
Signal group 5	12	7	20	9	118
Signal group 7	12	4	21	8	107
Signal group 14	1	6	6	6	6
Signal group 15	1	7	7	7	7

Monday, 17 July 2023, 8:00:00 AM NZST to Monday, 17 July 2023, 8:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	18	11	51	24	446
D phase	13	12	24	16	208
E phase	3	13	15	14	43
F phase	14	9	17	12	172
Actual cycle	17	22	74	49	833
Signal group 1	17	5	49	21	365
Signal group 2	15	16	85	32	485
Signal group 3	4	5	6	5	22
Signal group 4	12	4	12	7	90
Signal group 5	13	7	19	11	145
Signal group 6	3	8	11	10	30
Signal group 7	13	5	21	9	124
Signal group 8	3	10	15	12	36
Signal group 14	2	6	7	6	13
Signal group 15	1	7	7	7	7
Pedestrian movement 3	2	265	323	294	588

Monday, 17 July 2023, 8:15:00 AM NZST to Monday, 17 July 2023, 8:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	11	26	36	30	335
D phase	11	13	32	23	259
E phase	6	11	23	17	103
F phase	11	11	31	16	179
Nominal cycle length	10	62	89	76	761
Active cycle length	10	62	89	76	761
Actual cycle	10	62	101	79	795
Signal group 1	11	20	30	24	273
Signal group 2	11	27	46	36	406
Signal group 3	4	4	7	6	24
Signal group 4	11	6	26	10	118
Signal group 5	11	7	27	18	206
Signal group 6	6	6	18	12	72
Signal group 7	12	5	23	15	188
Signal group 8	6	6	23	14	87
Signal group 13	3	6	7	6	20
Signal group 14	8	6	8	6	55
Signal group 15	1	9	9	9	9
Signal group 16	7	7	9	8	58

Pedestrian movement 1	6	43	163	93	561
Pedestrian movement 2	1	437	437	437	437
Pedestrian movement 3	8	1	89	42	342
Pedestrian movement 4	2	4	102	53	106

Monday, 17 July 2023, 8:30:00 AM NZST to Monday, 17 July 2023, 8:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	11	25	41	31	347
D phase	10	20	39	30	304
E phase	4	10	15	12	49
F phase	10	12	20	15	159
Nominal cycle length	9	78	101	91	823
Active cycle length	9	78	101	91	823
Actual cycle	10	66	95	82	823
Signal group 1	11	19	33	25	283
Signal group 2	10	24	50	35	356
Signal group 3	6	4	5	4	29
Signal group 4	10	6	14	10	105
Signal group 5	10	15	34	25	254
Signal group 6	4	4	10	6	26
Signal group 7	10	12	31	22	222
Signal group 8	4	4	12	7	31
Signal group 14	7	6	9	7	49
Signal group 16	5	7	9	7	39
Pedestrian movement 1	4	62	190	100	402
Pedestrian movement 3	7	4	296	82	580

Monday, 17 July 2023, 8:45:00 AM NZST to Monday, 17 July 2023, 9:00:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	14	12	34	23	328
D phase	12	15	42	24	288
E phase	5	10	24	15	78
F phase	13	9	18	14	183
Nominal cycle length	10	75	98	89	897
Active cycle length	10	75	98	89	897
Actual cycle	13	23	92	61	801
Signal group 1	13	7	28	20	268
Signal group 2	13	7	43	30	391
Signal group 3	4	3	6	4	19
Signal group 4	12	5	13	9	112
Signal group 5	12	10	37	18	227
Signal group 6	5	5	18	9	49
Signal group 7	12	8	33	15	190
Signal group 8	5	5	18	12	60
Signal group 13	2	5	7	6	12
Signal group 14	3	7	8	7	23
Signal group 15	3	6	9	7	23
Signal group 16	3	7	7	7	21
Pedestrian movement 1	2	33	139	86	172
Pedestrian movement 2	2	264	479	371	743
Pedestrian movement 3	3	67	512	253	760
Pedestrian movement 4	1	731	731	731	731

Monday, 17 July 2023, 9:00:00 AM NZST to Monday, 17 July 2023, 9:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	17	12	36	24	419
D phase	15	11	26	18	274
E phase	3	11	12	11	34
F phase	12	11	21	12	154
Nominal cycle length	9	60	77	64	582
Active cycle length	9	60	77	64	582
Actual cycle	17	24	74	51	881
Signal group 1	17	6	30	20	344
Signal group 2	14	10	52	29	414
Signal group 3	5	5	7	6	30
Signal group 4	10	6	18	8	85
Signal group 5	15	6	21	13	203
Signal group 6	3	6	7	6	19
Signal group 7	15	4	23	12	192
Signal group 8	3	11	12	11	34
Signal group 14	4	6	7	6	27
Pedestrian movement 3	3	53	510	234	704

Monday, 17 July 2023, 9:15:00 AM NZST to Monday, 17 July 2023, 9:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	18	13	52	26	471
D phase	14	13	19	14	204
E phase	5	10	24	14	74
F phase	10	10	13	11	114
Actual cycle	18	24	90	46	837
Signal group 1	15	10	75	28	422
Signal group 2	17	10	82	25	437
Signal group 3	4	5	7	5	23
Signal group 4	6	5	7	6	37
Signal group 5	14	7	15	9	130
Signal group 6	5	4	18	8	44
Signal group 7	14	5	15	8	118
Signal group 8	5	4	24	12	64
Signal group 13	1	7	7	7	7
Signal group 15	1	8	8	8	8
Signal group 16	2	7	7	7	14
Pedestrian movement 1	1	224	224	224	224
Pedestrian movement 4	1	4	4	4	4

Monday, 17 July 2023, 9:30:00 AM NZST to Monday, 17 July 2023, 9:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	20	11	60	25	514
D phase	14	12	23	15	218
E phase	2	11	12	11	23
F phase	11	9	16	11	126
Actual cycle	20	23	76	44	881
Signal group 1	18	5	54	22	397
Signal group 2	15	7	102	30	455
Signal group 3	4	4	5	4	18

Signal group 4	9	5	11	7	64
Signal group 5	14	7	18	11	154
Signal group 6	2	5	5	5	10
Signal group 7	14	4	20	10	146
Signal group 8	2	5	5	5	10
Signal group 14	1	6	6	6	6
Signal group 16	1	7	7	7	7

Monday, 17 July 2023, 9:45:00 AM NZST to Monday, 17 July 2023, 10:00:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	19	11	49	23	440
D phase	15	12	19	14	220
E phase	3	13	23	16	50
F phase	9	9	12	11	99
Actual cycle	19	23	73	41	797
Signal group 1	18	5	43	19	355
Signal group 2	18	5	54	21	390
Signal group 3	4	4	5	4	19
Signal group 4	7	5	8	6	45
Signal group 5	15	7	15	9	145
Signal group 6	3	8	18	11	34
Signal group 7	15	5	13	9	149
Signal group 8	3	9	23	14	42
Signal group 13	1	7	7	7	7
Signal group 16	2	8	9	8	17

Monday, 17 July 2023, 10:00:00 AM NZST to Monday, 17 July 2023, 10:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	18	12	112	29	526
D phase	13	13	25	15	199
E phase	4	11	23	15	62
F phase	9	10	12	10	96
Actual cycle	18	23	135	47	847
Signal group 1	16	6	117	29	464
Signal group 2	16	6	106	30	482
Signal group 3	5	5	6	5	26
Signal group 4	4	6	7	6	26
Signal group 5	13	7	21	10	134
Signal group 6	4	6	17	10	43
Signal group 7	13	5	22	10	140
Signal group 8	4	10	17	12	48
Signal group 13	1	6	6	6	6

Monday, 17 July 2023, 10:15:00 AM NZST to Monday, 17 July 2023, 10:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	20	12	66	28	575
D phase	12	12	15	13	160
E phase	4	14	14	14	56
F phase	9	9	13	11	99
Actual cycle	19	26	90	45	858
Signal group 1	19	6	60	24	467
Signal group 2	16	10	73	33	541

Signal group 3	2	5	7	6	12
Signal group 4	7	5	9	6	47
Signal group 5	12	8	12	8	105
Signal group 6	4	8	9	8	34
Signal group 7	12	5	12	8	107
Signal group 8	4	6	11	9	38

Monday, 17 July 2023, 10:30:00 AM NZST to Monday, 17 July 2023, 10:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	19	12	104	27	523
D phase	16	12	19	14	238
E phase	1	10	10	10	10
F phase	10	9	15	11	117
Actual cycle	19	22	117	46	888
Signal group 1	17	6	98	24	417
Signal group 2	18	6	98	26	480
Signal group 3	5	5	5	5	25
Signal group 4	8	6	10	7	57
Signal group 5	16	7	14	9	157
Signal group 6	1	5	5	5	5
Signal group 7	16	5	13	9	146
Signal group 8	1	5	5	5	5
Signal group 16	1	9	9	9	9

Monday, 17 July 2023, 10:45:00 AM NZST to Monday, 17 July 2023, 11:00:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	18	13	61	30	547
D phase	14	12	27	15	210
E phase	2	11	23	17	34
F phase	8	10	15	11	94
Actual cycle	17	23	82	48	822
Signal group 1	17	11	65	27	473
Signal group 2	14	7	63	31	436
Signal group 3	4	5	6	5	21
Signal group 4	7	5	11	6	47
Signal group 5	14	8	20	10	140
Signal group 6	2	5	18	11	23
Signal group 7	14	5	25	10	142
Signal group 8	2	5	23	14	28
Signal group 13	1	6	6	6	6
Signal group 16	1	9	9	9	9

Monday, 17 July 2023, 11:00:00 AM NZST to Monday, 17 July 2023, 11:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	21	11	73	22	480
D phase	17	12	19	14	252
E phase	6	13	24	16	101
F phase	5	9	12	10	53
Actual cycle	21	24	90	42	886
Signal group 1	21	5	67	17	376
Signal group 2	19	5	67	18	345
Signal group 3	3	4	6	4	14

Signal group 4	3	5	7	6	18
Signal group 5	17	8	15	9	163
Signal group 6	6	6	18	11	67
Signal group 7	17	5	16	10	179
Signal group 8	6	5	23	12	76
Signal group 13	2	6	7	6	13
Pedestrian movement 4	1	28	28	28	28

Monday, 17 July 2023, 11:15:00 AM NZST to Monday, 17 July 2023, 11:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	22	10	61	24	529
D phase	18	12	19	13	251
F phase	7	9	13	11	80
Actual cycle	21	22	74	39	832
Signal group 1	21	5	55	19	419
Signal group 2	19	7	55	25	481
Signal group 3	2	4	5	4	9
Signal group 4	6	6	8	6	41
Signal group 5	18	7	14	8	161
Signal group 7	18	5	12	9	174
Signal group 13	1	7	7	7	7
Signal group 16	1	7	7	7	7

Monday, 17 July 2023, 11:30:00 AM NZST to Monday, 17 July 2023, 11:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	19	11	74	26	510
D phase	15	12	26	14	219
E phase	6	11	14	12	75
F phase	7	10	14	11	81
Actual cycle	19	23	97	46	885
Signal group 1	18	6	68	22	412
Signal group 2	19	5	79	23	444
Signal group 3	3	5	6	5	16
Signal group 4	5	5	11	7	35
Signal group 5	15	7	22	9	144
Signal group 6	6	5	8	6	41
Signal group 7	15	4	24	9	148
Signal group 8	6	5	11	8	52
Signal group 14	1	9	9	9	9

Monday, 17 July 2023, 11:45:00 AM NZST to Monday, 17 July 2023, 12:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	18	12	56	27	501
D phase	14	12	21	14	207
E phase	4	11	23	15	60
F phase	7	10	18	12	86
Actual cycle	18	25	72	46	836
Signal group 1	18	9	50	25	450
Signal group 2	16	6	104	31	503
Signal group 3	2	5	7	6	12
Signal group 4	5	6	14	8	43
Signal group 5	14	8	16	9	139

Signal group 6	4	5	18	9	37
Signal group 7	14	4	16	10	143
Signal group 8	4	5	23	13	53
Signal group 13	1	7	7	7	7

Monday, 17 July 2023, 12:00:00 PM NZST to Monday, 17 July 2023, 12:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	18	10	135	27	499
D phase	14	13	23	16	232
E phase	2	11	13	12	24
F phase	9	10	15	11	102
Actual cycle	18	22	145	46	830
Signal group 1	17	4	130	24	421
Signal group 2	15	6	158	32	483
Signal group 3	3	6	6	6	18
Signal group 4	7	5	9	6	43
Signal group 5	14	8	20	11	165
Signal group 6	2	6	9	7	15
Signal group 7	14	6	22	11	157
Signal group 8	2	6	13	9	19
Signal group 16	2	7	9	8	16
Pedestrian movement 1	1	4	4	4	4

Monday, 17 July 2023, 12:15:00 PM NZST to Monday, 17 July 2023, 12:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	20	11	51	23	476
D phase	18	11	18	14	262
F phase	9	10	14	11	102
Actual cycle	20	22	74	41	829
Signal group 1	19	5	46	20	387
Signal group 2	18	7	62	24	445
Signal group 3	3	5	6	5	16
Signal group 4	7	6	8	6	48
Signal group 5	18	6	13	9	173
Signal group 7	18	5	14	9	179
Signal group 16	1	8	8	8	8

Monday, 17 July 2023, 12:30:00 PM NZST to Monday, 17 July 2023, 12:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	21	11	45	22	479
D phase	13	11	16	14	185
E phase	3	15	24	20	62
F phase	12	10	17	11	138
Actual cycle	20	23	76	41	823
Signal group 1	19	9	39	21	406
Signal group 2	17	5	77	26	458
Signal group 3	5	4	7	5	29
Signal group 4	8	5	12	6	55
Signal group 5	14	6	22	9	135
Signal group 6	3	8	18	14	44
Signal group 7	14	4	18	9	129
Signal group 8	3	12	24	19	59

Signal group 13	2	6	7	6	13
Signal group 16	3	7	8	7	22
Pedestrian movement 1	2	4	50	27	54
Pedestrian movement 4	1	180	180	180	180

Monday, 17 July 2023, 12:45:00 PM NZST to Monday, 17 July 2023, 1:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	21	11	49	26	551
D phase	14	11	17	13	195
E phase	1	13	13	13	13
F phase	11	10	13	11	126
Actual cycle	21	23	62	41	875
Signal group 1	19	5	58	24	463
Signal group 2	17	5	77	32	545
Signal group 3	3	5	6	5	16
Signal group 4	9	5	9	6	62
Signal group 5	14	7	12	8	124
Signal group 6	1	7	7	7	7
Signal group 7	14	4	14	9	138
Signal group 8	1	11	11	11	11

Monday, 17 July 2023, 1:00:00 PM NZST to Monday, 17 July 2023, 1:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	21	11	58	25	539
D phase	14	13	20	15	219
E phase	2	13	15	14	28
F phase	8	10	13	11	94
Actual cycle	20	23	71	42	849
Signal group 1	20	5	53	21	433
Signal group 2	18	9	57	26	484
Signal group 3	4	5	7	6	24
Signal group 4	7	5	7	6	47
Signal group 5	14	7	16	10	151
Signal group 6	2	9	11	10	20
Signal group 7	14	5	18	11	164
Signal group 8	2	11	13	12	24
Signal group 16	2	7	7	7	14
Pedestrian movement 1	1	3	3	3	3

Monday, 17 July 2023, 1:15:00 PM NZST to Monday, 17 July 2023, 1:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	17	14	106	36	618
D phase	13	12	19	13	178
E phase	1	12	12	12	12
F phase	8	10	14	11	89
Actual cycle	16	27	130	50	815
Signal group 1	16	9	101	33	543
Signal group 2	14	18	101	43	603
Signal group 3	2	5	6	5	11
Signal group 4	6	5	9	6	40
Signal group 5	12	8	10	8	100
Signal group 6	1	6	6	6	6

Signal group 7	13	4	12	8	116
Signal group 8	1	12	12	12	12

Monday, 17 July 2023, 1:30:00 PM NZST to Monday, 17 July 2023, 1:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	17	11	177	35	607
D phase	10	12	15	14	140
E phase	4	13	24	15	63
F phase	6	10	11	10	64
Actual cycle	16	22	189	50	810
Signal group 1	15	10	170	36	551
Signal group 2	15	6	170	36	550
Signal group 3	3	4	6	5	15
Signal group 4	3	5	5	5	15
Signal group 5	11	8	12	9	100
Signal group 6	4	7	19	10	42
Signal group 7	11	6	12	9	106
Signal group 8	4	8	24	13	55
Signal group 13	1	9	9	9	9

Monday, 17 July 2023, 1:45:00 PM NZST to Monday, 17 July 2023, 2:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	21	12	136	26	554
D phase	14	13	18	14	196
E phase	1	14	14	14	14
F phase	10	9	12	10	107
Actual cycle	21	22	149	40	859
Signal group 1	19	6	130	26	512
Signal group 2	20	6	130	26	522
Signal group 3	5	4	5	4	23
Signal group 4	6	5	7	5	35
Signal group 5	14	8	13	8	125
Signal group 6	1	8	8	8	8
Signal group 7	14	5	14	9	139
Signal group 8	1	10	10	10	10
Signal group 16	1	8	8	8	8

Monday, 17 July 2023, 2:00:00 PM NZST to Monday, 17 July 2023, 2:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	18	12	66	31	561
D phase	16	11	24	14	230
E phase	2	10	11	10	21
F phase	7	10	14	11	79
Nominal cycle length	4	60	63	61	246
Active cycle length	4	60	63	61	246
Actual cycle	17	25	86	51	868
Signal group 1	18	6	61	26	469
Signal group 2	15	10	87	35	532
Signal group 3	1	5	5	5	5
Signal group 4	7	5	9	6	44
Signal group 5	16	6	19	9	147
Signal group 6	2	5	6	5	11

Signal group 7	16	4	15	9	151
Signal group 8	2	10	11	10	21
Signal group 16	1	7	7	7	7

Monday, 17 July 2023, 2:15:00 PM NZST to Monday, 17 July 2023, 2:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	19	11	87	29	556
D phase	13	12	22	15	201
E phase	2	10	15	12	25
F phase	10	10	14	11	113
Actual cycle	19	25	101	47	895
Signal group 1	18	5	81	25	460
Signal group 2	14	14	91	37	524
Signal group 3	1	5	5	5	5
Signal group 4	9	5	9	6	59
Signal group 5	13	7	17	10	133
Signal group 6	2	5	9	7	14
Signal group 7	13	4	18	9	124
Signal group 8	2	10	11	10	21

Monday, 17 July 2023, 2:30:00 PM NZST to Monday, 17 July 2023, 2:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	15	12	50	25	378
D phase	12	14	30	18	227
E phase	7	10	25	16	117
F phase	11	11	21	14	157
Nominal cycle length	5	60	73	67	336
Active cycle length	5	60	73	67	336
Actual cycle	15	30	77	58	879
Signal group 1	15	10	44	20	313
Signal group 2	13	15	66	31	404
Signal group 3	5	5	12	8	40
Signal group 4	10	6	15	8	88
Signal group 5	12	9	25	14	169
Signal group 6	7	5	20	11	78
Signal group 7	12	5	21	11	136
Signal group 8	7	6	24	13	95
Signal group 13	3	7	9	7	23
Signal group 14	1	7	7	7	7
Signal group 15	1	7	7	7	7
Signal group 16	3	7	7	7	21
Pedestrian movement 1	2	22	32	27	54
Pedestrian movement 3	1	436	436	436	436
Pedestrian movement 4	2	67	217	142	284

Monday, 17 July 2023, 2:45:00 PM NZST to Monday, 17 July 2023, 3:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	17	13	35	23	391
D phase	15	13	34	21	321
E phase	4	11	23	15	61
F phase	10	11	17	12	122
Nominal cycle length	5	60	72	66	332

Active cycle length	5	60	72	66	332
Actual cycle	16	25	83	51	823
Signal group 1	16	16	40	21	344
Signal group 2	16	13	34	22	352
Signal group 3	6	5	8	6	36
Signal group 4	6	6	11	7	43
Signal group 5	15	8	29	16	244
Signal group 6	4	6	17	9	39
Signal group 7	15	5	26	14	224
Signal group 8	4	6	17	10	40
Signal group 13	1	7	7	7	7
Signal group 14	9	5	12	7	63
Signal group 15	2	7	7	7	14
Signal group 16	4	7	8	7	29
Pedestrian movement 1	3	121	181	145	436
Pedestrian movement 2	2	1	114	57	115
Pedestrian movement 3	9	4	94	64	578
Pedestrian movement 4	1	403	403	403	403

Monday, 17 July 2023, 3:00:00 PM NZST to Monday, 17 July 2023, 3:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	10	25	58	32	329
D phase	9	23	36	28	256
E phase	9	11	25	18	168
F phase	8	11	14	12	96
Nominal cycle length	11	60	112	84	934
Active cycle length	11	60	112	84	934
Actual cycle	9	65	107	89	805
Signal group 1	10	20	52	29	296
Signal group 2	10	21	52	30	300
Signal group 3	6	5	7	5	34
Signal group 4	6	6	8	6	40
Signal group 5	9	18	31	22	204
Signal group 6	9	6	20	13	121
Signal group 7	9	15	27	19	173
Signal group 8	9	6	25	14	132
Signal group 13	5	5	9	7	35
Signal group 14	8	6	9	7	57
Signal group 15	5	7	7	7	35
Signal group 16	8	7	9	7	58
Pedestrian movement 1	7	5	121	53	375
Pedestrian movement 2	4	5	202	123	494
Pedestrian movement 3	7	15	48	29	205
Pedestrian movement 4	4	9	120	46	186

Monday, 17 July 2023, 3:15:00 PM NZST to Monday, 17 July 2023, 3:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	17	12	51	26	456
D phase	14	13	34	18	264
E phase	2	11	11	11	22
F phase	10	10	19	12	126
Nominal cycle length	8	60	110	89	716
Active cycle length	8	60	110	89	716

Actual cycle	17	33	101	50	857
Signal group 1	18	6	55	22	399
Signal group 2	15	12	72	33	499
Signal group 3	2	5	8	6	13
Signal group 4	8	5	14	7	61
Signal group 5	14	6	30	13	192
Signal group 6	2	5	7	6	12
Signal group 7	14	5	26	13	182
Signal group 8	2	11	11	11	22
Signal group 14	1	7	7	7	7
Signal group 15	1	8	8	8	8
Signal group 16	3	7	8	7	23
Pedestrian movement 1	3	4	144	59	179

Monday, 17 July 2023, 3:30:00 PM NZST to Monday, 17 July 2023, 3:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	17	12	43	26	455
D phase	16	13	29	19	316
E phase	2	12	14	13	26
F phase	9	9	12	10	93
Nominal cycle length	5	60	67	63	317
Active cycle length	5	60	67	63	317
Actual cycle	17	22	68	51	877
Signal group 1	17	5	43	22	385
Signal group 2	17	5	41	23	406
Signal group 3	4	5	7	5	23
Signal group 4	6	5	7	5	34
Signal group 5	16	8	24	14	237
Signal group 6	2	7	8	7	15
Signal group 7	16	8	22	15	241
Signal group 8	2	7	11	9	18
Signal group 14	2	6	11	8	17
Pedestrian movement 3	1	304	304	304	304

Monday, 17 July 2023, 3:45:00 PM NZST to Monday, 17 July 2023, 4:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	19	12	56	24	461
D phase	15	12	29	17	259
E phase	3	12	14	12	38
F phase	10	10	14	11	116
Actual cycle	19	22	95	45	861
Signal group 1	17	8	59	22	382
Signal group 2	17	5	60	26	452
Signal group 3	2	5	9	7	14
Signal group 4	8	5	11	6	55
Signal group 5	15	6	25	12	188
Signal group 6	3	6	9	7	21
Signal group 7	15	6	22	12	183
Signal group 8	3	11	12	11	35
Signal group 14	1	6	6	6	6
Signal group 16	1	8	8	8	8

Monday, 17 July 2023, 4:00:00 PM NZST to Monday, 17 July 2023, 4:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	13	18	40	28	369
D phase	14	14	38	22	316
E phase	3	10	26	19	59
F phase	10	9	15	11	117
Nominal cycle length	7	60	95	74	523
Active cycle length	7	60	95	74	523
Actual cycle	13	42	92	62	811
Signal group 1	14	12	34	23	331
Signal group 2	14	16	38	27	386
Signal group 3	5	4	6	4	24
Signal group 4	9	5	11	6	62
Signal group 5	14	8	33	17	238
Signal group 6	3	5	19	14	42
Signal group 7	14	5	30	15	211
Signal group 8	3	10	19	15	47
Signal group 13	2	8	9	8	17
Signal group 14	1	8	8	8	8
Signal group 15	2	6	6	6	12
Signal group 16	1	7	7	7	7
Pedestrian movement 2	1	219	219	219	219
Pedestrian movement 4	1	551	551	551	551

Monday, 17 July 2023, 4:15:00 PM NZST to Monday, 17 July 2023, 4:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	15	22	35	28	430
D phase	16	13	27	18	295
E phase	2	11	23	17	34
F phase	10	9	14	11	114
Nominal cycle length	5	60	93	76	384
Active cycle length	5	60	93	76	384
Actual cycle	15	38	70	54	822
Signal group 1	15	19	34	24	374
Signal group 2	15	16	41	27	412
Signal group 3	4	5	8	6	26
Signal group 4	7	4	10	6	47
Signal group 5	16	8	23	13	218
Signal group 6	2	5	18	11	23
Signal group 7	16	4	23	12	203
Signal group 8	2	11	23	17	34
Signal group 13	1	7	7	7	7

Monday, 17 July 2023, 4:30:00 PM NZST to Monday, 17 July 2023, 4:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	15	16	50	29	445
D phase	15	14	35	21	324
F phase	8	10	16	11	93
Nominal cycle length	9	60	89	74	670
Active cycle length	9	60	89	74	670
Actual cycle	15	35	72	56	841
Signal group 1	15	10	44	24	365

Signal group 2	14	18	48	30	423
Signal group 3	3	4	5	4	14
Signal group 4	7	4	10	6	48
Signal group 5	15	10	29	16	251
Signal group 7	15	7	26	16	247

Monday, 17 July 2023, 4:45:00 PM NZST to Monday, 17 July 2023, 5:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	14	22	51	30	428
D phase	15	15	29	19	290
E phase	3	23	23	23	69
F phase	8	10	15	12	96
Nominal cycle length	6	60	73	67	404
Active cycle length	6	60	73	67	404
Actual cycle	13	42	89	62	813
Signal group 1	14	16	45	24	341
Signal group 2	14	17	46	30	426
Signal group 3	1	7	7	7	7
Signal group 4	8	5	10	6	55
Signal group 5	15	9	23	14	213
Signal group 6	3	17	17	17	51
Signal group 7	15	6	25	12	194
Signal group 8	3	17	23	21	63
Signal group 13	3	6	6	6	18
Pedestrian movement 4	2	39	167	103	206

Monday, 17 July 2023, 5:00:00 PM NZST to Monday, 17 July 2023, 5:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	12	29	72	38	456
D phase	12	13	41	24	297
E phase	1	26	26	26	26
F phase	9	10	15	11	106
Nominal cycle length	12	68	86	78	947
Active cycle length	12	68	86	78	947
Actual cycle	12	53	106	72	872
Signal group 1	12	23	65	32	394
Signal group 2	12	27	65	37	447
Signal group 3	3	5	6	5	16
Signal group 4	7	5	11	6	48
Signal group 5	12	8	35	19	232
Signal group 6	1	20	20	20	20
Signal group 7	12	4	31	17	213
Signal group 8	1	20	20	20	20
Signal group 13	1	9	9	9	9
Signal group 14	1	6	6	6	6

Monday, 17 July 2023, 5:15:00 PM NZST to Monday, 17 July 2023, 5:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	15	15	35	28	432
D phase	15	13	25	19	285
E phase	4	11	23	16	67
F phase	8	10	16	11	93

Nominal cycle length	13	60	76	65	846
Active cycle length	13	60	76	65	846
Actual cycle	15	37	71	57	856
Signal group 1	14	20	47	26	373
Signal group 2	15	9	40	27	419
Signal group 3	2	5	5	5	10
Signal group 4	6	5	12	7	43
Signal group 5	15	8	21	14	213
Signal group 6	4	5	19	11	46
Signal group 7	15	5	18	12	190
Signal group 8	4	11	23	16	67
Signal group 13	2	6	7	6	13
Signal group 16	1	7	7	7	7
Pedestrian movement 4	1	185	185	185	185

Monday, 17 July 2023, 5:30:00 PM NZST to Monday, 17 July 2023, 5:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	17	15	46	29	500
D phase	17	12	28	16	277
E phase	1	12	12	12	12
F phase	6	10	14	11	70
Nominal cycle length	5	60	74	67	335
Active cycle length	5	60	74	67	335
Actual cycle	16	29	69	49	799
Signal group 1	17	9	40	23	406
Signal group 2	17	9	50	26	444
Signal group 3	2	5	7	6	12
Signal group 4	5	5	9	7	35
Signal group 5	17	7	22	11	189
Signal group 6	1	6	6	6	6
Signal group 7	17	4	26	11	199
Signal group 8	1	12	12	12	12

Monday, 17 July 2023, 5:45:00 PM NZST to Monday, 17 July 2023, 6:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	14	17	85	34	482
D phase	12	12	24	18	221
E phase	2	13	24	18	37
F phase	8	10	12	11	91
Nominal cycle length	11	60	69	63	700
Active cycle length	11	60	69	63	700
Actual cycle	14	41	97	59	831
Signal group 1	15	11	78	31	469
Signal group 2	14	13	88	37	525
Signal group 3	2	5	6	5	11
Signal group 4	6	5	8	6	38
Signal group 5	12	8	19	13	163
Signal group 6	2	8	17	12	25
Signal group 7	12	6	21	13	161
Signal group 8	2	10	24	17	34
Signal group 13	1	7	7	7	7
Signal group 14	1	7	7	7	7
Pedestrian movement 3	1	4	4	4	4

Monday, 17 July 2023, 6:00:00 PM NZST to Monday, 17 July 2023, 6:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	19	12	54	25	488
D phase	18	11	31	17	306
E phase	1	14	14	14	14
F phase	8	9	13	10	86
Nominal cycle length	3	60	62	60	182
Active cycle length	3	60	62	60	182
Actual cycle	19	25	64	46	882
Signal group 1	17	6	80	25	428
Signal group 2	19	6	51	21	408
Signal group 3	4	4	6	5	20
Signal group 4	4	4	7	5	22
Signal group 5	18	6	25	12	219
Signal group 6	1	9	9	9	9
Signal group 7	18	5	28	12	228
Signal group 8	1	14	14	14	14
Signal group 14	1	6	6	6	6

Monday, 17 July 2023, 6:15:00 PM NZST to Monday, 17 July 2023, 6:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	11	18	150	58	638
D phase	9	13	19	14	130
F phase	7	9	13	10	76
Actual cycle	11	31	174	74	814
Signal group 1	11	13	144	52	577
Signal group 2	8	17	286	75	604
Signal group 3	1	5	5	5	5
Signal group 4	7	4	8	6	42
Signal group 5	9	8	15	9	84
Signal group 7	9	4	15	8	78

Monday, 17 July 2023, 6:30:00 PM NZST to Monday, 17 July 2023, 6:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	14	12	150	38	543
D phase	13	12	19	14	188
E phase	1	24	24	24	24
F phase	3	10	11	10	31
Actual cycle	13	26	174	57	752
Signal group 1	13	10	144	30	402
Signal group 2	14	6	144	32	461
Signal group 3	3	4	6	5	15
Signal group 5	14	7	13	9	127
Signal group 6	1	20	20	20	20
Signal group 7	13	4	17	10	141
Signal group 8	1	24	24	24	24
Signal group 13	1	9	9	9	9

Monday, 17 July 2023, 6:45:00 PM NZST to Monday, 17 July 2023, 7:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	16	16	136	37	595

D phase	15	13	20	14	217
E phase	2	12	12	12	24
F phase	5	10	13	11	55
Actual cycle	15	29	96	50	755
Signal group 1	16	10	142	33	535
Signal group 2	16	10	131	32	516
Signal group 3	4	5	6	5	21
Signal group 4	2	5	8	6	13
Signal group 5	15	8	15	9	146
Signal group 6	2	6	7	6	13
Signal group 7	15	4	18	9	147
Signal group 8	2	6	12	9	18

Monday, 17 July 2023, 7:00:00 PM NZST to Monday, 17 July 2023, 7:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	16	12	119	40	642
D phase	13	12	16	13	176
F phase	5	10	15	11	56
Actual cycle	16	23	132	54	874
Signal group 1	15	6	113	38	573
Signal group 2	14	9	124	42	595
Signal group 3	2	5	6	5	11
Signal group 4	3	5	10	7	21
Signal group 5	13	7	11	8	109
Signal group 7	13	5	14	10	134

Monday, 17 July 2023, 7:15:00 PM NZST to Monday, 17 July 2023, 7:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	20	11	82	27	551
D phase	14	12	21	14	209
F phase	10	10	14	11	117
Actual cycle	19	23	107	44	853
Signal group 1	18	5	76	26	483
Signal group 2	17	6	102	30	518
Signal group 3	4	5	9	6	27
Signal group 4	7	5	7	6	42
Signal group 5	15	8	16	10	150
Signal group 7	14	4	18	10	146
Signal group 15	1	7	7	7	7

Monday, 17 July 2023, 7:30:00 PM NZST to Monday, 17 July 2023, 7:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	12	11	181	57	687
D phase	8	12	17	14	112
E phase	3	10	15	13	39
F phase	3	9	12	10	32
Actual cycle	12	26	195	71	861
Signal group 1	11	9	175	58	645
Signal group 2	11	6	197	58	638
Signal group 3	2	4	7	5	11
Signal group 4	1	7	7	7	7
Signal group 5	8	7	12	8	70

Signal group 6	3	5	9	7	22
Signal group 7	8	5	13	10	80
Signal group 8	3	5	12	9	27
Signal group 15	1	7	7	7	7

Monday, 17 July 2023, 7:45:00 PM NZST to Monday, 17 July 2023, 8:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	4	18	316	126	505
D phase	4	13	14	13	53
F phase	1	11	11	11	11
Actual cycle	4	29	329	138	555
Signal group 1	3	54	310	157	471
Signal group 2	4	12	310	120	483
Signal group 3	1	6	6	6	6
Signal group 5	4	8	8	8	32
Signal group 7	4	10	11	10	41

Monday, 17 July 2023, 8:00:00 PM NZST to Monday, 17 July 2023, 8:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	11	11	181	61	679
D phase	9	12	14	13	119
F phase	4	9	11	10	40
Actual cycle	11	22	198	74	824
Signal group 1	9	7	198	76	685
Signal group 2	12	5	176	52	627
Signal group 3	4	4	6	5	20
Signal group 5	9	7	11	8	75
Signal group 7	9	9	11	10	92

Monday, 17 July 2023, 8:15:00 PM NZST to Monday, 17 July 2023, 8:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	4	37	240	166	665
D phase	3	13	15	13	41
E phase	2	13	13	13	26
F phase	1	11	11	11	11
Actual cycle	4	52	253	182	730
Signal group 1	4	32	236	163	655
Signal group 2	4	32	236	161	644
Signal group 3	1	6	6	6	6
Signal group 5	3	8	11	9	27
Signal group 6	2	7	8	7	15
Signal group 7	3	9	11	9	29
Signal group 8	2	10	11	10	21

Monday, 17 July 2023, 8:30:00 PM NZST to Monday, 17 July 2023, 8:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	12	11	80	35	426
D phase	11	13	21	14	155
F phase	3	10	11	10	31
Actual cycle	12	23	93	49	598
Signal group 1	10	10	74	39	398

Signal group 2	12	5	74	29	355
Signal group 3	3	4	5	4	14
Signal group 5	11	8	16	9	102
Signal group 7	11	9	17	10	118

Monday, 17 July 2023, 8:45:00 PM NZST to Monday, 17 July 2023, 9:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	5	46	272	126	634
D phase	5	13	17	14	73
E phase	1	10	10	10	10
F phase	1	11	11	11	11
Actual cycle	5	63	288	140	704
Signal group 1	4	40	266	155	621
Signal group 2	5	40	266	120	604
Signal group 3	1	6	6	6	6
Signal group 5	5	8	12	9	48
Signal group 6	1	5	5	5	5
Signal group 7	5	5	15	10	53
Signal group 8	1	10	10	10	10

Monday, 17 July 2023, 9:00:00 PM NZST to Monday, 17 July 2023, 9:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
D phase	1	14	14	14	14
F phase	1	10	10	10	10
Signal group 3	1	4	4	4	4
Signal group 5	1	8	8	8	8
Signal group 7	1	11	11	11	11

Monday, 17 July 2023, 9:15:00 PM NZST to Monday, 17 July 2023, 9:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	5	12	331	131	658
D phase	4	12	13	12	51
F phase	3	10	12	11	33
Actual cycle	5	23	343	146	730
Signal group 1	4	12	325	164	656
Signal group 2	4	6	355	161	647
Signal group 3	2	5	5	5	10
Signal group 4	1	8	8	8	8
Signal group 5	4	7	8	7	31
Signal group 7	4	9	10	9	39

Monday, 17 July 2023, 9:30:00 PM NZST to Monday, 17 July 2023, 9:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
D phase	1	13	13	13	13
Signal group 5	1	8	8	8	8
Signal group 7	1	9	9	9	9

Monday, 17 July 2023, 9:45:00 PM NZST to Monday, 17 July 2023, 10:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
E phase	1	13	13	13	13

Signal group 6	1	8	8	8	8
Signal group 8	1	10	10	10	10

Monday, 17 July 2023, 10:15:00 PM NZST to Monday, 17 July 2023, 10:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
D phase	1	14	14	14	14
F phase	1	11	11	11	11
Signal group 3	1	6	6	6	6
Signal group 5	1	8	8	8	8
Signal group 7	1	10	10	10	10

Monday, 17 July 2023, 10:30:00 PM NZST to Monday, 17 July 2023, 10:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	1	425	425	425	425
D phase	2	16	19	17	35
F phase	1	11	11	11	11
Actual cycle	1	441	441	441	441
Signal group 1	1	431	431	431	431
Signal group 2	1	420	420	420	420
Signal group 3	1	6	6	6	6
Signal group 5	2	11	14	12	25
Signal group 7	2	12	16	14	28

Monday, 17 July 2023, 10:45:00 PM NZST to Monday, 17 July 2023, 11:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	1	427	427	427	427
D phase	2	14	17	15	31
Actual cycle	1	444	444	444	444
Signal group 1	1	421	421	421	421
Signal group 2	1	421	421	421	421
Signal group 5	2	9	12	10	21
Signal group 7	2	11	14	12	25

Monday, 17 July 2023, 11:00:00 PM NZST to Monday, 17 July 2023, 11:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	1	537	537	537	537
D phase	2	13	13	13	26
Actual cycle	1	550	550	550	550
Signal group 1	1	531	531	531	531
Signal group 2	1	531	531	531	531
Signal group 5	2	8	8	8	16
Signal group 7	2	9	10	9	19

Monday, 17 July 2023, 11:15:00 PM NZST to Monday, 17 July 2023, 11:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	4	11	261	107	431
D phase	3	12	13	12	38
F phase	2	11	11	11	22
Actual cycle	4	22	274	119	478
Signal group 1	2	163	255	209	418

Signal group 2	4	4	255	101	405
Signal group 3	2	6	6	6	12
Signal group 5	3	7	9	7	23
Signal group 7	3	10	11	10	31

Report: Periodic statistics for site 1637

15 minute intervals

From: Friday, 21 July 2023, 12:00:00 AM NZST

To: Friday, 21 July 2023, 11:59:59 PM NZST

Friday, 21 July 2023, 12:00:00 AM NZST to Friday, 21 July 2023, 12:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
Unknown phase	1	17	17	17	17
A phase	2	11	120	65	131
D phase	1	13	13	13	13
F phase	1	11	11	11	11
Actual cycle	3	17	133	57	172
Signal group 2	1	6	6	6	6
Signal group 3	1	6	6	6	6
Signal group 5	1	8	8	8	8
Signal group 7	1	9	9	9	9

Friday, 21 July 2023, 12:15:00 AM NZST to Friday, 21 July 2023, 12:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	2	11	529	270	540
D phase	2	12	13	12	25
F phase	2	11	12	11	23
Actual cycle	2	22	542	282	564
Signal group 1	2	55	535	295	590
Signal group 2	3	5	523	187	561
Signal group 3	2	6	7	6	13
Signal group 5	2	7	8	7	15
Signal group 7	2	9	10	9	19

Friday, 21 July 2023, 12:30:00 AM NZST to Friday, 21 July 2023, 12:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	1	401	401	401	401
D phase	2	12	13	12	25
Actual cycle	1	414	414	414	414
Signal group 1	1	395	395	395	395
Signal group 2	1	395	395	395	395
Signal group 5	2	7	9	8	16
Signal group 7	2	9	10	9	19

Friday, 21 July 2023, 1:15:00 AM NZST to Friday, 21 July 2023, 1:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
D phase	1	13	13	13	13
E phase	1	11	11	11	11
Signal group 5	1	8	8	8	8
Signal group 6	1	5	5	5	5
Signal group 7	1	5	5	5	5
Signal group 8	1	11	11	11	11

Friday, 21 July 2023, 1:45:00 AM NZST to Friday, 21 July 2023, 2:00:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	3	11	709	244	732
D phase	3	13	16	14	43
F phase	1	10	10	10	10
Actual cycle	3	22	725	257	772
Signal group 1	2	27	703	365	730
Signal group 2	3	5	703	237	713
Signal group 3	1	5	5	5	5
Signal group 5	3	7	11	8	26
Signal group 7	3	10	12	11	33

Friday, 21 July 2023, 2:00:00 AM NZST to Friday, 21 July 2023, 2:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	13	11	313	46	601
D phase	8	12	16	14	112
F phase	6	10	11	10	63
Actual cycle	13	21	325	58	763
Signal group 1	7	27	306	85	601
Signal group 2	13	5	306	40	523
Signal group 3	6	5	6	5	31
Signal group 5	8	8	11	8	69
Signal group 7	8	10	14	11	90

Friday, 21 July 2023, 2:15:00 AM NZST to Friday, 21 July 2023, 2:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
D phase	1	14	14	14	14
Signal group 5	1	8	8	8	8
Signal group 7	1	11	11	11	11

Friday, 21 July 2023, 3:00:00 AM NZST to Friday, 21 July 2023, 3:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	4	12	214	73	292
D phase	2	13	13	13	26
F phase	2	10	11	10	21
Actual cycle	3	22	227	94	284
Signal group 1	3	18	230	95	285
Signal group 2	3	5	208	95	285
Signal group 3	1	5	5	5	5
Signal group 4	1	6	6	6	6
Signal group 5	3	8	9	8	25
Signal group 7	2	9	9	9	18

Friday, 21 July 2023, 3:15:00 AM NZST to Friday, 21 July 2023, 3:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	2	29	496	262	525
D phase	1	12	12	12	12
F phase	1	11	11	11	11
Actual cycle	2	41	507	274	548
Signal group 1	2	22	490	256	512
Signal group 2	1	22	22	22	22
Signal group 4	1	7	7	7	7

Signal group 5	1	7	7	7	7
Signal group 7	1	10	10	10	10

Friday, 21 July 2023, 3:30:00 AM NZST to Friday, 21 July 2023, 3:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	1	407	407	407	407
D phase	2	13	17	15	30
Actual cycle	1	424	424	424	424
Signal group 1	1	401	401	401	401
Signal group 2	1	401	401	401	401
Signal group 5	2	8	12	10	20
Signal group 7	2	10	13	11	23

Friday, 21 July 2023, 3:45:00 AM NZST to Friday, 21 July 2023, 4:00:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
D phase	1	13	13	13	13
Signal group 5	1	8	8	8	8
Signal group 7	1	9	9	9	9

Friday, 21 July 2023, 4:00:00 AM NZST to Friday, 21 July 2023, 4:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	1	359	359	359	359
D phase	2	13	16	14	29
Actual cycle	1	375	375	375	375
Signal group 1	1	353	353	353	353
Signal group 2	1	353	353	353	353
Signal group 5	2	8	11	9	19
Signal group 7	2	9	13	11	22

Friday, 21 July 2023, 4:30:00 AM NZST to Friday, 21 July 2023, 4:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	2	25	232	128	257
D phase	3	13	13	13	39
E phase	1	11	11	11	11
F phase	1	10	10	10	10
Actual cycle	2	38	256	147	294
Signal group 1	2	19	228	123	247
Signal group 2	2	19	228	123	247
Signal group 3	1	5	5	5	5
Signal group 4	1	5	5	5	5
Signal group 5	3	8	8	8	24
Signal group 6	1	6	6	6	6
Signal group 7	3	4	10	6	19
Signal group 8	1	11	11	11	11

Friday, 21 July 2023, 4:45:00 AM NZST to Friday, 21 July 2023, 5:00:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	2	91	177	134	268
D phase	2	12	13	12	25
E phase	1	13	13	13	13

F phase	1	10	10	10	10
Actual cycle	2	104	199	151	303
Signal group 1	2	84	170	127	254
Signal group 2	2	84	170	127	254
Signal group 4	1	5	5	5	5
Signal group 5	2	8	8	8	16
Signal group 6	1	7	7	7	7
Signal group 7	2	6	10	8	16
Signal group 8	1	11	11	11	11

Friday, 21 July 2023, 5:00:00 AM NZST to Friday, 21 July 2023, 5:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	2	249	496	372	745
D phase	3	13	13	13	39
F phase	1	12	12	12	12
Actual cycle	2	274	509	391	783
Signal group 1	2	243	491	367	734
Signal group 2	2	243	491	367	734
Signal group 4	1	7	7	7	7
Signal group 5	3	8	9	8	26
Signal group 7	3	4	10	7	23

Friday, 21 July 2023, 5:15:00 AM NZST to Friday, 21 July 2023, 5:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	1	421	421	421	421
D phase	2	13	15	14	28
Actual cycle	1	436	436	436	436
Signal group 1	1	415	415	415	415
Signal group 2	1	415	415	415	415
Signal group 5	2	8	8	8	16
Signal group 7	2	10	11	10	21

Friday, 21 July 2023, 5:30:00 AM NZST to Friday, 21 July 2023, 5:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	5	11	257	130	654
D phase	4	12	14	13	52
F phase	4	10	12	10	43
Actual cycle	5	23	271	147	736
Signal group 1	4	77	251	160	641
Signal group 2	4	5	262	141	567
Signal group 3	1	6	6	6	6
Signal group 4	3	5	5	5	15
Signal group 5	4	7	9	8	32
Signal group 7	4	5	10	7	30

Friday, 21 July 2023, 5:45:00 AM NZST to Friday, 21 July 2023, 6:00:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	11	10	133	56	622
D phase	7	12	22	14	102
E phase	2	13	15	14	28
F phase	10	10	14	12	123

Actual cycle	11	24	143	77	849
Signal group 1	11	5	127	50	557
Signal group 2	8	18	242	85	684
Signal group 4	10	5	11	7	74
Signal group 5	7	7	18	9	65
Signal group 6	2	9	9	9	18
Signal group 7	7	4	14	6	48
Signal group 8	2	9	11	10	20

Friday, 21 July 2023, 6:00:00 AM NZST to Friday, 21 July 2023, 6:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	10	11	158	54	545
D phase	7	13	17	14	99
F phase	5	10	12	10	53
Actual cycle	10	23	172	68	684
Signal group 1	6	15	175	88	530
Signal group 2	10	5	152	49	499
Signal group 3	4	5	6	5	21
Signal group 4	1	5	5	5	5
Signal group 5	7	8	12	9	63
Signal group 7	7	6	13	10	71

Friday, 21 July 2023, 6:15:00 AM NZST to Friday, 21 July 2023, 6:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	6	26	127	81	488
D phase	5	12	14	13	66
E phase	2	10	10	10	20
F phase	4	10	11	10	42
Actual cycle	5	36	151	92	462
Signal group 1	6	21	121	75	455
Signal group 2	4	47	216	126	506
Signal group 4	4	5	6	5	21
Signal group 5	5	7	8	7	39
Signal group 6	3	5	6	5	16
Signal group 7	5	4	5	4	24
Signal group 8	3	10	12	10	32

Friday, 21 July 2023, 6:30:00 AM NZST to Friday, 21 July 2023, 6:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	12	11	124	56	679
D phase	7	12	18	13	97
E phase	1	13	13	13	13
F phase	7	9	12	11	79
Actual cycle	12	22	146	72	868
Signal group 1	11	5	117	57	636
Signal group 2	10	5	120	66	668
Signal group 3	3	5	6	5	17
Signal group 4	5	6	7	6	31
Signal group 5	7	7	13	8	62
Signal group 6	1	8	8	8	8
Signal group 7	7	4	14	9	66
Signal group 8	1	10	10	10	10

Friday, 21 July 2023, 6:45:00 AM NZST to Friday, 21 July 2023, 7:00:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	14	11	139	39	557
D phase	10	13	18	14	142
E phase	1	14	14	14	14
F phase	8	10	16	12	101
Actual cycle	14	22	152	56	789
Signal group 1	14	4	134	39	556
Signal group 2	12	5	185	52	625
Signal group 3	2	5	7	6	12
Signal group 4	6	5	12	8	50
Signal group 5	10	8	14	9	95
Signal group 6	1	8	8	8	8
Signal group 7	10	7	14	10	101
Signal group 8	1	10	10	10	10

Friday, 21 July 2023, 7:00:00 AM NZST to Friday, 21 July 2023, 7:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	12	11	127	42	504
D phase	7	13	18	14	102
E phase	1	24	24	24	24
F phase	10	9	16	11	117
Actual cycle	12	22	140	60	720
Signal group 1	10	7	171	46	468
Signal group 2	8	6	122	66	530
Signal group 3	2	5	5	5	10
Signal group 4	8	4	11	7	57
Signal group 5	7	8	13	9	65
Signal group 6	1	19	19	19	19
Signal group 7	7	4	10	7	55
Signal group 8	1	24	24	24	24
Signal group 13	1	8	8	8	8
Signal group 16	1	7	7	7	7

Friday, 21 July 2023, 7:15:00 AM NZST to Friday, 21 July 2023, 7:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	16	12	75	32	527
D phase	10	12	16	13	134
F phase	13	10	16	11	153
Actual cycle	16	24	87	50	801
Signal group 1	17	7	69	28	482
Signal group 2	12	10	135	52	624
Signal group 3	3	5	6	5	16
Signal group 4	12	5	12	7	85
Signal group 5	10	8	10	8	86
Signal group 7	10	5	13	7	79

Friday, 21 July 2023, 7:30:00 AM NZST to Friday, 21 July 2023, 7:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	22	11	78	24	542
D phase	11	12	24	15	169

E phase	2	10	13	11	23
F phase	15	10	13	10	162
Actual cycle	21	22	88	39	835
Signal group 1	20	5	72	22	446
Signal group 2	14	11	139	41	584
Signal group 3	4	4	6	5	20
Signal group 4	13	5	8	6	79
Signal group 5	11	7	20	10	111
Signal group 6	2	5	7	6	12
Signal group 7	11	4	18	9	101
Signal group 8	2	10	11	10	21

Friday, 21 July 2023, 7:45:00 AM NZST to Friday, 21 July 2023, 8:00:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	16	11	104	30	486
D phase	11	13	21	15	169
E phase	3	10	14	11	35
F phase	14	10	17	12	169
Actual cycle	16	22	139	53	859
Signal group 1	15	5	98	27	411
Signal group 2	14	5	109	38	532
Signal group 3	3	5	6	5	16
Signal group 4	13	5	11	7	91
Signal group 5	11	7	16	10	110
Signal group 6	3	5	9	7	21
Signal group 7	11	4	13	7	81
Signal group 8	3	10	11	10	32
Signal group 16	1	7	7	7	7

Friday, 21 July 2023, 8:00:00 AM NZST to Friday, 21 July 2023, 8:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	19	11	75	25	483
D phase	14	13	25	15	221
E phase	1	12	12	12	12
F phase	13	10	19	12	166
Actual cycle	19	23	100	45	855
Signal group 1	18	7	69	21	390
Signal group 2	14	6	92	39	547
Signal group 3	2	5	6	5	11
Signal group 4	12	5	13	7	91
Signal group 5	14	8	18	10	151
Signal group 6	1	6	6	6	6
Signal group 7	14	6	15	9	134
Signal group 8	1	12	12	12	12
Signal group 14	1	6	6	6	6
Signal group 15	1	8	8	8	8
Signal group 16	1	9	9	9	9

Friday, 21 July 2023, 8:15:00 AM NZST to Friday, 21 July 2023, 8:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	18	12	38	22	411
D phase	13	13	27	18	236

E phase	3	12	23	16	49
F phase	12	10	18	13	160
Actual cycle	17	31	76	48	819
Signal group 1	18	6	32	16	299
Signal group 2	14	13	79	30	433
Signal group 3	3	5	7	5	17
Signal group 4	12	5	13	8	101
Signal group 5	14	8	24	13	194
Signal group 6	3	7	17	10	32
Signal group 7	14	5	20	12	172
Signal group 8	3	12	23	16	49
Signal group 13	1	7	7	7	7
Signal group 14	2	6	10	8	16
Signal group 16	2	7	7	7	14
Pedestrian movement 1	1	304	304	304	304
Pedestrian movement 3	1	84	84	84	84

Friday, 21 July 2023, 8:30:00 AM NZST to Friday, 21 July 2023, 8:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	14	17	33	25	350
D phase	14	14	37	24	339
E phase	2	11	13	12	24
F phase	13	11	16	13	171
Nominal cycle length	9	60	76	68	612
Active cycle length	9	60	76	68	612
Actual cycle	13	44	76	63	824
Signal group 1	14	12	27	19	267
Signal group 2	14	17	35	26	365
Signal group 3	7	5	6	5	37
Signal group 4	13	6	11	7	103
Signal group 5	14	9	31	19	270
Signal group 6	3	6	7	6	19
Signal group 7	14	5	29	15	222
Signal group 8	3	6	13	8	25
Signal group 14	2	6	7	6	13
Signal group 16	4	7	9	8	32
Pedestrian movement 1	3	118	262	166	499
Pedestrian movement 3	1	86	86	86	86

Friday, 21 July 2023, 8:45:00 AM NZST to Friday, 21 July 2023, 9:00:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	11	25	53	35	388
D phase	10	23	45	30	309
E phase	4	11	12	11	47
F phase	10	10	20	13	137
Nominal cycle length	10	64	105	89	894
Active cycle length	10	64	105	89	894
Actual cycle	10	68	114	83	837
Signal group 1	11	19	58	30	335
Signal group 2	11	26	47	37	412
Signal group 3	5	3	5	4	21
Signal group 4	9	5	13	8	77
Signal group 5	11	14	40	25	276

Signal group 6	4	5	6	5	23
Signal group 7	11	10	37	22	243
Signal group 8	4	6	11	7	29
Signal group 14	3	7	7	7	21
Signal group 15	1	7	7	7	7
Signal group 16	1	9	9	9	9
Pedestrian movement 2	1	2	2	2	2
Pedestrian movement 3	2	6	81	43	87

Friday, 21 July 2023, 9:00:00 AM NZST to Friday, 21 July 2023, 9:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	18	11	64	28	510
D phase	10	12	21	15	150
E phase	5	11	25	17	86
F phase	10	10	20	13	135
Nominal cycle length	1	60	60	60	60
Active cycle length	1	60	60	60	60
Actual cycle	17	29	78	49	834
Signal group 1	17	8	68	25	428
Signal group 2	13	15	76	40	521
Signal group 3	2	5	5	5	10
Signal group 4	9	6	16	10	92
Signal group 5	10	7	17	9	99
Signal group 6	5	6	20	11	59
Signal group 7	10	4	14	9	97
Signal group 8	5	10	25	15	79
Signal group 13	2	7	9	8	16
Pedestrian movement 4	1	184	184	184	184

Friday, 21 July 2023, 9:15:00 AM NZST to Friday, 21 July 2023, 9:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	19	12	47	24	464
D phase	14	12	18	14	206
E phase	3	10	23	15	45
F phase	13	10	16	12	161
Actual cycle	19	23	63	46	876
Signal group 1	19	7	43	20	381
Signal group 2	14	8	98	35	490
Signal group 3	3	6	7	6	19
Signal group 4	11	5	11	7	84
Signal group 5	14	7	13	9	134
Signal group 6	3	4	18	9	29
Signal group 7	14	4	11	8	114
Signal group 8	3	10	20	14	42
Signal group 13	1	8	8	8	8

Friday, 21 July 2023, 9:30:00 AM NZST to Friday, 21 July 2023, 9:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	15	12	101	35	535
D phase	14	12	19	14	198
E phase	2	12	25	18	37
F phase	7	9	13	11	79

Nominal cycle length	2	60	61	60	121
Active cycle length	2	60	61	60	121
Actual cycle	15	25	115	54	824
Signal group 1	14	7	101	32	459
Signal group 2	14	6	96	36	508
Signal group 3	2	5	6	5	11
Signal group 4	6	4	9	6	40
Signal group 5	14	7	15	9	129
Signal group 6	2	5	20	12	25
Signal group 7	14	4	16	9	131
Signal group 8	2	12	25	18	37
Signal group 13	1	9	9	9	9

Friday, 21 July 2023, 9:45:00 AM NZST to Friday, 21 July 2023, 10:00:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	16	12	105	30	488
D phase	13	13	22	15	203
E phase	4	11	22	14	57
F phase	11	10	18	11	130
Actual cycle	16	25	141	54	867
Signal group 1	16	9	110	26	419
Signal group 2	12	12	99	40	486
Signal group 3	3	5	5	5	15
Signal group 4	9	5	13	7	67
Signal group 5	13	8	17	10	138
Signal group 6	4	6	17	9	36
Signal group 7	13	5	16	9	120
Signal group 8	4	6	22	13	52
Signal group 13	1	5	5	5	5

Friday, 21 July 2023, 10:00:00 AM NZST to Friday, 21 July 2023, 10:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	19	10	81	28	549
D phase	14	13	19	14	208
E phase	1	11	11	11	11
F phase	10	10	15	11	115
Actual cycle	19	21	93	45	870
Signal group 1	16	12	76	31	511
Signal group 2	16	6	115	31	506
Signal group 3	5	5	6	5	26
Signal group 4	5	5	11	6	34
Signal group 5	14	7	14	9	138
Signal group 6	1	5	5	5	5
Signal group 7	14	8	13	10	148
Signal group 8	1	11	11	11	11
Signal group 15	1	7	7	7	7

Friday, 21 July 2023, 10:15:00 AM NZST to Friday, 21 July 2023, 10:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	20	12	73	28	561
D phase	15	13	30	14	224
E phase	1	14	14	14	14

F phase	9	10	12	10	96
Actual cycle	19	23	88	46	877
Signal group 1	16	6	67	31	500
Signal group 2	19	6	67	24	460
Signal group 3	8	4	6	5	42
Signal group 4	3	5	7	6	18
Signal group 5	15	8	25	10	151
Signal group 6	1	8	8	8	8
Signal group 7	15	4	27	10	158
Signal group 8	1	11	11	11	11

Friday, 21 July 2023, 10:30:00 AM NZST to Friday, 21 July 2023, 10:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	20	11	49	25	511
D phase	16	12	27	16	268
E phase	1	14	14	14	14
F phase	9	10	13	11	100
Actual cycle	19	27	68	44	848
Signal group 1	17	6	54	25	436
Signal group 2	19	5	59	22	426
Signal group 3	7	4	6	5	35
Signal group 4	5	5	7	6	31
Signal group 5	16	7	22	11	185
Signal group 6	1	8	8	8	8
Signal group 7	16	7	21	12	202
Signal group 8	1	11	11	11	11
Signal group 16	1	7	7	7	7

Friday, 21 July 2023, 10:45:00 AM NZST to Friday, 21 July 2023, 11:00:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	20	12	85	25	504
D phase	16	12	19	14	229
E phase	3	12	15	13	39
F phase	10	10	13	10	107
Actual cycle	20	22	110	43	879
Signal group 1	17	9	81	24	410
Signal group 2	19	6	81	23	445
Signal group 3	5	5	6	5	27
Signal group 4	6	5	8	5	35
Signal group 5	16	7	15	9	148
Signal group 6	3	7	9	7	23
Signal group 7	16	4	16	9	144
Signal group 8	3	12	12	12	36
Signal group 15	1	7	7	7	7
Signal group 16	2	7	7	7	14
Pedestrian movement 1	1	371	371	371	371
Pedestrian movement 2	1	1	1	1	1

Friday, 21 July 2023, 11:00:00 AM NZST to Friday, 21 July 2023, 11:15:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	19	11	46	27	530
D phase	17	12	18	14	245

F phase	9	10	13	10	98
Actual cycle	18	21	69	46	845
Signal group 1	18	6	45	25	457
Signal group 2	18	6	52	26	481
Signal group 3	4	5	5	5	20
Signal group 4	6	5	9	6	36
Signal group 5	18	7	13	9	176
Signal group 7	17	4	14	9	162

Friday, 21 July 2023, 11:15:00 AM NZST to Friday, 21 July 2023, 11:30:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	19	12	77	28	536
D phase	16	12	17	14	231
E phase	2	11	11	11	22
F phase	8	10	15	11	93
Actual cycle	19	25	90	46	882
Signal group 1	18	6	109	24	440
Signal group 2	17	9	72	29	509
Signal group 3	2	4	5	4	9
Signal group 4	7	5	9	7	49
Signal group 5	16	7	12	9	150
Signal group 6	2	5	6	5	11
Signal group 7	16	4	15	9	150
Signal group 8	2	11	11	11	22

Friday, 21 July 2023, 11:30:00 AM NZST to Friday, 21 July 2023, 11:45:00 AM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	18	11	72	26	483
D phase	15	13	23	15	232
E phase	1	24	24	24	24
F phase	10	10	14	11	110
Actual cycle	18	22	85	46	836
Signal group 1	17	5	66	24	411
Signal group 2	17	5	66	23	402
Signal group 3	6	3	6	4	29
Signal group 4	7	4	11	6	43
Signal group 5	15	8	18	10	158
Signal group 6	1	18	18	18	18
Signal group 7	15	4	19	10	160
Signal group 8	1	22	22	22	22
Signal group 13	1	7	7	7	7

Friday, 21 July 2023, 11:45:00 AM NZST to Friday, 21 July 2023, 12:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	21	11	73	24	508
D phase	17	12	19	14	247
E phase	1	10	10	10	10
F phase	10	10	13	11	112
Actual cycle	21	22	86	40	853
Signal group 1	18	5	77	25	456
Signal group 2	21	6	67	20	421
Signal group 3	7	5	7	5	39

Signal group 4	5	5	9	7	35
Signal group 5	17	7	14	9	164
Signal group 6	1	5	5	5	5
Signal group 7	17	5	16	9	169
Signal group 8	1	10	10	10	10

Friday, 21 July 2023, 12:00:00 PM NZST to Friday, 21 July 2023, 12:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	19	12	101	27	513
D phase	17	13	23	15	255
F phase	7	10	12	10	76
Actual cycle	19	23	114	43	831
Signal group 1	18	6	95	24	437
Signal group 2	18	7	95	24	439
Signal group 3	4	5	6	5	21
Signal group 4	4	6	7	6	26
Signal group 5	17	8	18	10	176
Signal group 7	17	5	20	11	193

Friday, 21 July 2023, 12:15:00 PM NZST to Friday, 21 July 2023, 12:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	16	12	119	38	614
D phase	11	13	17	14	155
F phase	8	10	12	10	86
Actual cycle	15	23	132	53	805
Signal group 1	15	6	113	36	547
Signal group 2	12	8	146	50	608
Signal group 3	2	4	6	5	10
Signal group 4	6	5	8	6	37
Signal group 5	11	8	12	9	101
Signal group 7	11	5	14	10	111

Friday, 21 July 2023, 12:30:00 PM NZST to Friday, 21 July 2023, 12:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	19	12	70	28	541
D phase	14	11	27	15	216
F phase	8	10	18	12	100
Actual cycle	19	22	84	44	844
Signal group 1	18	10	64	27	488
Signal group 2	17	6	93	31	543
Signal group 3	3	5	5	5	15
Signal group 4	6	5	13	8	48
Signal group 5	14	6	22	10	145
Signal group 7	14	7	25	11	167
Signal group 14	1	11	11	11	11

Friday, 21 July 2023, 12:45:00 PM NZST to Friday, 21 July 2023, 1:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	18	10	102	28	512
D phase	13	12	23	15	200
F phase	11	10	12	11	125

Actual cycle	18	20	128	45	812
Signal group 1	17	5	118	31	529
Signal group 2	16	5	96	33	541
Signal group 3	6	5	6	5	34
Signal group 4	6	5	7	6	38
Signal group 5	13	7	19	10	134
Signal group 7	13	5	19	11	152

Friday, 21 July 2023, 1:00:00 PM NZST to Friday, 21 July 2023, 1:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	13	16	31	24	324
D phase	13	13	15	13	179
E phase	14	11	34	19	273
F phase	10	10	12	10	109
Nominal cycle length	2	60	62	61	122
Active cycle length	2	60	62	61	122
Actual cycle	13	62	73	65	849
Signal group 1	13	11	31	21	279
Signal group 2	13	11	36	24	312
Signal group 3	3	5	6	5	16
Signal group 4	7	5	7	6	43
Signal group 5	13	8	11	9	117
Signal group 6	14	5	28	14	203
Signal group 7	13	4	7	5	71
Signal group 8	14	6	32	18	255

Friday, 21 July 2023, 1:15:00 PM NZST to Friday, 21 July 2023, 1:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	17	11	83	31	530
D phase	17	11	16	13	232
E phase	3	12	12	12	36
F phase	7	10	13	11	80
Actual cycle	16	22	95	49	784
Signal group 1	16	11	77	28	457
Signal group 2	17	5	77	27	468
Signal group 3	4	4	6	5	20
Signal group 4	5	6	8	6	33
Signal group 5	17	6	11	8	149
Signal group 6	3	6	7	6	20
Signal group 7	17	4	13	8	141
Signal group 8	3	7	12	8	26

Friday, 21 July 2023, 1:30:00 PM NZST to Friday, 21 July 2023, 1:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	18	12	79	30	544
D phase	13	13	25	15	202
E phase	1	11	11	11	11
F phase	9	9	14	10	98
Actual cycle	18	23	94	47	855
Signal group 1	15	11	74	32	494
Signal group 2	15	6	152	30	462
Signal group 3	5	4	5	4	24

Signal group 4	5	4	9	6	32
Signal group 5	13	8	19	10	134
Signal group 6	1	6	6	6	6
Signal group 7	13	5	22	11	143
Signal group 8	1	6	6	6	6

Friday, 21 July 2023, 1:45:00 PM NZST to Friday, 21 July 2023, 2:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	16	13	96	37	603
D phase	14	12	18	14	199
F phase	5	9	11	10	52
Actual cycle	15	24	124	54	820
Signal group 1	16	9	90	33	529
Signal group 2	14	15	90	39	552
Signal group 3	2	5	5	5	10
Signal group 4	3	4	6	5	16
Signal group 5	15	7	15	9	142
Signal group 7	14	5	14	10	144

Friday, 21 July 2023, 2:00:00 PM NZST to Friday, 21 July 2023, 2:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	17	11	78	33	563
D phase	14	12	28	14	208
E phase	3	11	15	12	37
F phase	7	10	14	11	79
Actual cycle	17	21	92	52	887
Signal group 1	15	6	86	33	509
Signal group 2	16	6	73	31	501
Signal group 3	4	5	8	6	25
Signal group 4	4	5	7	6	24
Signal group 5	14	7	22	10	140
Signal group 6	3	5	12	7	23
Signal group 7	14	5	20	10	141
Signal group 8	3	11	15	12	37
Signal group 14	1	10	10	10	10

Friday, 21 July 2023, 2:15:00 PM NZST to Friday, 21 July 2023, 2:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	21	11	55	23	489
D phase	12	13	24	15	188
E phase	1	13	13	13	13
F phase	14	10	15	11	165
Actual cycle	21	22	81	39	829
Signal group 1	17	9	70	26	449
Signal group 2	16	5	114	31	507
Signal group 3	5	5	7	5	29
Signal group 4	9	6	9	7	63
Signal group 5	12	7	18	10	127
Signal group 6	1	7	7	7	7
Signal group 7	12	6	20	11	134
Signal group 8	1	5	5	5	5
Signal group 16	1	8	8	8	8

Pedestrian movement 1	1	825	825	825	825

Friday, 21 July 2023, 2:30:00 PM NZST to Friday, 21 July 2023, 2:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	16	13	78	26	430
D phase	12	14	23	18	216
E phase	2	13	16	14	29
F phase	14	11	16	12	180
Nominal cycle length	5	60	66	62	313
Active cycle length	5	60	66	62	313
Actual cycle	16	29	92	52	840
Signal group 1	15	9	102	27	406
Signal group 2	16	13	115	29	466
Signal group 3	7	5	7	5	41
Signal group 4	11	5	11	8	90
Signal group 5	12	8	19	12	150
Signal group 6	2	7	11	9	18
Signal group 7	12	5	19	10	128
Signal group 8	2	7	13	10	20
Signal group 14	1	6	6	6	6
Signal group 16	1	8	8	8	8
Pedestrian movement 3	1	628	628	628	628

Friday, 21 July 2023, 2:45:00 PM NZST to Friday, 21 July 2023, 3:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	15	11	43	24	368
D phase	13	13	27	20	267
E phase	6	11	24	14	89
F phase	13	11	16	12	157
Nominal cycle length	2	60	62	61	122
Active cycle length	2	60	62	61	122
Actual cycle	15	22	86	55	831
Signal group 1	15	5	38	20	303
Signal group 2	13	11	59	29	380
Signal group 3	6	6	7	6	37
Signal group 4	10	6	10	6	69
Signal group 5	13	8	22	15	201
Signal group 6	6	5	19	9	57
Signal group 7	13	4	25	13	181
Signal group 8	6	5	24	12	74
Signal group 13	1	8	8	8	8
Signal group 14	8	5	10	7	57
Signal group 15	2	7	7	7	14
Signal group 16	5	7	8	7	38
Pedestrian movement 1	5	5	202	80	404
Pedestrian movement 2	1	427	427	427	427
Pedestrian movement 3	7	4	224	67	474

Friday, 21 July 2023, 3:00:00 PM NZST to Friday, 21 July 2023, 3:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	11	25	37	29	324
D phase	12	24	38	29	355

E phase	7	11	24	13	97
F phase	9	11	15	12	112
Nominal cycle length	8	62	112	88	707
Active cycle length	8	62	112	88	707
Actual cycle	10	53	106	79	796
Signal group 1	11	19	37	26	295
Signal group 2	11	19	44	30	337
Signal group 3	3	6	7	6	19
Signal group 4	6	6	9	7	44
Signal group 5	12	18	33	24	290
Signal group 6	7	6	19	8	61
Signal group 7	12	14	30	21	258
Signal group 8	7	6	19	11	82
Signal group 13	1	8	8	8	8
Signal group 14	11	6	11	7	80
Signal group 15	3	7	9	7	23
Signal group 16	8	6	8	7	58
Pedestrian movement 1	7	13	114	59	415
Pedestrian movement 2	3	47	386	188	564
Pedestrian movement 3	10	14	141	41	417

Friday, 21 July 2023, 3:15:00 PM NZST to Friday, 21 July 2023, 3:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	14	20	50	33	475
D phase	11	13	32	22	245
E phase	3	11	17	14	42
F phase	10	10	17	13	134
Nominal cycle length	8	89	117	109	875
Active cycle length	8	89	117	109	875
Actual cycle	13	33	98	66	859
Signal group 1	14	14	44	27	391
Signal group 2	12	14	69	43	519
Signal group 3	2	6	6	6	12
Signal group 4	10	5	12	8	82
Signal group 5	11	9	27	17	194
Signal group 6	2	6	8	7	14
Signal group 7	11	7	25	15	175
Signal group 8	2	11	14	12	25
Signal group 15	1	7	7	7	7
Signal group 16	3	7	9	8	24
Pedestrian movement 1	1	181	181	181	181
Pedestrian movement 2	1	5	5	5	5

Friday, 21 July 2023, 3:30:00 PM NZST to Friday, 21 July 2023, 3:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	14	16	55	30	433
D phase	12	13	32	20	250
E phase	3	13	24	17	51
F phase	10	9	17	11	116
Nominal cycle length	8	60	83	70	563
Active cycle length	8	60	83	70	563
Actual cycle	14	29	81	59	839
Signal group 1	15	9	49	29	444

Signal group 2	15	9	49	27	412
Signal group 3	8	4	7	5	42
Signal group 4	4	5	12	7	31
Signal group 5	12	8	27	16	192
Signal group 6	3	7	17	11	34
Signal group 7	12	5	26	16	192
Signal group 8	3	10	17	12	38
Signal group 13	1	6	6	6	6
Signal group 14	2	6	9	7	15
Pedestrian movement 3	2	145	491	318	636

Friday, 21 July 2023, 3:45:00 PM NZST to Friday, 21 July 2023, 4:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	17	11	53	30	520
D phase	14	12	28	15	220
E phase	2	11	11	11	22
F phase	11	10	15	11	128
Actual cycle	16	32	76	52	845
Signal group 1	17	5	47	24	422
Signal group 2	13	12	82	41	541
Signal group 3	2	5	6	5	11
Signal group 4	12	5	9	6	83
Signal group 5	14	7	23	10	151
Signal group 6	2	5	6	5	11
Signal group 7	14	4	19	9	132
Signal group 8	2	6	11	8	17
Signal group 14	1	7	7	7	7
Signal group 16	1	7	7	7	7

Friday, 21 July 2023, 4:00:00 PM NZST to Friday, 21 July 2023, 4:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	14	16	58	30	426
D phase	12	13	31	19	239
E phase	4	23	25	23	95
F phase	10	9	13	11	114
Nominal cycle length	8	60	78	65	527
Active cycle length	8	60	78	65	527
Actual cycle	13	38	93	64	842
Signal group 1	14	10	54	26	369
Signal group 2	12	17	92	34	411
Signal group 3	3	4	6	4	14
Signal group 4	8	5	8	6	49
Signal group 5	13	8	25	15	198
Signal group 6	4	17	21	18	75
Signal group 7	13	4	27	13	179
Signal group 8	4	18	25	22	89
Signal group 13	4	6	9	7	28
Signal group 14	1	7	7	7	7
Signal group 15	1	7	7	7	7
Signal group 16	2	9	9	9	18
Pedestrian movement 1	1	368	368	368	368
Pedestrian movement 2	1	1	1	1	1
Pedestrian movement 4	3	56	255	145	437

Friday, 21 July 2023, 4:15:00 PM NZST to Friday, 21 July 2023, 4:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	19	12	46	26	505
D phase	16	12	24	17	273
E phase	1	23	23	23	23
F phase	7	11	16	11	82
Nominal cycle length	5	60	84	73	365
Active cycle length	5	60	84	73	365
Actual cycle	18	25	75	46	833
Signal group 1	18	6	41	22	407
Signal group 2	18	9	45	25	467
Signal group 3	1	6	6	6	6
Signal group 4	6	6	10	7	45
Signal group 5	17	7	18	11	202
Signal group 6	1	19	19	19	19
Signal group 7	16	8	16	12	196
Signal group 8	1	23	23	23	23
Signal group 13	1	7	7	7	7
Signal group 14	1	6	6	6	6

Friday, 21 July 2023, 4:30:00 PM NZST to Friday, 21 July 2023, 4:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	14	18	74	32	455
D phase	12	15	34	24	291
E phase	2	13	14	13	27
F phase	10	10	16	11	119
Nominal cycle length	7	62	84	74	520
Active cycle length	7	62	84	74	520
Actual cycle	13	35	89	64	837
Signal group 1	14	12	68	27	385
Signal group 2	13	15	69	37	481
Signal group 3	2	4	5	4	9
Signal group 4	9	6	11	7	67
Signal group 5	12	11	29	19	229
Signal group 6	2	7	9	8	16
Signal group 7	12	9	30	16	201
Signal group 8	2	11	14	12	25
Signal group 14	2	7	9	8	16
Pedestrian movement 3	1	162	162	162	162

Friday, 21 July 2023, 4:45:00 PM NZST to Friday, 21 July 2023, 5:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	14	14	42	31	439
D phase	11	13	46	24	266
E phase	3	11	23	17	51
F phase	10	10	16	12	129
Nominal cycle length	10	60	101	84	840
Active cycle length	10	60	101	84	840
Actual cycle	13	27	101	64	843
Signal group 1	14	7	36	25	355
Signal group 2	13	20	52	36	468

Signal group 3	2	5	6	5	11
Signal group 4	10	6	11	8	83
Signal group 5	11	8	42	19	214
Signal group 6	3	4	17	10	32
Signal group 7	11	4	38	17	192
Signal group 8	3	11	17	13	40
Signal group 13	1	6	6	6	6

Friday, 21 July 2023, 5:00:00 PM NZST to Friday, 21 July 2023, 5:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	17	20	47	30	518
D phase	16	14	27	18	303
F phase	6	9	14	11	71
Actual cycle	16	41	68	51	828
Signal group 1	16	14	70	27	443
Signal group 2	16	14	68	29	472
Signal group 3	2	4	7	5	11
Signal group 4	5	5	11	7	36
Signal group 5	15	9	21	14	212
Signal group 7	16	5	23	14	231
Signal group 14	1	9	9	9	9
Signal group 16	1	8	8	8	8
Pedestrian movement 1	1	4	4	4	4

Friday, 21 July 2023, 5:15:00 PM NZST to Friday, 21 July 2023, 5:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	19	11	53	27	520
D phase	16	13	21	14	236
E phase	1	12	12	12	12
F phase	8	10	19	13	104
Nominal cycle length	7	60	73	64	451
Active cycle length	7	60	73	64	451
Actual cycle	19	23	68	45	872
Signal group 1	18	6	47	24	436
Signal group 2	16	6	71	31	496
Signal group 3	2	5	7	6	12
Signal group 4	6	7	14	8	50
Signal group 5	16	8	17	9	158
Signal group 6	1	7	7	7	7
Signal group 7	16	4	17	9	157
Signal group 8	1	12	12	12	12

Friday, 21 July 2023, 5:30:00 PM NZST to Friday, 21 July 2023, 5:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	18	17	47	30	544
D phase	15	12	24	16	246
F phase	7	11	15	12	87
Nominal cycle length	2	60	62	61	122
Active cycle length	2	60	62	61	122
Actual cycle	17	29	65	48	823
Signal group 1	17	11	43	29	495
Signal group 2	16	14	74	30	489

Signal group 3	4	6	9	7	28
Signal group 4	3	6	10	7	22
Signal group 5	16	7	18	11	182
Signal group 7	15	9	20	12	194

Friday, 21 July 2023, 5:45:00 PM NZST to Friday, 21 July 2023, 6:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	17	19	132	35	596
D phase	12	13	21	15	190
E phase	3	14	23	17	52
F phase	4	11	13	11	46
Nominal cycle length	2	60	62	61	122
Active cycle length	2	60	62	61	122
Actual cycle	17	33	143	52	884
Signal group 1	15	13	161	36	551
Signal group 2	17	13	126	29	494
Signal group 3	4	5	8	6	25
Signal group 5	12	8	16	11	137
Signal group 6	3	8	18	11	35
Signal group 7	12	10	18	12	154
Signal group 8	3	10	20	13	41
Signal group 13	1	7	7	7	7

Friday, 21 July 2023, 6:00:00 PM NZST to Friday, 21 July 2023, 6:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	18	11	148	31	564
D phase	17	12	21	14	253
F phase	5	10	13	11	57
Actual cycle	17	23	162	48	827
Signal group 1	17	5	142	28	483
Signal group 2	18	5	142	27	494
Signal group 3	2	5	6	5	11
Signal group 4	3	7	8	7	22
Signal group 5	18	7	16	10	180
Signal group 7	17	9	15	10	186

Friday, 21 July 2023, 6:15:00 PM NZST to Friday, 21 July 2023, 6:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	17	13	87	36	625
D phase	15	12	16	13	207
E phase	2	11	24	17	35
F phase	2	10	11	10	21
Actual cycle	16	27	102	52	845
Signal group 1	17	7	81	31	535
Signal group 2	16	7	81	33	539
Signal group 3	1	5	5	5	5
Signal group 4	1	6	6	6	6
Signal group 5	16	7	11	8	134
Signal group 6	2	5	18	11	23
Signal group 7	15	4	12	9	148
Signal group 8	2	11	24	17	35
Signal group 13	1	7	7	7	7

Friday, 21 July 2023, 6:30:00 PM NZST to Friday, 21 July 2023, 6:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	16	16	86	38	610
D phase	11	12	17	13	152
E phase	1	11	11	11	11
F phase	6	10	12	11	66
Actual cycle	16	27	97	52	839
Signal group 1	13	14	192	49	641
Signal group 2	16	11	80	37	603
Signal group 3	4	5	6	5	22
Signal group 4	2	5	8	6	13
Signal group 5	11	7	13	9	100
Signal group 6	1	6	6	6	6
Signal group 7	11	4	13	9	103
Signal group 8	1	11	11	11	11
Signal group 15	1	7	7	7	7

Friday, 21 July 2023, 6:45:00 PM NZST to Friday, 21 July 2023, 7:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	9	11	176	70	633
D phase	8	12	15	13	106
F phase	5	9	13	10	53
Actual cycle	9	22	189	85	769
Signal group 1	8	7	179	75	603
Signal group 2	8	5	170	74	597
Signal group 3	4	4	6	5	20
Signal group 4	1	7	7	7	7
Signal group 5	8	7	9	8	65
Signal group 7	8	9	12	10	81

Friday, 21 July 2023, 7:00:00 PM NZST to Friday, 21 July 2023, 7:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	9	11	152	52	472
D phase	7	13	15	13	96
E phase	1	15	15	15	15
F phase	3	11	13	11	35
Actual cycle	9	24	167	67	604
Signal group 1	9	5	189	69	627
Signal group 2	9	13	189	70	636
Signal group 3	1	8	8	8	8
Signal group 4	2	5	7	6	12
Signal group 5	7	7	9	8	57
Signal group 6	1	9	9	9	9
Signal group 7	7	5	12	10	70
Signal group 8	1	12	12	12	12

Friday, 21 July 2023, 7:15:00 PM NZST to Friday, 21 July 2023, 7:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	14	11	119	42	597
D phase	11	12	17	13	152
E phase	4	11	13	12	48

F phase	5	10	12	10	53
Actual cycle	14	27	133	59	837
Signal group 1	14	7	114	42	596
Signal group 2	13	7	114	45	591
Signal group 3	3	5	6	5	16
Signal group 4	2	5	6	5	11
Signal group 5	11	7	12	8	93
Signal group 6	4	5	8	6	26
Signal group 7	11	4	14	9	104
Signal group 8	4	6	13	10	42
Signal group 15	1	7	7	7	7

Friday, 21 July 2023, 7:30:00 PM NZST to Friday, 21 July 2023, 7:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	8	12	260	69	554
D phase	5	12	14	12	64
E phase	1	13	13	13	13
F phase	3	9	10	9	29
Actual cycle	8	22	273	80	647
Signal group 1	5	29	254	105	529
Signal group 2	8	5	254	62	503
Signal group 3	3	4	5	4	14
Signal group 5	5	7	9	8	41
Signal group 6	1	7	7	7	7
Signal group 7	5	9	10	9	48
Signal group 8	1	11	11	11	11

Friday, 21 July 2023, 7:45:00 PM NZST to Friday, 21 July 2023, 8:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	4	11	357	141	564
D phase	4	13	14	13	53
E phase	1	12	12	12	12
F phase	2	11	11	11	22
Actual cycle	4	22	370	156	626
Signal group 1	3	63	351	186	558
Signal group 2	4	5	351	138	552
Signal group 3	1	6	6	6	6
Signal group 4	1	6	6	6	6
Signal group 5	4	8	9	8	34
Signal group 6	1	5	5	5	5
Signal group 7	4	5	9	7	29
Signal group 8	1	12	12	12	12

Friday, 21 July 2023, 8:00:00 PM NZST to Friday, 21 July 2023, 8:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	6	12	398	100	600
D phase	6	13	14	13	79
F phase	1	11	11	11	11
Actual cycle	5	24	411	109	548
Signal group 1	5	6	392	116	582
Signal group 2	6	6	392	94	565
Signal group 3	2	5	5	5	10

Signal group 5	6	8	9	8	50
Signal group 7	6	9	10	9	58

Friday, 21 July 2023, 8:15:00 PM NZST to Friday, 21 July 2023, 8:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	5	54	224	109	546
D phase	5	12	14	13	66
E phase	1	11	11	11	11
F phase	1	13	13	13	13
Actual cycle	5	68	238	127	636
Signal group 1	4	49	219	116	464
Signal group 2	5	49	232	106	532
Signal group 4	1	7	7	7	7
Signal group 5	5	8	10	8	44
Signal group 6	1	6	6	6	6
Signal group 7	5	5	11	8	42
Signal group 8	1	11	11	11	11

Friday, 21 July 2023, 8:30:00 PM NZST to Friday, 21 July 2023, 8:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	7	17	202	87	609
D phase	6	13	14	13	79
F phase	2	10	12	11	22
Actual cycle	7	28	214	99	697
Signal group 1	6	11	196	92	557
Signal group 2	6	11	225	97	586
Signal group 3	1	6	6	6	6
Signal group 4	1	7	7	7	7
Signal group 5	6	8	9	8	49
Signal group 7	6	9	10	9	56

Friday, 21 July 2023, 8:45:00 PM NZST to Friday, 21 July 2023, 9:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	4	12	154	85	340
D phase	4	13	17	14	56
F phase	2	10	10	10	20
Actual cycle	4	22	177	100	403
Signal group 1	4	7	149	79	318
Signal group 2	3	84	149	107	321
Signal group 4	2	5	5	5	10
Signal group 5	4	8	12	9	36
Signal group 7	4	4	12	8	34

Friday, 21 July 2023, 9:00:00 PM NZST to Friday, 21 July 2023, 9:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	6	13	242	100	602
D phase	6	12	14	12	77
F phase	3	10	11	10	31
Actual cycle	6	23	254	114	685
Signal group 1	5	15	236	116	581
Signal group 2	6	6	236	95	575

Signal group 3	2	5	5	5	10
Signal group 4	1	5	5	5	5
Signal group 5	6	7	8	7	46
Signal group 7	6	4	11	9	55

Friday, 21 July 2023, 9:15:00 PM NZST to Friday, 21 July 2023, 9:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	2	11	378	194	389
D phase	2	14	14	14	28
F phase	1	10	10	10	10
Actual cycle	2	21	392	206	413
Signal group 1	1	393	393	393	393
Signal group 2	2	5	372	188	377
Signal group 3	1	6	6	6	6
Signal group 5	2	8	8	8	16
Signal group 7	2	10	11	10	21

Friday, 21 July 2023, 9:30:00 PM NZST to Friday, 21 July 2023, 9:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	2	286	325	305	611
D phase	3	13	20	15	46
E phase	1	11	11	11	11
Actual cycle	2	310	345	327	655
Signal group 1	2	281	320	300	601
Signal group 2	2	281	320	300	601
Signal group 5	3	8	15	10	31
Signal group 6	1	5	5	5	5
Signal group 7	3	5	16	10	31
Signal group 8	1	11	11	11	11

Friday, 21 July 2023, 9:45:00 PM NZST to Friday, 21 July 2023, 10:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
D phase	1	13	13	13	13
Signal group 5	1	9	9	9	9
Signal group 7	1	10	10	10	10

Friday, 21 July 2023, 10:00:00 PM NZST to Friday, 21 July 2023, 10:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	5	50	155	84	423
D phase	4	13	14	13	53
E phase	2	11	12	11	23
F phase	4	10	15	11	47
Actual cycle	5	74	180	107	536
Signal group 1	3	44	149	92	278
Signal group 2	5	44	149	79	395
Signal group 3	4	5	11	7	29
Signal group 4	1	6	6	6	6
Signal group 5	4	8	9	8	33
Signal group 6	2	6	8	7	14
Signal group 7	4	5	10	6	25
Signal group 8	2	11	12	11	23

Friday, 21 July 2023, 10:15:00 PM NZST to Friday, 21 July 2023, 10:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
D phase	1	13	13	13	13
Signal group 5	1	9	9	9	9
Signal group 7	1	9	9	9	9

Friday, 21 July 2023, 10:30:00 PM NZST to Friday, 21 July 2023, 10:45:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	9	10	228	57	515
D phase	8	13	16	14	113
F phase	3	10	12	11	33
Actual cycle	9	22	241	71	647
Signal group 1	7	12	223	71	500
Signal group 2	9	4	223	51	465
Signal group 3	3	5	6	5	17
Signal group 4	1	5	5	5	5
Signal group 5	8	8	11	9	72
Signal group 7	8	7	13	10	80

Friday, 21 July 2023, 10:45:00 PM NZST to Friday, 21 July 2023, 11:00:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	2	9	177	93	186
D phase	3	13	15	14	42
E phase	2	11	11	11	22
Actual cycle	2	23	201	112	224
Signal group 1	2	3	171	87	174
Signal group 2	2	3	171	87	174
Signal group 5	3	8	9	8	25
Signal group 6	2	3	5	4	8
Signal group 7	3	4	10	6	18
Signal group 8	2	11	11	11	22

Friday, 21 July 2023, 11:00:00 PM NZST to Friday, 21 July 2023, 11:15:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	3	13	379	177	531
D phase	3	12	13	12	38
F phase	1	12	12	12	12
Actual cycle	2	152	391	271	543
Signal group 1	3	7	372	170	512
Signal group 2	3	7	384	174	524
Signal group 4	1	6	6	6	6
Signal group 5	3	7	9	8	24
Signal group 7	3	5	10	8	25

Friday, 21 July 2023, 11:15:00 PM NZST to Friday, 21 July 2023, 11:30:00 PM NZST:

Data item	Frequency	Minimum	Maximum	Average	Total
A phase	3	31	575	246	738
D phase	2	14	14	14	28
F phase	2	9	10	9	19
Actual cycle	3	45	598	261	785

Signal group 1	2	25	711	368	736
Signal group 2	3	25	569	240	720
Signal group 3	2	5	5	5	10
Signal group 5	2	8	8	8	16
Signal group 7	2	11	11	11	22

Friday, 21 July 2023, 11:45:00 PM NZST to Saturday, 22 July 2023, 12:00:00 AM NZST:

Data item	**Frequency**	**Minimum**	**Maximum**	**Average**	**Total**
A phase	2	104	309	206	413
D phase	1	13	13	13	13
E phase	1	12	12	12	12
F phase	1	10	10	10	10
Actual cycle	2	127	309	218	436
Signal group 1	2	98	320	209	418
Signal group 2	2	98	310	204	408
Signal group 3	1	5	5	5	5
Signal group 5	1	8	8	8	8
Signal group 6	1	7	7	7	7
Signal group 7	1	9	9	9	9
Signal group 8	1	9	9	9	9

Appendix 2
CAS Crash Records

Appendix 2: CAS Crash Records

CODED CRASH ID	1348355	1223241	1283701	1237549
Crash road	Hobsonville Road	Hobsonville Road	Hobsonville Road	Hobsonville Road
Distance				36
Direction	I	I	I	N
Side road	Westpark Drive	Westpark Drive	Westpark Drive	Westpark Drive
Easting	1745617	1745620	1745612	1745631
Northing	5924652	5924660	5924640	5924693
Longitude	174.63254	174.632562	174.632486	174.632682
Latitude	-36.812781	-36.812714	-36.812897	-36.812411
ID	2023258594	201985107	2021205519	2020153885
Date	3-Jun-23	12-Nov-19	17-Nov-21	2-Jun-20
Day of week	Sat	Tue	Wed	Tue
Time	2:50	18:30	8:30	9:00
Description of events	Car/Wagon1 NDB on Hobsonville Road lost control turning left; went off road to right, Car/Wagon1 hit power pole	SUV2 turning right hit by oncoming Car/Wagon1 SDB on Hobsonville Road, West Harbour, Auckland	Motorcycle1 NDB on Hobsonville Road lost control turning right but did not leave the road	Car/Wagon1 NDB on Hobsonville Road lost control; went off road to right, Car/Wagon1 hit parked (unattended) vehicle
Crash factors	Car/Wagon1, alcohol suspected, swung wide at intersection	Suv2, failed to give way turning to non-turning traffic, misjudged another vehicle	Motorcycle1, alcohol test below limit, lost control under braking, ENV: slippery road due to rain	Car/Wagon1, too far right
Surface condition	Dry	Dry	Wet	Dry
Natural light	Dark	Bright sun	Bright sun	Bright sun
Weather	Light rain	Fine	Fine	Fine
Junction	Crossroads	T Junction	T Junction	Nil (Default)
Control	Traffic Signals	Stop	Traffic Signals	Nil
Casualty count fatal	0	0	0	0
Casualty count serious	0	0	0	0
Casualty count minor	1	0	1	0
Social Cost $(m)	0.11	0.03	0.11	0.05

Source: CAS Plain English report

Appendix 3
Plans & Policy

Plans & Policy

National Policy Statement on Urban Development (NPS-UD)

The National Policy Statement on Urban Development (NPS-UD) applies to all local authorities with an urban area within its boundaries. The NPS-UD objectives include the following:

- New Zealand has well-functioning urban environments that enable all people and communities to provide for their social, economic, and cultural wellbeing, and for their health and safety, now and into the future.
- Planning decisions improve housing affordability by supporting competitive land and development markets.
- Regional policy statements and district plans enable more people to live in, and more businesses and community services to be located in, areas of an urban environment in which one or more of the following apply:
  - the area is in or near a centre zone or other area with many employment opportunities
  - the area is well-serviced by existing or planned public transport
  - there is high demand for housing or for business land in the area, relative to other areas within the urban environment.
- New Zealand's urban environments, including their amenity values, develop and change over time in response to the diverse and changing needs of people, communities, and future generations.
- Planning decisions relating to urban environments, and FDSs, consider the principles of the Treaty of Waitangi (Te Tiriti o Waitangi).
- Local authority decisions on urban development that affect urban environments are:
  - integrated with infrastructure planning and funding decisions; and
  - strategic over the medium term and long term; and
  - responsive, particularly in relation to proposals that would supply significant development capacity.
- Local authorities have robust and frequently updated information about their urban environments and use it to inform planning decisions.
- New Zealand's urban environments:
  - support reductions in greenhouse gas emissions; and
  - are resilient to the current and future effects of climate change.

Government Policy Statement on Land Transport (GPS)

The Government Policy Statement on land transport (GPS) sets the Government's priorities for land transport investment over the next 10-year period (2024/25-2033/34). The strategic priorities for the draft GPS 2024 are:

- Maintaining and operating the system – The condition of the existing transport system is efficiently maintained at a level that meets the current and future needs of users.
- Increasing resilience – The transport system is better able to cope with natural and anthropogenic hazards.
- Reducing emissions – Transitioning to a lower carbon transport system.
- Safety – Transport is made substantially safer for all.
- Integrated freight system – Well-designed and operated transport corridors and hubs that provide efficient, reliable, resilient, multi-modal, and low-carbon connections to support productive economic activity.
- Sustainable urban and regional development – People can readily and reliably access social, cultural, and economic opportunities through a variety of transport options. Sustainable urban and regional development is focused on increasing housing supply, choice and affordability, and developing resilient and productive towns and cities through effective

transport networks that provide a range of low-emission transport options and low congestion.

The draft GPS 2024 strategic priorities place greater emphasis on making better use of the existing infrastructure, seeks multi-outcomes where possible, increasing the resilience of the transport system and increasing access to housing supply. The final GPS 2024 is due to come into effect from 1 July 2024.

National Land Transport Programme (NLTP)

The National Land Transport Programme (NLTP) is a three-year programme of planned activities and a 10-year forecast of revenue and expenditure prepared by Waka Kotahi NZ Transport Agency (Waka Kotahi) to give effect to the GPS. New investment above this base will be strongly driven by the strategic priorities.

Regional Land Transport Plan (RLTP)

The Regional Land Transport Plan (RLTP) forms part of the NLTP and represents the combined intentions of Auckland Transport, Waka Kotahi and KiwiRail. It sets out a programme of transport improvements for Auckland that will make real progress towards reducing congestion, improving freight reliability, and increasing the attractiveness of public transport. It will encourage a move away from single-occupant vehicles as the dominant mode of travel, enabling public transport, walking and cycling to play a significant role in the transport system.

The RLTP outlines 'Auckland's transport challenges' that will become more prominent with rapid population growth and how these will be overcome. The Auckland Plan, further addresses the challenge of growth as it relates to transport and access.

Regional Public Transport Plan (RPTP)

The draft Regional Public Transport Plan 2023-2031 (RPTP) outlines Auckland Transport's proposals for Auckland's public transport system over the next 8-years. The vision of the RPTP is *to massively increase public transport use to reduce congestion, improve access for Aucklanders, support the economy and enhance the environment.*

The plan related to Hobsonville Grove is summarised in Section 3 Future Transport Environment of the ITA.

The Auckland Plan

The Auckland Plan is a long-term spatial plan for Auckland's growth and development looking ahead to 2050. It considers how Auckland will address key challenges of high population growth, shared prosperity, and environmental degradation. 'Transport and Access' forms one of six outcomes of the Auckland Plan 2050. The Auckland Plan strategic directions and focus area for the 'Transport and Access' outcomes are set out in the following figure.

Direction 1: Maximise safety, environmental protection and emissions reduction

Direction 2: Better connect peopl places, goods and services

Direction 3: Increase genuine trav choices for a healthy, vibrant and equitable Auckland

WHERE WE NEED TO FOCUS OUR EFFORTS

Focus area 1: Make better use of existing transport networks

Focus area 2: Target new transpor investment to the most significan challenges

Focus area 3: Maximise the benefits from transport technolog

Focus area 4: Make walking, cycli and public transport preferred choices for many more Aucklanders

Focus area 5: Better integrate lan use and transport

Focus area 6: Move to a safe transport network free from deat and serious injury

Focus area 7: Develop a sustainab and resilient transport system

The Auckland Plan 2050 outlines that transport and access can be improved, by:

- An integrated strategy, with a focus on:
  - getting much more out of existing infrastructure
  - maximising new opportunities to influence travel demand
  - ensuring investment is targeted to the greatest challenges
- Rapidly lowering transport emissions:
  - reduce dominance of cars and increase trips by walking, cycling and public transport
  - reduce or shorten trips that are powered by fossil fuels, where possible and appropriate
  - promote mixed-use development and prioritise low-carbon transport options
- Increased funding:
  - funding is prioritised by need rather than transport mode
  - the cost of projects is allocated fairly and consistently between central government, Auckland Council and the private sector

Auckland Transport Alignment Project (ATAP)

In 2015, the Government and Auckland Council joined up to address joint challenges and ensure the opportunities of a growing and diverse city are maximised. This strategic approach to transport was agreed through the Auckland Transport Alignment Project (ATAP). The ATAP includes a cross-agency partnership including the Ministry of Transport, Waka Kotahi (NZ Transport Agency), KiwiRail, the Treasury, Auckland Council, Auckland Transport and State Services Commission.

The ATAP takes direction from the Government Policy Statement on land transport, the New Zealand Rail Plan and Auckland Plan and any other key strategic documents from the partner agencies.

The partnership has delivered a series of strategic reports and develops an indicative package of transport investments for Auckland (the ATAP package) every three years. This package informs statutory processes including the National Land Transport Programme and Auckland's Regional Land Transport Plan.

In August 2023 the priorities for the regionally and nationally significant activities in 2024-2027 were revealed. For Auckland the following statements were made:

"Auckland's transport network faces a range of challenges which both the Minister and I agree will require legislative change and a more integrated partnership approach to decision-making across central and local government."

"We've agreed rapid transit is essential for the Auckland region and is a core priority for the Auckland Integrated Transport Plan. That includes speeding up buses, making the best of rapid transit projects that are underway and planning the next phase of the rapid transit network, including light rail."

"The Government will prioritise work on Northwest Rapid Transit, and we have agreed that further planning and investigation of the Airport to Botany rapid transit corridor is required."

The other key priorities for the Auckland Integrated Transport Plan 2024-27 announced include:

- **Optimising the existing network** - by working together to implement time of use charging to replace the Auckland Regional Fuel Tax, implementing dynamic bus lanes on key arterial routes to make buses faster and more reliable and reducing traffic management-related costs.
- **Building resilience into Auckland's Transport system** – by funding maintenance and renewals at a sustainable rate to improve the condition of the road network and working together to align the Making Space for Water programme and transport investments.
- **Identifying efficiencies and reprioritisation options** - by ensuring low-cost transport solutions are fully examined before expensive programmes are agreed to, acknowledging that appropriate maintenance of the road surface is a road safety issue and examining funding for road safety to ensure they are delivering a reduction in deaths while meeting community expectations.
- **Completing and maximising the benefits of current projects** - by supporting removal of level crossings required for the City Rail Link to meet its potential and the completion of extensions to the Eastern Busway.
- **Plan for the Port of Auckland to consolidate and move from its current location** – by progressing planning work on key projects that allow increased used of rail freight between Auckland & adjoining regions, including the rail line from Avondale to Southdown, and time of use charging to support moving trucks to off-peak times.

Vision Zero for Tāmaki-Makaurau

Vision Zero is an ethics-based transport safety approach which places responsibility on people who design and operate the transport system to provide a safe system – shifting the thinking from efficiency to that of prioritising safety.

In 2019, Auckland Transport adopted Vision Zero naming Tāmaki-Makaurau Auckland a Vision Zero region with an ambitious target of no deaths or serious injuries on our transport system by 2050.

The Vision Zero principles are illustrated below.

The Vision Zero approach is incorporated into plans and policy at the national and regional level, as highlighted below and therefore provides guidance where the transport network is being altered or upgrade to ensure it can achieve a Vision Zero aim.

Auckland Transport – Roads and Streets Framework

The Roads and Streets Framework (RASF) is a first step strategic planning tool to guide the future planning and development of Auckland's roads, streets and placed. It is an application of strategy and takes a holistic and contextual view of roads and streets and the role they play alongside land use by considering their relative 'Place' and 'Movement' functions and significance.

The RASF informs the Transport Design Manual. Both documents, when applied together, will provide guidance to internal staff (e.g., Council family project teams) and external parties (e.g., Government agencies, consultants and developers) about Auckland Transport's requirements for the planning, design, construction and management of the road and street network and the vesting of assets that will be managed by Auckland Transport.

The GPS, the ATAP and the Auckland Plan feed into the RASF providing strategic direction. In turn, the RASF provides the vision for streets, identifying their guiding principles and modal priorities. It forms a core part of the project delivery lifecycle, guiding business case development, Auckland's Network Operating Plan and the Transport Design Manual (TDM).

Auckland Climate Plan

Te Tāruke-ā-Tāwhiri: Auckland's Climate Plan sets out the priority action areas to deliver our goals to reduce emissions and adapt to the impacts of climate change. To reduce emissions, it is identified in the Auckland Climate Plan the need to change our travel options by:

- Encourage the use of public transport, walking and micro-mobility devices, rather than driving.
- Shorten private vehicle trips, and fulfil several travel needs at once including for business purposes.
- Choose lower emissions vehicles when purchasing, sharing or leading.
- Reduce private vehicle travel and encourage lower emissions travel options by introducing pricing and parking measures.

The following targets are outlined in the Auckland Climate Plan to help achieve the overall emission reduction goals:

- An increase in public transport mode-share from 7.8% to 24.5% by 2030 and to 35% by 2050
- An increase in cycle mode-share from 0.9% to 7% by 2030 and to 9% by 2050
- An increase in walking mode-share from 4.1% to 6% by 2030 and to 9% by 2050.

Such targets are expected to correlate in a reduction in vehicle kilometres travelled by private vehicles by 12%, as a result of avoided motorised vehicle travel, through actions such as remote working and reduced trip lengths.

Auckland's Transport Emissions Reduction Pathway (TERP) sets out how transport in Auckland can give effect to Auckland's Climate Plan.

Transport Emissions Reduction Pathway (TERP)

The TERP gives effect to Te Tāruke-ā-Tāwhiri's (Auckland's Climate Plan) target to halve Auckland's regional emissions by 2030 (against a 2016 baseline). It sets out:

- what needs to happen to reduce Auckland's transport emissions by 64 per cent by 2030
- what it will look like when we get there
- to identify the potential barriers to achieving it.

The transformation required is highlighted as the following:

- Reduce reliance on cars and support people to walk, cycle and use public transport
    1. Supercharge walking and cycling
    2. Massively increase public transport patronage
    3. Prioritise and resource sustainable transport

4. Reduce travel where possible and appropriate
5. Safe, low-traffic neighbourhoods for people
6. Build up not out

- Rapidly adopt low-emissions vehicles
  7. Electrify private vehicles
  8. Enable new transport devices
- Begin work now to decarbonise heavy transport and freight
  9. Low-emissions public transport
  10. Efficient freight and services
- Empower Aucklanders to make sustainable transport choices
  11. Empower Aucklanders to make sustainable transport choices

Implementing the pathway is proposed by:

1. Actions to transform the transport system
2. Creating a supportive transport planning system
3. Integrating the TERP into the planning system

Draft Kotoa, Ka Ora: Auckland Speed Management Plan

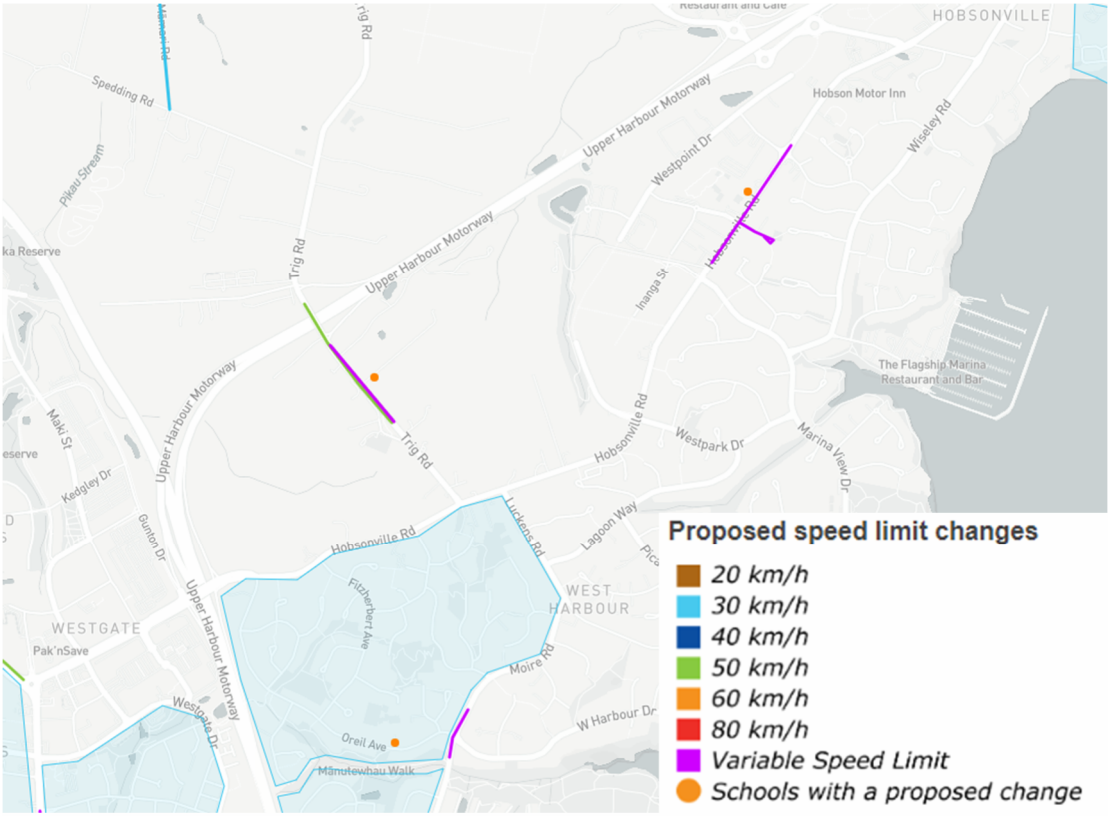
Auckland Transport takes a holistic approach, a Safe System approach, to improving road safety. Safe speeds, although just one piece of the puzzle, protect the people we love, and allow families to lead active, healthy lives. So far, Auckland Transport have created safe speeds on over a third of Auckland's road network, by kilometre of road. On 30 May 2023, the Auckland Regional Transport Committee adopted the draft version of draft Kotoa, Ka Ora: Auckland speed management plan 2024-2027 for public consultation.

The draft Katoa, Ka Ora document proposes safe speeds for:

- School zones so children feel safer walking to school
- Safe neighbourhood zones so everyone is safe on roads around their home
- Safe rural areas so country people are safe on rural roads.

This is approximately another quarter of the roading network, by kilometre of road, across the Auckland region. This equates to permanent speed changes for just over 1800 km of roads, and variable speed change proposals for 196km of roads.

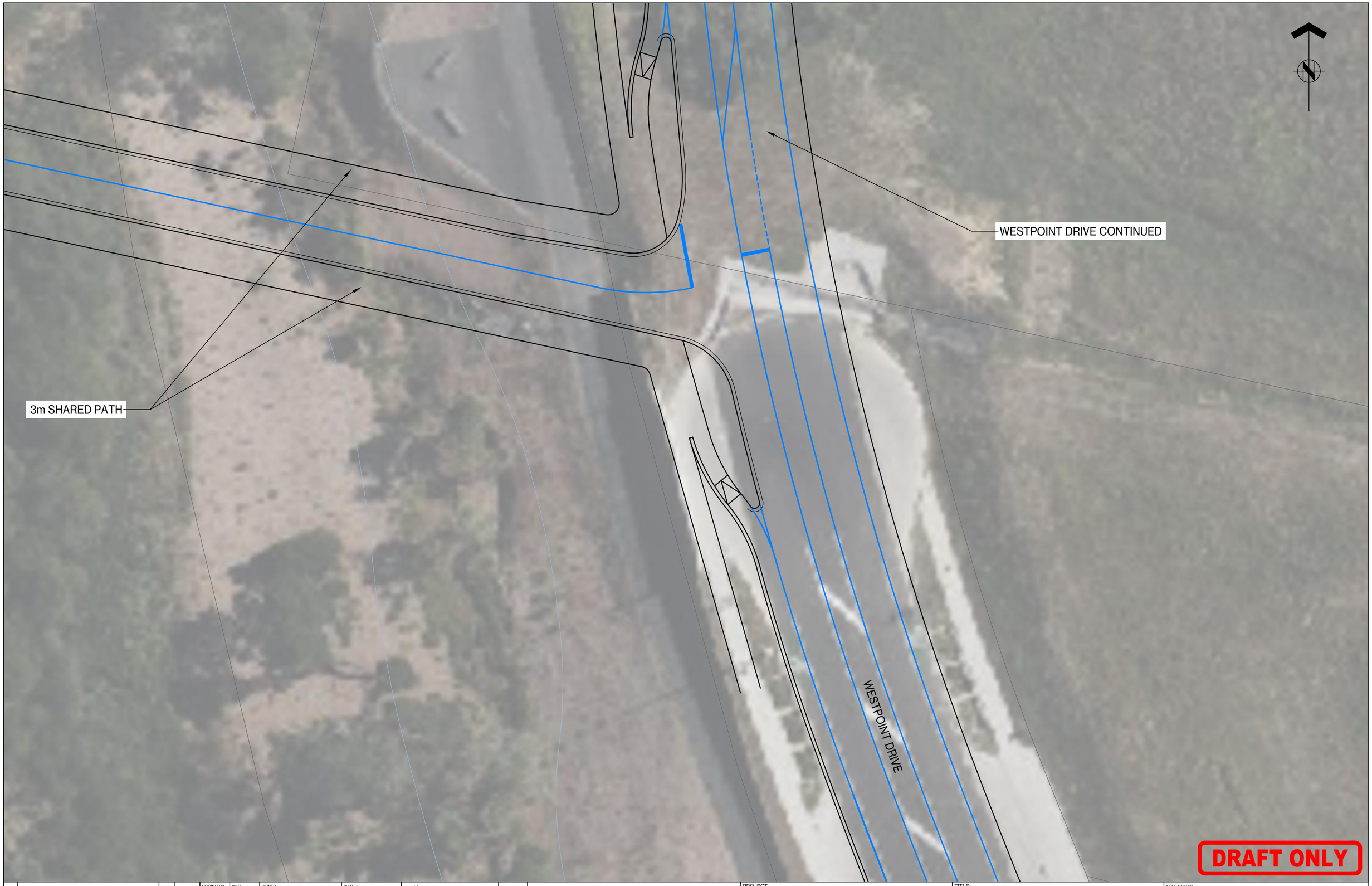
The speed changes proposed for West Harbour is shown in the following figure.



SOURCE – KATOA, KA ORA, INTERACTIVE MAP OF PROPOSED CHANGES

It is considered there are no issues with Auckland Transport achieving the proposed speed limit changes in the West Harbour and Hobsonville neighbourhoods.

Appendix 4
Bridge/Westpoint Drive Intersection Concept Design



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				CHECKED: RK	DATE: 09.04.24	SIGNED:	SURVEY BY:			
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PROJECT:
AUSTINO BLOCK TWO
CONCEPT DESIGN

TITLE:
INTERSECTION LAYOUT

ISSUE STATUS: DRAFT

PROJECT No:

SCALES: 1:150 - A1
1:300 - A3

A1

DRAWING No: A2212330.03-HG-XX-SK-D-SK01

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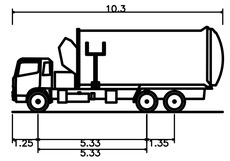
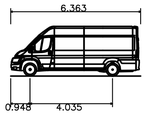


AT Check Vehicle – 10.3m – Rubbish Truck – Rear Steer

Overall Length	10.300m
Overall Width	2.550m
Overall Body Height	4.163m
Min Body Ground Clearance	0.443m
Track Width	2.550m
Lock-to-lock time	6.00s
Max Steering Angle (Virtual)	47.00°



AT Design Vehicle – 6.3m – Delivery Van

Overall Length	6.363m
Overall Width	2.050m
Overall Body Height	2.432m
Min Body Ground Clearance	0.206m
Max Track Width	1.810m
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	7.200m

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PROJECT:
AUSTINO BLOCK TWO
CONCEPT DESIGN

TITLE:
VEHICLE TRACKING PLAN
SHEET 1 OF 1

ISSUE STATUS: DRAFT

PROJECT No:

SCALES: 1:150 - A1
1:300 - A3

A1

DRAWING No: A2212330.03-HG-XX-SK-D-SK02

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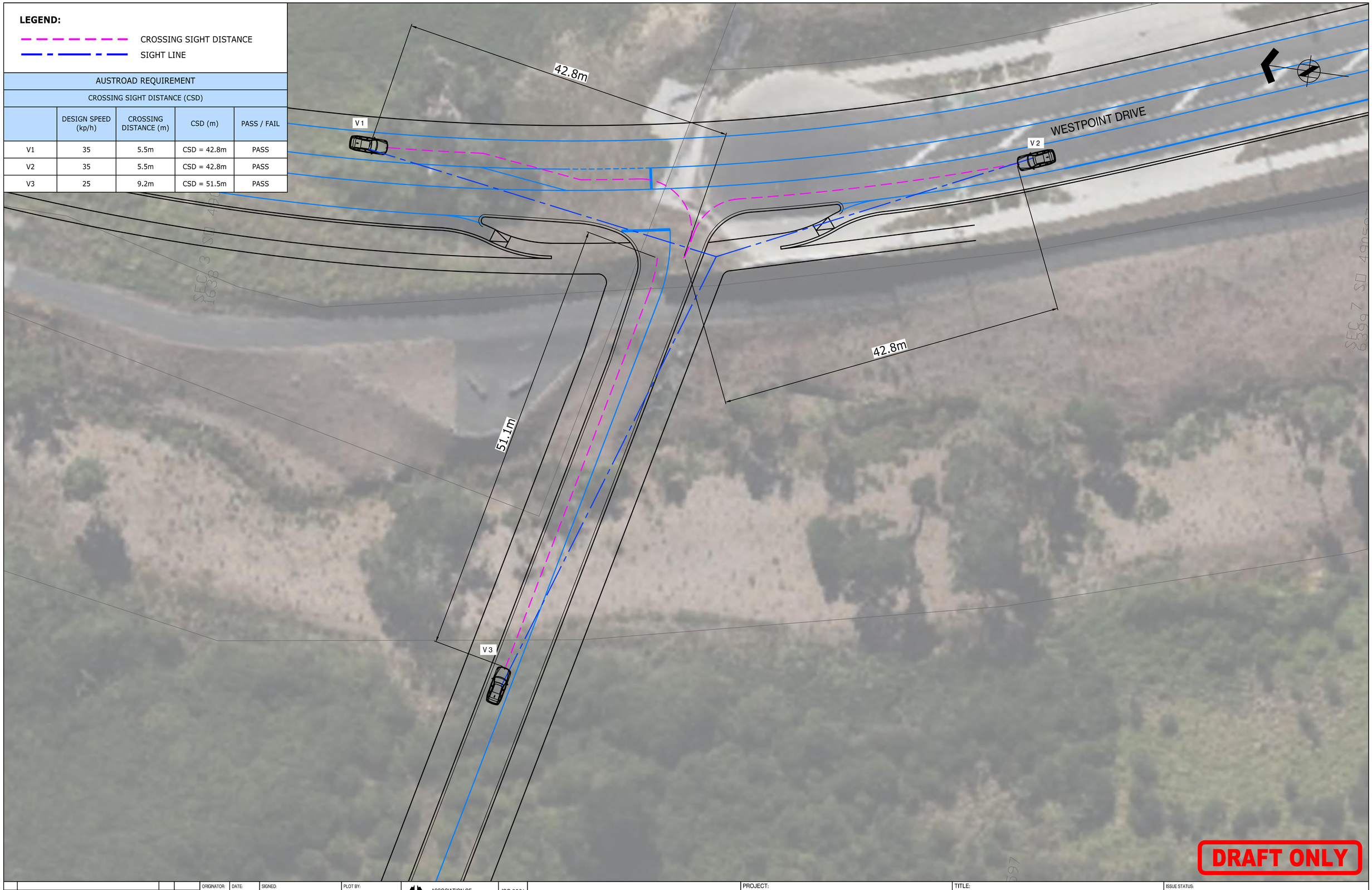
LEGEND:

CROSSING SIGHT DISTANCE

SIGHT LINE

AUSTROAD REQUIREMENT				
CROSSING SIGHT DISTANCE (CSD)				
	DESIGN SPEED (kp/h)	CROSSING DISTANCE (m)	CSD (m)	PASS / FAIL
V1	35	5.5m	CSD = 42.8m	PASS
V2	35	5.5m	CSD = 42.8m	PASS
V3	25	9.2m	CSD = 51.5m	PASS



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PROJECT:
AUSTINO BLOCK TWO
CONCEPT DESIGN

TITLE:
VISIBILITY PLAN
CROSSING SIGHT DISTANCE
SHEET 1 OF 3

ISSUE STATUS: DRAFT

PROJECT No:

SCALES: 1:200 - A1, 1:400 - A3

A1

DRAWING No: A2212330.03-HG-XX-SK-D-SK03

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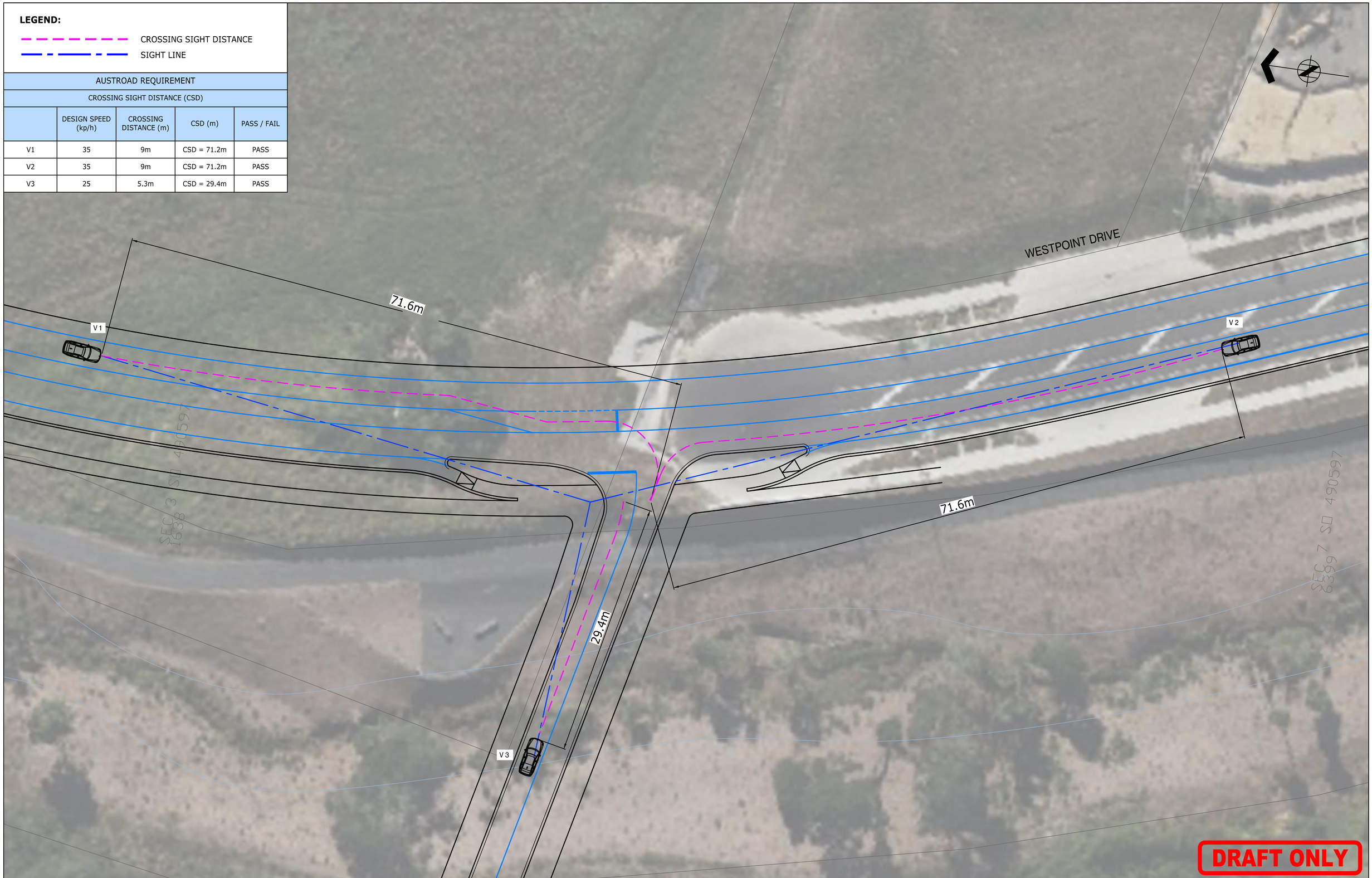
LEGEND:

CROSSING SIGHT DISTANCE

SIGHT LINE

AUSTROAD REQUIREMENT				
CROSSING SIGHT DISTANCE (CSD)				
	DESIGN SPEED (kp/h)	CROSSING DISTANCE (m)	CSD (m)	PASS / FAIL
V1	35	9m	CSD = 71.2m	PASS
V2	35	9m	CSD = 71.2m	PASS
V3	25	5.3m	CSD = 29.4m	PASS



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PROJECT:
AUSTINO BLOCK TWO
CONCEPT DESIGN

TITLE:
VISIBILITY PLAN
CROSSING SIGHT DISTANCE
SHEET 2 OF 3

ISSUE STATUS: DRAFT

PROJECT No:

SCALES: 1:200 - A1
1:400 - A3

A1

DRAWING No: A2212330.03-HG-XX-SK-D-SK04

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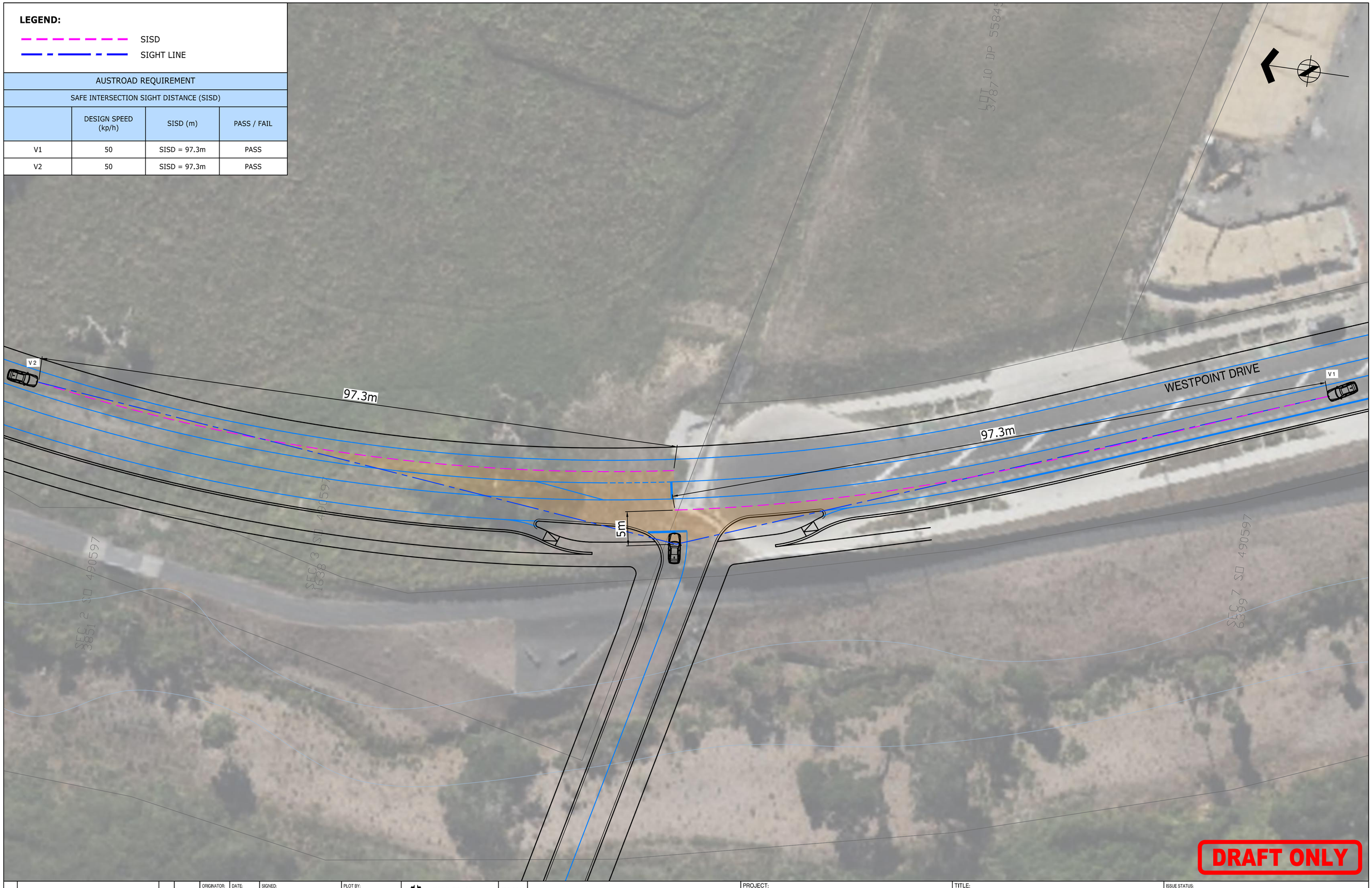
LEGEND:

SISD

SIGHT LINE

AUSTROAD REQUIREMENT			
SAFE INTERSECTION SIGHT DISTANCE (SISD)			
	DESIGN SPEED (kp/h)	SISD (m)	PASS / FAIL
V1	50	SISD = 97.3m	PASS
V2	50	SISD = 97.3m	PASS



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PROJECT:

AUSTINO BLOCK TWO
CONCEPT DESIGN

TITLE:

VISIBILITY PLAN
SAFE INTERSECTION SIGHT DISTANCE
SHEET 3 OF 3

ISSUE STATUS: DRAFT

PROJECT No: A22123303.03

SCALES: 1:250 - A1, 1:500 - A3

A1

DRAWING No: A2212330.03-HG-XX-SK-D-SK05

REV 1

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Appendix 5
SIDRA Model Outputs

MOVEMENT SUMMARY

Site: 101 [Hobsonville/Westpark 2023 AM (No Development) (Site Folder: General)]

New Site
Site Category: (None)
Signals - EQUISAT (Fixed-Time/SCATS) Isolated Cycle Time = 62 seconds (Site Optimum Cycle Time - Minimum Delay)

Vehicle Movement Performance

Mov ID	Turn	INPUT VOLUMES [Total veh/h	HV] %	DEMAND FLOWS [Total veh/h	HV] %	Deg. Satn v/c	Aver. Delay sec	Level of Service	95% BACK OF QUEUE [Veh. veh	Dist] m	Prop. Que	Effective Stop Rate	Aver. No. Cycles	Aver. Speed km/h
South: Hobsonville Road South														
1	L2	7	4.0	7	4.0	0.628	18.6	LOS B	13.1	94.7	0.81	0.72	0.81	41.5
2	T1	529	4.0	557	4.0	0.628	14.0	LOS B	13.1	94.7	0.81	0.72	0.81	41.9
3	R2	51	4.0	54	4.0	*0.307	34.9	LOS C	1.6	11.8	0.97	0.74	0.97	33.5
Approach		587	4.0	618	4.0	0.628	15.9	LOS B	13.1	94.7	0.83	0.72	0.83	41.0
East: Westpark Drive East														
4	L2	120	4.0	126	4.0	0.241	23.1	LOS C	3.0	21.6	0.80	0.75	0.80	37.7
5	T1	8	4.0	8	4.0	0.143	26.1	LOS C	1.0	7.6	0.91	0.71	0.91	35.6
6	R2	28	4.0	29	4.0	0.143	30.7	LOS C	1.0	7.6	0.91	0.71	0.91	35.2
Approach		156	4.0	164	4.0	0.241	24.6	LOS C	3.0	21.6	0.83	0.74	0.83	37.1
North: Hobsonville Road North														
7	L2	1	4.0	1	4.0	*0.651	20.1	LOS C	13.9	100.8	0.83	0.74	0.83	40.9
8	T1	555	4.0	584	4.0	*0.651	15.5	LOS B	13.9	100.8	0.83	0.74	0.83	41.2
9	R2	7	4.0	7	4.0	0.042	33.4	LOS C	0.2	1.5	0.93	0.65	0.93	34.0
Approach		563	4.0	593	4.0	0.651	15.7	LOS B	13.9	100.8	0.83	0.74	0.83	41.1
West: Westpoint Drive West														
10	L2	6	4.0	6	4.0	0.016	17.2	LOS B	0.1	0.8	0.81	0.63	0.81	40.1
11	T1	8	4.0	8	4.0	*0.050	27.6	LOS C	0.3	2.1	0.92	0.63	0.92	36.0
12	R2	2	4.0	2	4.0	0.050	32.2	LOS C	0.3	2.1	0.92	0.63	0.92	35.6
Approach		16	4.0	17	4.0	0.050	24.3	LOS C	0.3	2.1	0.88	0.63	0.88	37.4
All Vehicles		1322	4.0	1392	4.0	0.651	16.9	LOS B	13.9	100.8	0.83	0.73	0.83	40.5

Site Level of Service (LOS) Method: Delay (SIDRA). Site LOS Method is specified in the Parameter Settings dialog (Site tab).
Vehicle movement LOS values are based on average delay per movement.
Intersection and Approach LOS values are based on average delay for all vehicle movements.
Delay Model: SIDRA Standard (Geometric Delay is included).
Queue Model: SIDRA Standard.
Gap-Acceptance Capacity: SIDRA Standard (Akçelik M3D).
HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

* Critical Movement (Signal Timing)

Pedestrian Movement Performance

Mov ID	Crossing	Input Vol. ped/h	Dem. Flow ped/h	Aver. Delay sec	Level of Service	AVERAGE BACK OF QUEUE [Ped ped	Dist] m	Prop. Que	Effective Stop Rate	Travel Time sec	Travel Dist. m	Aver. Speed m/sec
South: Hobsonville Road South												
P1	Full	50	53	25.3	LOS C	0.1	0.1	0.91	0.91	189.0	212.8	1.13
East: Westpark Drive East												
P2	Full	50	53	25.3	LOS C	0.1	0.1	0.91	0.91	188.3	211.9	1.13

North: Hobsonville Road North												
P3	Full	50	53	25.3	LOS C	0.1	0.1	0.91	0.91	189.0	212.8	1.13
West: Westpoint Drive West												
P4	Full	50	53	25.3	LOS C	0.1	0.1	0.91	0.91	189.0	212.8	1.13
All Pedestrians		200	211	25.3	LOS C	0.1	0.1	0.91	0.91	188.9	212.6	1.13

Level of Service (LOS) Method: SIDRA Pedestrian LOS Method (Based on Average Delay)
Pedestrian movement LOS values are based on average delay per pedestrian movement.
Intersection LOS value for Pedestrians is based on average delay for all pedestrian movements.

MOVEMENT SUMMARY

Site: 101 [Hobsonville/Westpark 2023 PM (No Development) (Site Folder: General)]

New Site
Site Category: (None)
Signals - EQUISAT (Fixed-Time/SCATS) Isolated Cycle Time = 65 seconds (Site Optimum Cycle Time - Minimum Delay)

Vehicle Movement Performance

Mov ID	Turn	INPUT VOLUMES [Total veh/h	HV] %	DEMAND FLOWS [Total veh/h	HV] %	Deg. Satn v/c	Aver. Delay sec	Level of Service	95% BACK OF QUEUE [Veh. veh	Dist] m	Prop. Que	Effective Stop Rate	Aver. No. Cycles	Aver. Speed km/h
South: Hobsonville Road South														
1	L2	2	4.0	2	4.0	*0.639	19.1	LOS B	14.8	107.3	0.80	0.71	0.80	41.3
2	T1	593	4.0	624	4.0	0.639	14.5	LOS B	14.8	107.3	0.80	0.71	0.80	41.7
3	R2	121	4.0	127	4.0	*0.655	37.8	LOS D	4.3	30.9	1.00	0.85	1.13	32.6
Approach		716	4.0	754	4.0	0.655	18.4	LOS B	14.8	107.3	0.83	0.73	0.85	39.8
East: Westpark Drive East														
4	L2	89	4.0	94	4.0	*0.241	19.8	LOS B	2.0	14.3	0.86	0.74	0.86	39.0
5	T1	1	4.0	1	4.0	0.151	30.0	LOS C	0.9	6.5	0.94	0.71	0.94	34.0
6	R2	27	4.0	28	4.0	0.151	34.6	LOS C	0.9	6.5	0.94	0.71	0.94	33.7
Approach		117	4.0	123	4.0	0.241	23.3	LOS C	2.0	14.3	0.88	0.73	0.88	37.6
North: Hobsonville Road North														
7	L2	21	4.0	22	4.0	0.729	18.6	LOS B	18.1	131.3	0.84	0.77	0.86	41.5
8	T1	657	4.0	692	4.0	*0.729	14.0	LOS B	18.1	131.3	0.84	0.77	0.86	41.9
9	R2	5	4.0	5	4.0	0.027	33.6	LOS C	0.2	1.1	0.92	0.64	0.92	33.9
Approach		683	4.0	719	4.0	0.729	14.3	LOS B	18.1	131.3	0.84	0.77	0.86	41.8
West: Westpoint Drive West														
10	L2	6	4.0	6	4.0	0.013	23.7	LOS C	0.1	1.1	0.76	0.63	0.76	37.4
11	T1	1	4.0	1	4.0	0.119	29.8	LOS C	0.7	5.1	0.93	0.70	0.93	34.1
12	R2	21	4.0	22	4.0	0.119	34.4	LOS C	0.7	5.1	0.93	0.70	0.93	33.7
Approach		28	4.0	29	4.0	0.119	32.0	LOS C	0.7	5.1	0.90	0.68	0.90	34.5
All Vehicles		1544	4.0	1625	4.0	0.729	17.2	LOS B	18.1	131.3	0.84	0.75	0.86	40.4

Site Level of Service (LOS) Method: Delay (SIDRA). Site LOS Method is specified in the Parameter Settings dialog (Site tab).
Vehicle movement LOS values are based on average delay per movement.
Intersection and Approach LOS values are based on average delay for all vehicle movements.
Delay Model: SIDRA Standard (Geometric Delay is included).
Queue Model: SIDRA Standard.
Gap-Acceptance Capacity: SIDRA Standard (Akçelik M3D).
HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

* Critical Movement (Signal Timing)

Pedestrian Movement Performance

Mov ID	Crossing	Input Vol. ped/h	Dem. Flow ped/h	Aver. Delay sec	Level of Service	AVERAGE BACK OF QUEUE [Ped ped	Dist] m	Prop. Que	Effective Stop Rate	Travel Time sec	Travel Dist. m	Aver. Speed m/sec
South: Hobsonville Road South												
P1	Full	50	53	26.8	LOS C	0.1	0.1	0.91	0.91	190.5	212.8	1.12
East: Westpark Drive East												
P2	Full	50	53	26.8	LOS C	0.1	0.1	0.91	0.91	189.8	211.9	1.12

North: Hobsonville Road North												
P3	Full	50	53	26.8	LOS C	0.1	0.1	0.91	0.91	190.5	212.8	1.12
West: Westpoint Drive West												
P4	Full	50	53	26.8	LOS C	0.1	0.1	0.91	0.91	190.5	212.8	1.12
All Pedestrians		200	211	26.8	LOS C	0.1	0.1	0.91	0.91	190.4	212.6	1.12

Level of Service (LOS) Method: SIDRA Pedestrian LOS Method (Based on Average Delay)
Pedestrian movement LOS values are based on average delay per pedestrian movement.
Intersection LOS value for Pedestrians is based on average delay for all pedestrian movements.

MOVEMENT SUMMARY

Site: 101 [Hobsonville/Westpark 2023 AM (With Development) (Site Folder: General)]

New Site
Site Category: (None)
Signals - EQUISAT (Fixed-Time/SCATS) Isolated Cycle Time = 60 seconds (Site Optimum Cycle Time - Minimum Delay)

Vehicle Movement Performance

Mov ID	Turn	INPUT VOLUMES [Total veh/h	HV] %	DEMAND FLOWS [Total veh/h	HV] %	Deg. Satn v/c	Aver. Delay sec	Level of Service	95% BACK OF QUEUE [Veh. veh	Dist] m	Prop. Que	Effective Stop Rate	Aver. No. Cycles	Aver. Speed km/h
South: Hobsonville Road South														
1	L2	64	4.0	67	4.0	0.728	20.7	LOS C	15.7	113.5	0.88	0.81	0.91	40.4
2	T1	529	4.0	557	4.0	*0.728	16.1	LOS B	15.7	113.5	0.88	0.81	0.91	40.7
3	R2	51	4.0	54	4.0	*0.297	33.7	LOS C	1.6	11.4	0.96	0.74	0.96	33.8
Approach		644	4.0	678	4.0	0.728	17.9	LOS B	15.7	113.5	0.88	0.81	0.92	40.1
East: Westpark Drive East														
4	L2	120	4.0	126	4.0	0.262	23.8	LOS C	3.0	21.7	0.83	0.75	0.83	37.4
5	T1	8	4.0	8	4.0	0.178	27.3	LOS C	1.1	7.7	0.94	0.71	0.94	35.1
6	R2	28	4.0	29	4.0	0.178	32.0	LOS C	1.1	7.7	0.94	0.71	0.94	34.8
Approach		156	4.0	164	4.0	0.262	25.5	LOS C	3.0	21.7	0.85	0.74	0.85	36.8
North: Hobsonville Road North														
7	L2	1	4.0	1	4.0	*0.679	20.6	LOS C	14.0	101.1	0.86	0.76	0.86	40.6
8	T1	555	4.0	584	4.0	0.679	16.0	LOS B	14.0	101.1	0.86	0.76	0.86	41.0
9	R2	43	4.0	45	4.0	0.251	33.5	LOS C	1.3	9.5	0.96	0.73	0.96	34.0
Approach		599	4.0	631	4.0	0.679	17.3	LOS B	14.0	101.1	0.87	0.76	0.87	40.4
West: Westpoint Drive West														
10	L2	22	4.0	23	4.0	0.049	16.1	LOS B	0.4	2.8	0.78	0.67	0.78	40.6
11	T1	8	4.0	8	4.0	*0.702	29.1	LOS C	5.9	42.4	1.00	0.88	1.16	34.3
12	R2	173	4.0	182	4.0	0.702	33.7	LOS C	5.9	42.4	1.00	0.88	1.16	33.9
Approach		203	4.0	214	4.0	0.702	31.7	LOS C	5.9	42.4	0.98	0.86	1.12	34.6
All Vehicles		1602	4.0	1686	4.0	0.728	20.2	LOS C	15.7	113.5	0.89	0.79	0.92	39.1

Site Level of Service (LOS) Method: Delay (SIDRA). Site LOS Method is specified in the Parameter Settings dialog (Site tab).
Vehicle movement LOS values are based on average delay per movement.
Intersection and Approach LOS values are based on average delay for all vehicle movements.
Delay Model: SIDRA Standard (Geometric Delay is included).
Queue Model: SIDRA Standard.
Gap-Acceptance Capacity: SIDRA Standard (Akçelik M3D).
HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

* Critical Movement (Signal Timing)

Pedestrian Movement Performance

Mov ID	Crossing	Input Vol. ped/h	Dem. Flow ped/h	Aver. Delay sec	Level of Service	AVERAGE BACK OF QUEUE [Ped ped	Dist] m	Prop. Que	Effective Stop Rate	Travel Time sec	Travel Dist. m	Aver. Speed m/sec
South: Hobsonville Road South												
P1	Full	50	53	24.4	LOS C	0.1	0.1	0.90	0.90	188.0	212.8	1.13
East: Westpark Drive East												
P2	Full	50	53	24.4	LOS C	0.1	0.1	0.90	0.90	187.4	211.9	1.13

North: Hobsonville Road North												
P3	Full	50	53	24.4	LOS C	0.1	0.1	0.90	0.90	188.0	212.8	1.13
West: Westpoint Drive West												
P4	Full	50	53	24.4	LOS C	0.1	0.1	0.90	0.90	188.0	212.8	1.13
All Pedestrians		200	211	24.4	LOS C	0.1	0.1	0.90	0.90	187.9	212.6	1.13

Level of Service (LOS) Method: SIDRA Pedestrian LOS Method (Based on Average Delay)
Pedestrian movement LOS values are based on average delay per pedestrian movement.
Intersection LOS value for Pedestrians is based on average delay for all pedestrian movements.

MOVEMENT SUMMARY

Site: 101 [Hobsonville/Westpark 2023 PM (With Development) (Site Folder: General)]

New Site
Site Category: (None)
Signals - EQUISAT (Fixed-Time/SCATS) Isolated Cycle Time = 93 seconds (Site Optimum Cycle Time - Minimum Delay)

Vehicle Movement Performance

Mov ID	Turn	INPUT VOLUMES [Total veh/h	HV] %	DEMAND FLOWS [Total veh/h	HV] %	Deg. Satn v/c	Aver. Delay sec	Level of Service	95% BACK OF QUEUE [Veh. veh	Dist] m	Prop. Que	Effective Stop Rate	Aver. No. Cycles	Aver. Speed km/h
South: Hobsonville Road South														
1	L2	143	4.0	151	4.0	* 0.883	40.6	LOS D	37.8	273.3	0.99	1.04	1.15	33.0
2	T1	593	4.0	624	4.0	* 0.883	36.0	LOS D	37.8	273.3	0.99	1.04	1.15	33.2
3	R2	121	4.0	127	4.0	* 0.820	56.8	LOS E	6.4	46.6	1.00	0.94	1.34	27.9
Approach		857	4.0	902	4.0	0.883	39.7	LOS D	37.8	273.3	0.99	1.03	1.18	32.3
East: Westpark Drive East														
4	L2	89	4.0	94	4.0	* 0.268	23.9	LOS C	2.4	17.3	0.89	0.75	0.89	37.4
5	T1	1	4.0	1	4.0	0.152	42.1	LOS D	1.3	9.1	0.94	0.71	0.94	30.5
6	R2	27	4.0	28	4.0	0.152	46.7	LOS D	1.3	9.1	0.94	0.71	0.94	30.3
Approach		117	4.0	123	4.0	0.268	29.3	LOS C	2.4	17.3	0.90	0.74	0.90	35.4
North: Hobsonville Road North														
7	L2	21	4.0	22	4.0	0.823	32.2	LOS C	30.4	220.2	0.93	0.90	1.01	36.0
8	T1	657	4.0	692	4.0	0.823	27.6	LOS C	30.4	220.2	0.93	0.90	1.01	36.2
9	R2	19	4.0	20	4.0	0.129	48.9	LOS D	0.9	6.4	0.95	0.70	0.95	29.7
Approach		697	4.0	734	4.0	0.823	28.3	LOS C	30.4	220.2	0.94	0.90	1.01	36.0
West: Westpoint Drive West														
10	L2	45	4.0	47	4.0	0.071	25.8	LOS C	1.4	10.2	0.69	0.69	0.69	36.7
11	T1	1	4.0	1	4.0	0.264	31.5	LOS C	4.2	30.5	0.86	0.76	0.86	33.5
12	R2	106	4.0	112	4.0	0.264	36.1	LOS D	4.2	30.5	0.86	0.76	0.86	33.2
Approach		152	4.0	160	4.0	0.264	33.0	LOS C	4.2	30.5	0.81	0.74	0.81	34.1
All Vehicles		1823	4.0	1919	4.0	0.883	34.1	LOS C	37.8	273.3	0.95	0.93	1.06	34.0

Site Level of Service (LOS) Method: Delay (SIDRA). Site LOS Method is specified in the Parameter Settings dialog (Site tab).
Vehicle movement LOS values are based on average delay per movement.
Intersection and Approach LOS values are based on average delay for all vehicle movements.
Delay Model: SIDRA Standard (Geometric Delay is included).
Queue Model: SIDRA Standard.
Gap-Acceptance Capacity: SIDRA Standard (Akçelik M3D).
HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

* Critical Movement (Signal Timing)

Pedestrian Movement Performance

Mov ID	Crossing	Input Vol. ped/h	Dem. Flow ped/h	Aver. Delay sec	Level of Service	AVERAGE BACK OF QUEUE [Ped ped	Dist] m	Prop. Que	Effective Stop Rate	Travel Time sec	Travel Dist. m	Aver. Speed m/sec
South: Hobsonville Road South												
P1	Full	50	53	40.8	LOS E	0.1	0.1	0.94	0.94	204.5	212.8	1.04
East: Westpark Drive East												
P2	Full	50	53	40.8	LOS E	0.1	0.1	0.94	0.94	203.8	211.9	1.04

North: Hobsonville Road North												
P3	Full	50	53	40.8	LOS E	0.1	0.1	0.94	0.94	204.5	212.8	1.04
West: Westpoint Drive West												
P4	Full	50	53	40.8	LOS E	0.1	0.1	0.94	0.94	204.5	212.8	1.04
All Pedestrians		200	211	40.8	LOS E	0.1	0.1	0.94	0.94	204.3	212.6	1.04

Level of Service (LOS) Method: SIDRA Pedestrian LOS Method (Based on Average Delay)
Pedestrian movement LOS values are based on average delay per pedestrian movement.
Intersection LOS value for Pedestrians is based on average delay for all pedestrian movements.

MOVEMENT SUMMARY

Site: 101 [Hobsonville/Westpark 2028 AM (No Development) (Site Folder: General)]

New Site
Site Category: (None)
Signals - EQUISAT (Fixed-Time/SCATS) Isolated Cycle Time = 61 seconds (Site Optimum Cycle Time - Minimum Delay)

Vehicle Movement Performance

Mov ID	Turn	INPUT VOLUMES [Total veh/h	HV] %	DEMAND FLOWS [Total veh/h	HV] %	Deg. Satn v/c	Aver. Delay sec	Level of Service	95% BACK OF QUEUE [Veh. veh	Dist] m	Prop. Que	Effective Stop Rate	Aver. No. Cycles	Aver. Speed km/h
South: Hobsonville Road South														
1	L2	186	4.0	196	4.0	0.720	23.9	LOS C	13.6	98.2	0.91	0.85	0.96	38.5
2	T1	295	4.0	311	4.0	* 0.720	19.3	LOS B	13.6	98.2	0.91	0.85	0.96	38.8
3	R2	225	4.0	237	4.0	* 0.667	31.1	LOS C	7.0	50.9	0.98	0.86	1.06	34.7
Approach		706	4.0	743	4.0	0.720	24.2	LOS C	13.6	98.2	0.93	0.85	0.99	37.3
East: Westpark Drive East														
4	L2	408	4.0	429	4.0	0.670	22.1	LOS C	10.8	78.5	0.87	0.83	0.89	38.1
5	T1	16	4.0	17	4.0	0.183	26.8	LOS C	1.2	9.0	0.92	0.71	0.92	35.6
6	R2	26	4.0	27	4.0	0.183	31.4	LOS C	1.2	9.0	0.92	0.71	0.92	35.2
Approach		450	4.0	474	4.0	0.670	22.8	LOS C	10.8	78.5	0.88	0.82	0.90	37.8
North: Hobsonville Road North														
7	L2	11	4.0	12	4.0	* 0.409	22.7	LOS C	6.6	47.7	0.79	0.69	0.79	39.6
8	T1	268	4.0	282	4.0	0.409	18.1	LOS B	6.6	47.7	0.79	0.69	0.79	40.0
9	R2	1	4.0	1	4.0	0.003	25.8	LOS C	0.0	0.2	0.82	0.59	0.82	36.6
Approach		280	4.0	295	4.0	0.409	18.3	LOS B	6.6	47.7	0.79	0.69	0.79	39.9
West: Westpoint Drive West														
10	L2	1	4.0	1	4.0	0.002	13.3	LOS B	0.0	0.1	0.70	0.57	0.70	41.9
11	T1	1	4.0	1	4.0	* 0.076	27.3	LOS C	0.4	3.2	0.92	0.68	0.92	34.9
12	R2	14	4.0	15	4.0	0.076	31.9	LOS C	0.4	3.2	0.92	0.68	0.92	34.6
Approach		16	4.0	17	4.0	0.076	30.5	LOS C	0.4	3.2	0.91	0.67	0.91	35.0
All Vehicles		1452	4.0	1528	4.0	0.720	22.7	LOS C	13.6	98.2	0.89	0.81	0.92	37.9

Site Level of Service (LOS) Method: Delay (SIDRA). Site LOS Method is specified in the Parameter Settings dialog (Site tab).
Vehicle movement LOS values are based on average delay per movement.
Intersection and Approach LOS values are based on average delay for all vehicle movements.
Delay Model: SIDRA Standard (Geometric Delay is included).
Queue Model: SIDRA Standard.
Gap-Acceptance Capacity: SIDRA Standard (Akçelik M3D).
HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

* Critical Movement (Signal Timing)

Pedestrian Movement Performance

Mov ID	Crossing	Input Vol. ped/h	Dem. Flow ped/h	Aver. Delay sec	Level of Service	AVERAGE BACK OF QUEUE [Ped ped	Dist] m	Prop. Que	Effective Stop Rate	Travel Time sec	Travel Dist. m	Aver. Speed m/sec
South: Hobsonville Road South												
P1	Full	50	53	24.8	LOS C	0.1	0.1	0.90	0.90	188.5	212.8	1.13
East: Westpark Drive East												
P2	Full	50	53	24.8	LOS C	0.1	0.1	0.90	0.90	187.8	211.9	1.13

North: Hobsonville Road North												
P3	Full	50	53	24.8	LOS C	0.1	0.1	0.90	0.90	188.5	212.8	1.13
West: Westpoint Drive West												
P4	Full	50	53	24.8	LOS C	0.1	0.1	0.90	0.90	188.5	212.8	1.13
All Pedestrians		200	211	24.8	LOS C	0.1	0.1	0.90	0.90	188.4	212.6	1.13

Level of Service (LOS) Method: SIDRA Pedestrian LOS Method (Based on Average Delay)
Pedestrian movement LOS values are based on average delay per pedestrian movement.
Intersection LOS value for Pedestrians is based on average delay for all pedestrian movements.

MOVEMENT SUMMARY

Site: 101 [Hobsonville/Westpark 2028 PM (No Development) (Site Folder: General)]

New Site
Site Category: (None)
Signals - EQUISAT (Fixed-Time/SCATS) Isolated Cycle Time = 61 seconds (Site Optimum Cycle Time - Minimum Delay)

Vehicle Movement Performance

Mov ID	Turn	INPUT VOLUMES [Total veh/h	HV] %	DEMAND FLOWS [Total veh/h	HV] %	Deg. Satn v/c	Aver. Delay sec	Level of Service	95% BACK OF QUEUE [Veh. veh	Dist] m	Prop. Que	Effective Stop Rate	Aver. No. Cycles	Aver. Speed km/h
South: Hobsonville Road South														
1	L2	11	4.0	12	4.0	*0.481	26.5	LOS C	6.4	46.5	0.89	0.76	0.89	38.1
2	T1	228	4.0	240	4.0	0.481	21.9	LOS C	6.4	46.5	0.89	0.76	0.89	38.4
3	R2	281	4.0	296	4.0	*0.526	23.8	LOS C	7.5	54.0	0.87	0.81	0.87	37.3
Approach		520	4.0	547	4.0	0.526	23.0	LOS C	7.5	54.0	0.88	0.78	0.88	37.8
East: Westpark Drive East														
4	L2	219	4.0	231	4.0	*0.300	11.7	LOS B	3.1	22.4	0.69	0.73	0.69	42.7
5	T1	1	4.0	1	4.0	0.071	27.3	LOS C	0.4	3.0	0.92	0.68	0.92	34.9
6	R2	13	4.0	14	4.0	0.071	31.9	LOS C	0.4	3.0	0.92	0.68	0.92	34.6
Approach		233	4.0	245	4.0	0.300	12.9	LOS B	3.1	22.4	0.71	0.73	0.71	42.1
North: Hobsonville Road North														
7	L2	34	4.0	36	4.0	0.547	25.4	LOS C	7.5	54.6	0.90	0.76	0.90	38.3
8	T1	240	4.0	253	4.0	*0.547	20.8	LOS C	7.5	54.6	0.90	0.76	0.90	38.7
9	R2	1	4.0	1	4.0	0.002	20.0	LOS B	0.0	0.2	0.70	0.58	0.70	38.8
Approach		275	4.0	289	4.0	0.547	21.4	LOS C	7.5	54.6	0.90	0.76	0.90	38.6
West: Westpoint Drive West														
10	L2	1	4.0	1	4.0	0.001	13.4	LOS B	0.0	0.1	0.54	0.57	0.54	41.9
11	T1	2	4.0	2	4.0	0.314	28.6	LOS C	1.9	13.8	0.96	0.75	0.96	34.4
12	R2	60	4.0	63	4.0	0.314	33.2	LOS C	1.9	13.8	0.96	0.75	0.96	34.1
Approach		63	4.0	66	4.0	0.314	32.7	LOS C	1.9	13.8	0.95	0.74	0.95	34.2
All Vehicles		1091	4.0	1148	4.0	0.547	21.0	LOS C	7.5	54.6	0.85	0.76	0.85	38.6

Site Level of Service (LOS) Method: Delay (SIDRA). Site LOS Method is specified in the Parameter Settings dialog (Site tab).
Vehicle movement LOS values are based on average delay per movement.
Intersection and Approach LOS values are based on average delay for all vehicle movements.
Delay Model: SIDRA Standard (Geometric Delay is included).
Queue Model: SIDRA Standard.
Gap-Acceptance Capacity: SIDRA Standard (Akçelik M3D).
HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

* Critical Movement (Signal Timing)

Pedestrian Movement Performance

Mov ID	Crossing	Input Vol. ped/h	Dem. Flow ped/h	Aver. Delay sec	Level of Service	AVERAGE BACK OF QUEUE [Ped ped	Dist] m	Prop. Que	Effective Stop Rate	Travel Time sec	Travel Dist. m	Aver. Speed m/sec
South: Hobsonville Road South												
P1	Full	50	53	24.8	LOS C	0.1	0.1	0.90	0.90	188.5	212.8	1.13
East: Westpark Drive East												
P2	Full	50	53	24.8	LOS C	0.1	0.1	0.90	0.90	187.8	211.9	1.13

North: Hobsonville Road North												
P3	Full	50	53	24.8	LOS C	0.1	0.1	0.90	0.90	188.5	212.8	1.13
West: Westpoint Drive West												
P4	Full	50	53	24.8	LOS C	0.1	0.1	0.90	0.90	188.5	212.8	1.13
All Pedestrians		200	211	24.8	LOS C	0.1	0.1	0.90	0.90	188.4	212.6	1.13

Level of Service (LOS) Method: SIDRA Pedestrian LOS Method (Based on Average Delay)
Pedestrian movement LOS values are based on average delay per pedestrian movement.
Intersection LOS value for Pedestrians is based on average delay for all pedestrian movements.

MOVEMENT SUMMARY

Site: 101 [Hobsonville/Westpark 2028 AM (With Development) (Site Folder: General)]

New Site
Site Category: (None)
Signals - EQUISAT (Fixed-Time/SCATS) Isolated Cycle Time = 60 seconds (Site Optimum Cycle Time - Minimum Delay)

Vehicle Movement Performance

Mov ID	Turn	INPUT VOLUMES [Total veh/h	HV] %	DEMAND FLOWS [Total veh/h	HV] %	Deg. Satn v/c	Aver. Delay sec	Level of Service	95% BACK OF QUEUE [Veh. veh	Dist] m	Prop. Que	Effective Stop Rate	Aver. No. Cycles	Aver. Speed km/h
South: Hobsonville Road South														
1	L2	236	4.0	248	4.0	*0.784	25.8	LOS C	16.0	115.6	0.93	0.92	1.06	37.6
2	T1	295	4.0	311	4.0	0.784	21.2	LOS C	16.0	115.6	0.93	0.92	1.06	37.9
3	R2	225	4.0	237	4.0	*0.787	35.2	LOS D	7.6	55.2	1.00	0.95	1.28	33.4
Approach		756	4.0	796	4.0	0.787	26.8	LOS C	16.0	115.6	0.95	0.93	1.12	36.4
East: Westpark Drive East														
4	L2	408	4.0	429	4.0	0.754	26.4	LOS C	12.2	88.4	0.93	0.90	1.06	36.4
5	T1	16	4.0	17	4.0	0.206	27.5	LOS C	1.2	9.0	0.94	0.71	0.94	35.3
6	R2	26	4.0	27	4.0	0.206	32.1	LOS C	1.2	9.0	0.94	0.71	0.94	35.0
Approach		450	4.0	474	4.0	0.754	26.8	LOS C	12.2	88.4	0.93	0.88	1.05	36.3
North: Hobsonville Road North														
7	L2	11	4.0	12	4.0	*0.402	21.7	LOS C	6.4	46.4	0.79	0.69	0.79	40.1
8	T1	268	4.0	282	4.0	0.402	17.1	LOS B	6.4	46.4	0.79	0.69	0.79	40.4
9	R2	31	4.0	33	4.0	0.108	28.4	LOS C	0.8	6.1	0.88	0.71	0.88	35.7
Approach		310	4.0	326	4.0	0.402	18.4	LOS B	6.4	46.4	0.80	0.69	0.80	39.9
West: Westpoint Drive West														
10	L2	15	4.0	16	4.0	0.026	13.5	LOS B	0.2	1.6	0.71	0.65	0.71	41.8
11	T1	1	4.0	1	4.0	0.715	29.4	LOS C	6.0	43.4	1.00	0.89	1.17	34.1
12	R2	183	4.0	193	4.0	0.715	34.0	LOS C	6.0	43.4	1.00	0.89	1.17	33.8
Approach		199	4.0	209	4.0	0.715	32.4	LOS C	6.0	43.4	0.98	0.87	1.14	34.3
All Vehicles		1715	4.0	1805	4.0	0.787	25.9	LOS C	16.0	115.6	0.92	0.87	1.05	36.7

Site Level of Service (LOS) Method: Delay (SIDRA). Site LOS Method is specified in the Parameter Settings dialog (Site tab).
Vehicle movement LOS values are based on average delay per movement.
Intersection and Approach LOS values are based on average delay for all vehicle movements.
Delay Model: SIDRA Standard (Geometric Delay is included).
Queue Model: SIDRA Standard.
Gap-Acceptance Capacity: SIDRA Standard (Akçelik M3D).
HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

* Critical Movement (Signal Timing)

Pedestrian Movement Performance

Mov ID	Crossing	Input Vol. ped/h	Dem. Flow ped/h	Aver. Delay sec	Level of Service	AVERAGE BACK OF QUEUE [Ped ped	Dist] m	Prop. Que	Effective Stop Rate	Travel Time sec	Travel Dist. m	Aver. Speed m/sec
South: Hobsonville Road South												
P1	Full	50	53	24.4	LOS C	0.1	0.1	0.90	0.90	188.0	212.8	1.13
East: Westpark Drive East												
P2	Full	50	53	24.4	LOS C	0.1	0.1	0.90	0.90	187.4	211.9	1.13

North: Hobsonville Road North												
P3	Full	50	53	24.4	LOS C	0.1	0.1	0.90	0.90	188.0	212.8	1.13
West: Westpoint Drive West												
P4	Full	50	53	24.4	LOS C	0.1	0.1	0.90	0.90	188.0	212.8	1.13
All Pedestrians		200	211	24.4	LOS C	0.1	0.1	0.90	0.90	187.9	212.6	1.13

Level of Service (LOS) Method: SIDRA Pedestrian LOS Method (Based on Average Delay)
Pedestrian movement LOS values are based on average delay per pedestrian movement.
Intersection LOS value for Pedestrians is based on average delay for all pedestrian movements.

MOVEMENT SUMMARY

Site: 101 [Hobsonville/Westpark 2028 PM (With Development) (Site Folder: General)]

New Site
Site Category: (None)
Signals - EQUISAT (Fixed-Time/SCATS) Isolated Cycle Time = 62 seconds (Site Optimum Cycle Time - Minimum Delay)

Vehicle Movement Performance

Mov ID	Turn	INPUT VOLUMES [Total veh/h	HV] %	DEMAND FLOWS [Total veh/h	HV] %	Deg. Satn v/c	Aver. Delay sec	Level of Service	95% BACK OF QUEUE [Veh. veh	Dist] m	Prop. Que	Effective Stop Rate	Aver. No. Cycles	Aver. Speed km/h
South: Hobsonville Road South														
1	L2	148	4.0	156	4.0	*0.656	22.9	LOS C	9.6	69.5	0.92	0.84	0.93	38.9
2	T1	228	4.0	240	4.0	*0.656	18.3	LOS B	9.6	69.5	0.92	0.84	0.93	39.2
3	R2	281	4.0	296	4.0	*0.677	29.3	LOS C	8.7	62.8	0.96	0.86	1.03	35.3
Approach		657	4.0	692	4.0	0.677	24.0	LOS C	9.6	69.5	0.94	0.85	0.97	37.4
East: Westpark Drive East														
4	L2	219	4.0	231	4.0	*0.360	13.5	LOS B	3.4	24.4	0.78	0.76	0.78	41.8
5	T1	1	4.0	1	4.0	0.072	27.8	LOS C	0.4	3.0	0.92	0.68	0.92	34.7
6	R2	13	4.0	14	4.0	0.072	32.4	LOS C	0.4	3.0	0.92	0.68	0.92	34.4
Approach		233	4.0	245	4.0	0.360	14.6	LOS B	3.4	24.4	0.79	0.75	0.79	41.3
North: Hobsonville Road North														
7	L2	34	4.0	36	4.0	0.495	24.0	LOS C	7.3	53.0	0.87	0.74	0.87	38.9
8	T1	240	4.0	253	4.0	0.495	19.4	LOS B	7.3	53.0	0.87	0.74	0.87	39.3
9	R2	12	4.0	13	4.0	0.029	24.1	LOS C	0.3	2.1	0.79	0.66	0.79	37.2
Approach		286	4.0	301	4.0	0.495	20.2	LOS C	7.3	53.0	0.86	0.74	0.86	39.1
West: Westpoint Drive West														
10	L2	36	4.0	38	4.0	0.044	14.8	LOS B	0.6	4.6	0.58	0.66	0.58	41.2
11	T1	2	4.0	2	4.0	0.509	27.1	LOS C	4.3	31.4	0.96	0.79	0.96	34.9
12	R2	139	4.0	146	4.0	0.509	31.7	LOS C	4.3	31.4	0.96	0.79	0.96	34.6
Approach		177	4.0	186	4.0	0.509	28.2	LOS C	4.3	31.4	0.88	0.76	0.88	35.7
All Vehicles		1353	4.0	1424	4.0	0.677	22.1	LOS C	9.6	69.5	0.89	0.80	0.91	38.1

Site Level of Service (LOS) Method: Delay (SIDRA). Site LOS Method is specified in the Parameter Settings dialog (Site tab).
Vehicle movement LOS values are based on average delay per movement.
Intersection and Approach LOS values are based on average delay for all vehicle movements.
Delay Model: SIDRA Standard (Geometric Delay is included).
Queue Model: SIDRA Standard.
Gap-Acceptance Capacity: SIDRA Standard (Akçelik M3D).
HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

* Critical Movement (Signal Timing)

Pedestrian Movement Performance

Mov ID	Crossing	Input Vol. ped/h	Dem. Flow ped/h	Aver. Delay sec	Level of Service	AVERAGE BACK OF QUEUE [Ped ped	Dist] m	Prop. Que	Effective Stop Rate	Travel Time sec	Travel Dist. m	Aver. Speed m/sec
South: Hobsonville Road South												
P1	Full	50	53	25.3	LOS C	0.1	0.1	0.91	0.91	189.0	212.8	1.13
East: Westpark Drive East												
P2	Full	50	53	25.3	LOS C	0.1	0.1	0.91	0.91	188.3	211.9	1.13

North: Hobsonville Road North												
P3	Full	50	53	25.3	LOS C	0.1	0.1	0.91	0.91	189.0	212.8	1.13
West: Westpoint Drive West												
P4	Full	50	53	25.3	LOS C	0.1	0.1	0.91	0.91	189.0	212.8	1.13
All Pedestrians		200	211	25.3	LOS C	0.1	0.1	0.91	0.91	188.9	212.6	1.13

Level of Service (LOS) Method: SIDRA Pedestrian LOS Method (Based on Average Delay)
Pedestrian movement LOS values are based on average delay per pedestrian movement.
Intersection LOS value for Pedestrians is based on average delay for all pedestrian movements.

PHASING SUMMARY

Site: 101 [Hobsonville/Westpark 2023 AM (No Development) (Site Folder: General)]

New Site
Site Category: (None)
Signals - EQUISAT (Fixed-Time/SCATS) Isolated Cycle Time = 62 seconds (Site Optimum Cycle Time - Minimum Delay)

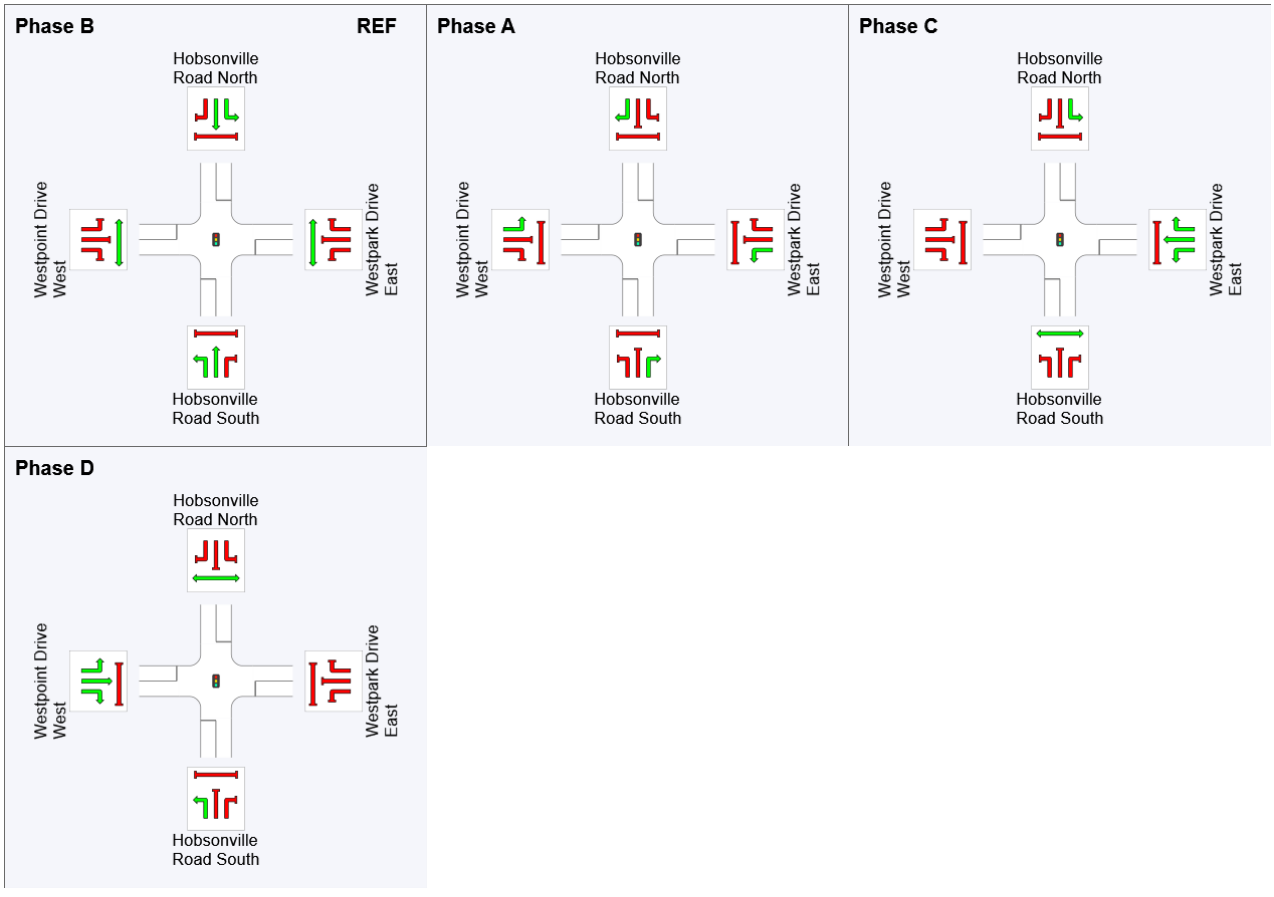
Timings based on settings in the Site Phasing & Timing dialog
Phase Times determined by the program
Phase Sequence: Leading Right Turn
Reference Phase: Phase B
Input Phase Sequence: B, A, C, D
Output Phase Sequence: B, A, C, D

Phase Timing Summary

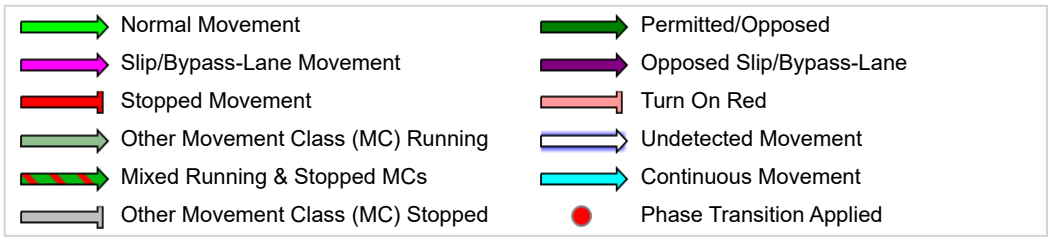
Phase	B	A	C	D
Phase Change Time (sec)	0	31	40	52
Green Time (sec)	28	6	9	7
Phase Time (sec)	31	9	12	10
Phase Split	50%	15%	19%	16%

See the Timing Analysis report for more detailed information including input values of Yellow Time and All-Red Time, and information on any adjustments to Intergreen Time, Phase Time and Green Time values in cases of Pedestrian Actuation, Minor Phase Actuation and Phase Frequency values (user-specified or implied) less than 100%.

Output Phase Sequence



REF: Reference Phase
VAR: Variable Phase



PHASING SUMMARY

Site: 101 [Hobsonville/Westpark 2023 PM (No Development) (Site Folder: General)]

New Site
Site Category: (None)
Signals - EQUISAT (Fixed-Time/SCATS) Isolated Cycle Time = 65 seconds (Site Optimum Cycle Time - Minimum Delay)

Timings based on settings in the Site Phasing & Timing dialog
Phase Times determined by the program
Phase Sequence: Leading Right Turn
Reference Phase: Phase B
Input Phase Sequence: A, B, C, D
Output Phase Sequence: A, B, C, D

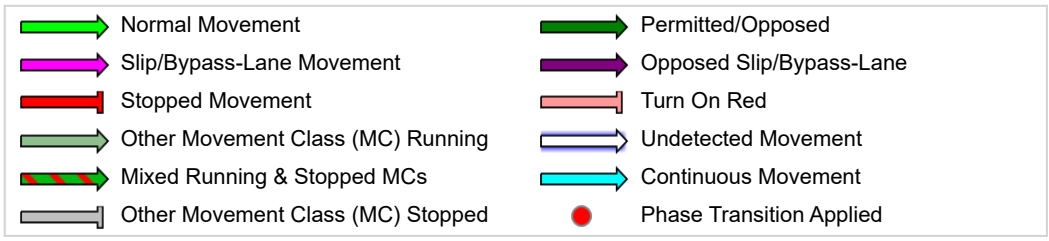
Phase Timing Summary

Phase	A	B	C	D
Phase Change Time (sec)	55	0	35	45
Green Time (sec)	7	32	7	7
Phase Time (sec)	10	35	10	10
Phase Split	15%	54%	15%	15%

See the Timing Analysis report for more detailed information including input values of Yellow Time and All-Red Time, and information on any adjustments to Intergreen Time, Phase Time and Green Time values in cases of Pedestrian Actuation, Minor Phase Actuation and Phase Frequency values (user-specified or implied) less than 100%.

Output Phase Sequence

REF: Reference Phase
VAR: Variable Phase



PHASING SUMMARY

Site: 101 [Hobsonville/Westpark 2023 AM (With Development) (Site Folder: General)]

New Site
Site Category: (None)
Signals - EQUISAT (Fixed-Time/SCATS) Isolated Cycle Time = 60 seconds (Site Optimum Cycle Time - Minimum Delay)

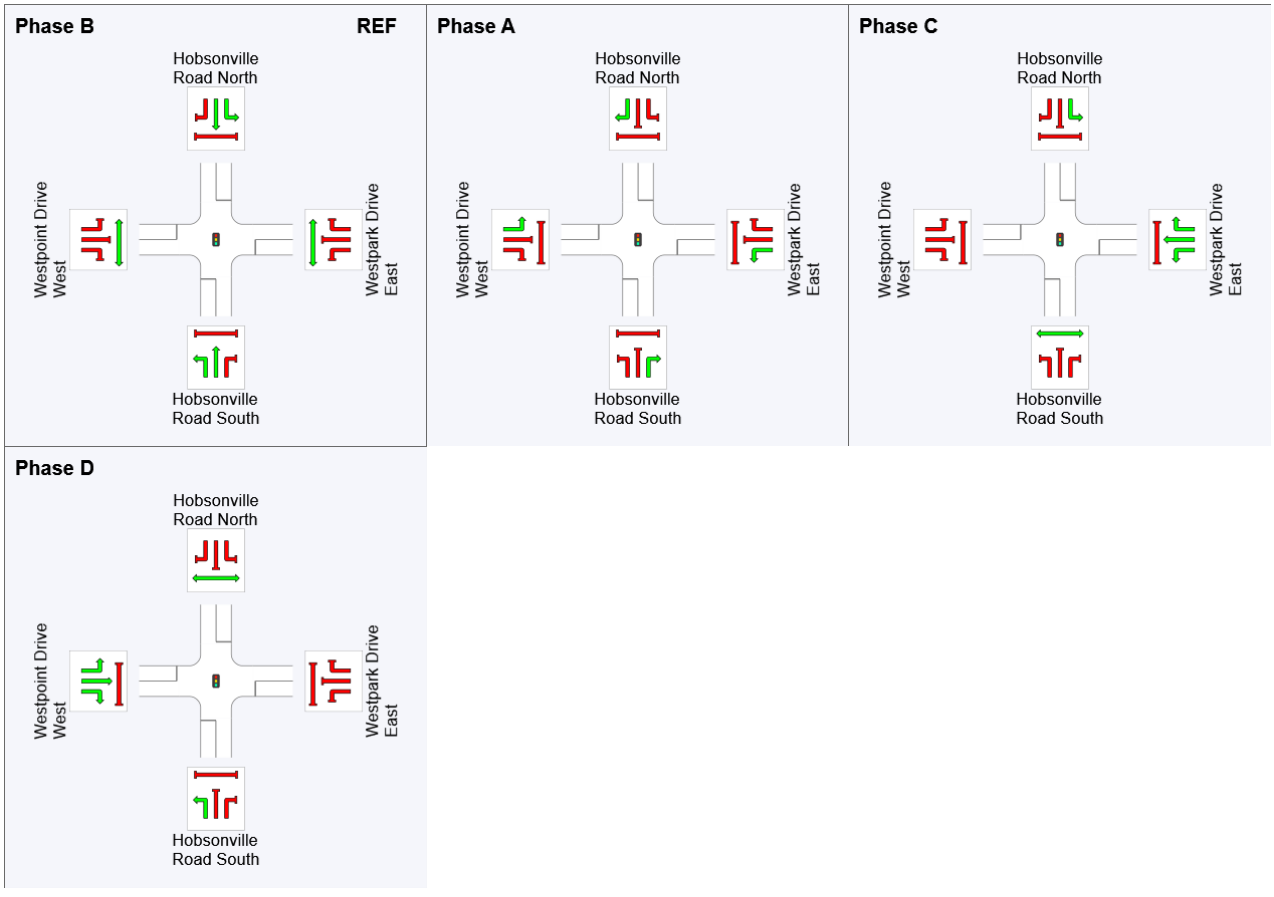
Timings based on settings in the Site Phasing & Timing dialog
Phase Times determined by the program
Phase Sequence: Leading Right Turn
Reference Phase: Phase B
Input Phase Sequence: B, A, C, D
Output Phase Sequence: B, A, C, D

Phase Timing Summary

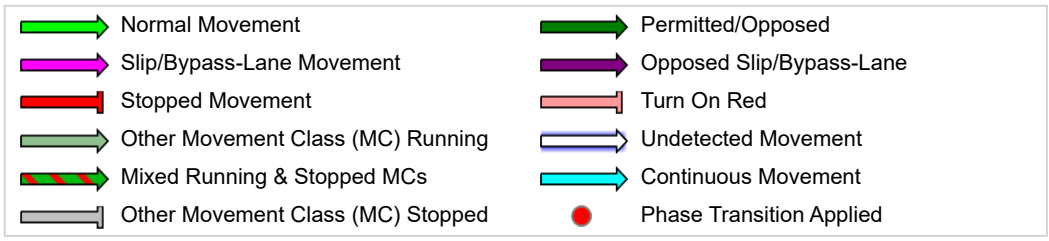
Phase	B	A	C	D
Phase Change Time (sec)	0	29	38	48
Green Time (sec)	26	6	7	9
Phase Time (sec)	29	9	10	12
Phase Split	48%	15%	17%	20%

See the Timing Analysis report for more detailed information including input values of Yellow Time and All-Red Time, and information on any adjustments to Intergreen Time, Phase Time and Green Time values in cases of Pedestrian Actuation, Minor Phase Actuation and Phase Frequency values (user-specified or implied) less than 100%.

Output Phase Sequence



REF: Reference Phase
VAR: Variable Phase



PHASING SUMMARY

Site: 101 [Hobsonville/Westpark 2023 PM (With Development) (Site Folder: General)]

New Site
Site Category: (None)
Signals - EQUISAT (Fixed-Time/SCATS) Isolated Cycle Time = 93 seconds (Site Optimum Cycle Time - Minimum Delay)

Timings based on settings in the Site Phasing & Timing dialog
Phase Times determined by the program
Phase Sequence: Leading Right Turn
Reference Phase: Phase B
Input Phase Sequence: A, B, C, D
Output Phase Sequence: A, B, C, D

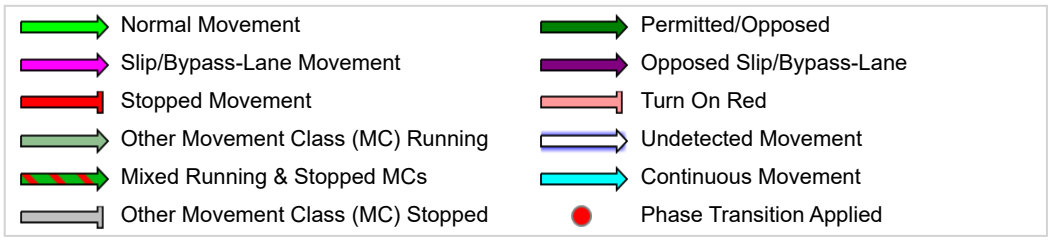
Phase Timing Summary

Phase	A	B	C	D
Phase Change Time (sec)	82	0	44	57
Green Time (sec)	8	41	10	22
Phase Time (sec)	11	44	13	25
Phase Split	12%	47%	14%	27%

See the Timing Analysis report for more detailed information including input values of Yellow Time and All-Red Time, and information on any adjustments to Intergreen Time, Phase Time and Green Time values in cases of Pedestrian Actuation, Minor Phase Actuation and Phase Frequency values (user-specified or implied) less than 100%.

Output Phase Sequence

REF: Reference Phase
VAR: Variable Phase



PHASING SUMMARY

Site: 101 [Hobsonville/Westpark 2028 AM (No Development) (Site Folder: General)]

New Site
Site Category: (None)
Signals - EQUISAT (Fixed-Time/SCATS) Isolated Cycle Time = 61 seconds (Site Optimum Cycle Time - Minimum Delay)

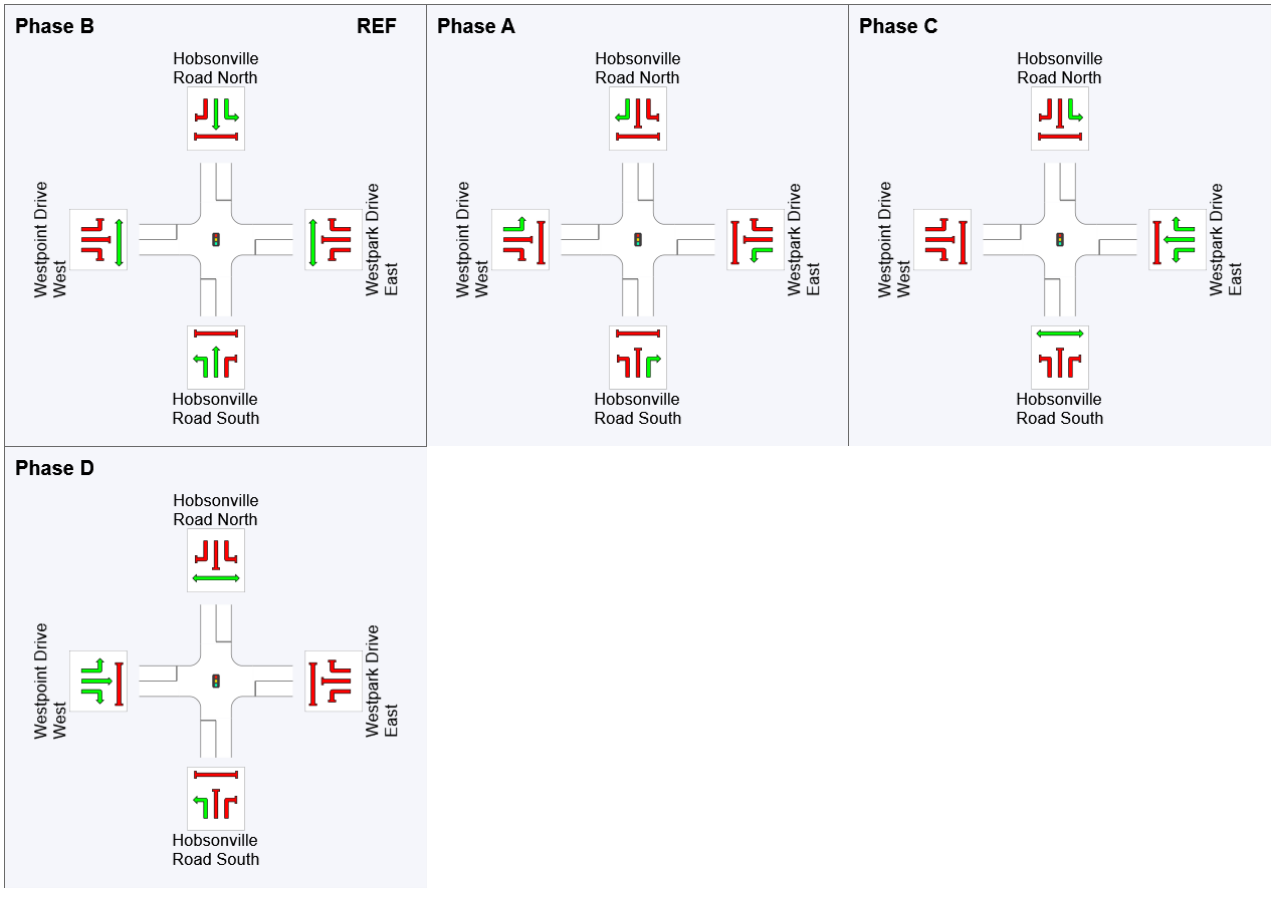
Timings based on settings in the Site Phasing & Timing dialog
Phase Times determined by the program
Phase Sequence: Leading Right Turn
Reference Phase: Phase B
Input Phase Sequence: B, A, C, D
Output Phase Sequence: B, A, C, D

Phase Timing Summary

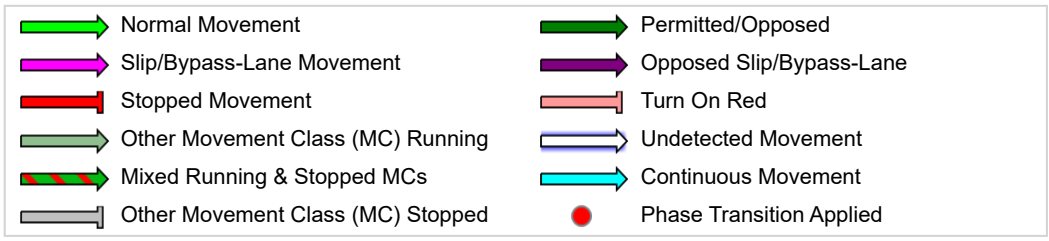
Phase	B	A	C	D
Phase Change Time (sec)	0	25	40	51
Green Time (sec)	22	12	8	7
Phase Time (sec)	25	15	11	10
Phase Split	41%	25%	18%	16%

See the Timing Analysis report for more detailed information including input values of Yellow Time and All-Red Time, and information on any adjustments to Intergreen Time, Phase Time and Green Time values in cases of Pedestrian Actuation, Minor Phase Actuation and Phase Frequency values (user-specified or implied) less than 100%.

Output Phase Sequence



REF: Reference Phase
VAR: Variable Phase



PHASING SUMMARY

Site: 101 [Hobsonville/Westpark 2028 PM (No Development) (Site Folder: General)]

New Site
Site Category: (None)
Signals - EQUISAT (Fixed-Time/SCATS) Isolated Cycle Time = 61 seconds (Site Optimum Cycle Time - Minimum Delay)

Timings based on settings in the Site Phasing & Timing dialog
Phase Times determined by the program
Phase Sequence: Leading Right Turn
Reference Phase: Phase B
Input Phase Sequence: A, B, C, D
Output Phase Sequence: A, B, C, D

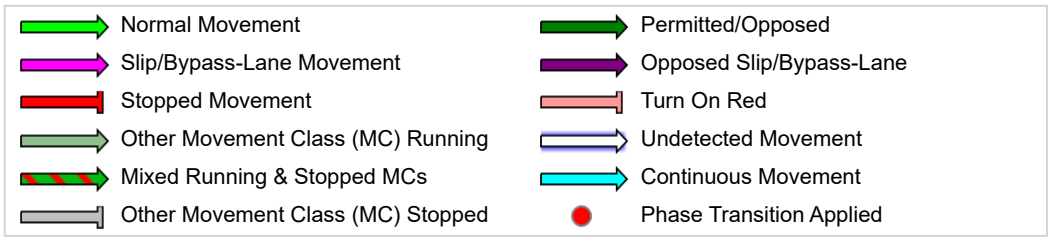
Phase Timing Summary

Phase	A	B	C	D
Phase Change Time (sec)	39	0	19	29
Green Time (sec)	19	16	7	7
Phase Time (sec)	22	19	10	10
Phase Split	36%	31%	16%	16%

See the Timing Analysis report for more detailed information including input values of Yellow Time and All-Red Time, and information on any adjustments to Intergreen Time, Phase Time and Green Time values in cases of Pedestrian Actuation, Minor Phase Actuation and Phase Frequency values (user-specified or implied) less than 100%.

Output Phase Sequence

REF: Reference Phase
VAR: Variable Phase



PHASING SUMMARY

Site: 101 [Hobsonville/Westpark 2028 AM (With Development) (Site Folder: General)]

New Site
Site Category: (None)
Signals - EQUISAT (Fixed-Time/SCATS) Isolated Cycle Time = 60 seconds (Site Optimum Cycle Time - Minimum Delay)

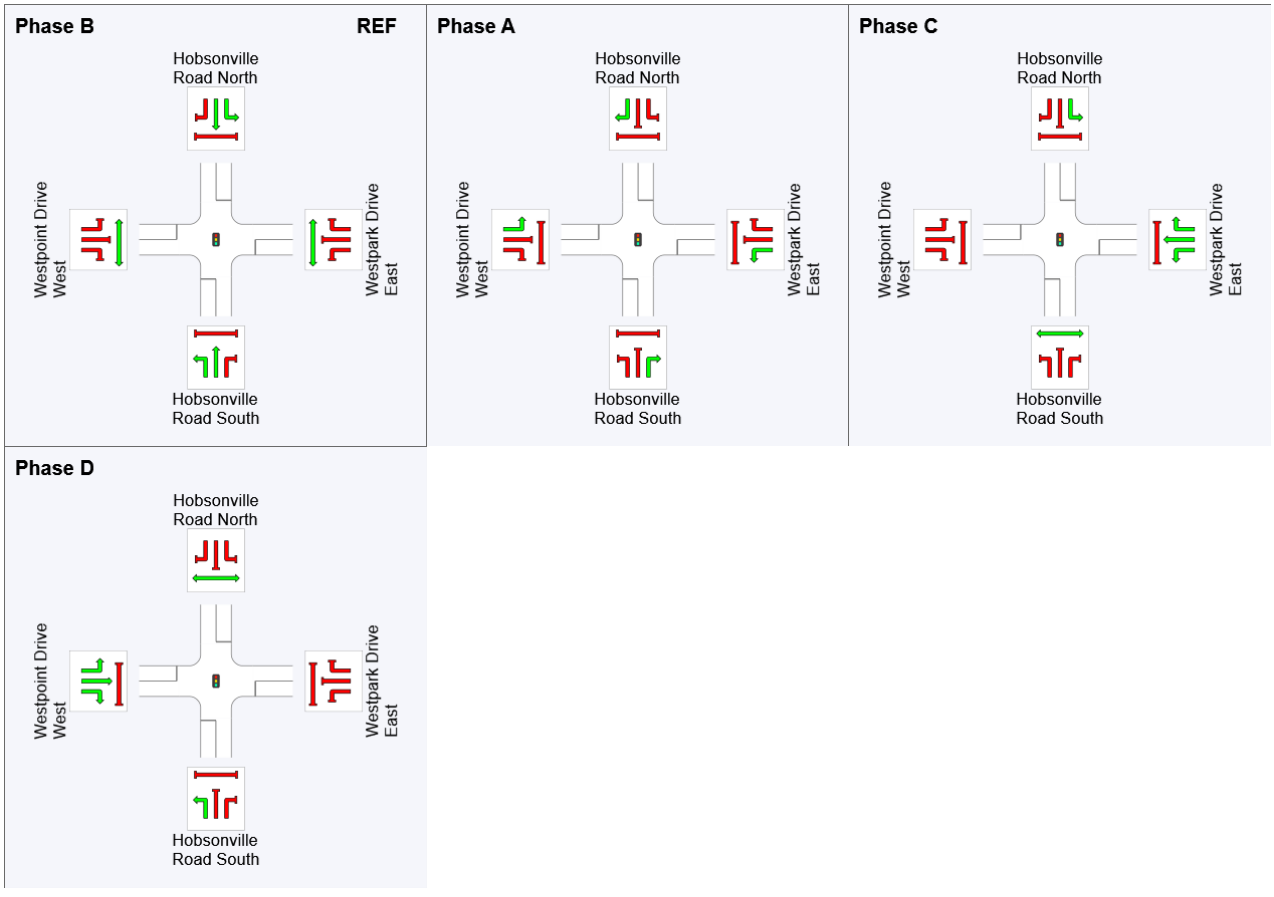
Timings based on settings in the Site Phasing & Timing dialog
Phase Times determined by the program
Phase Sequence: Leading Right Turn
Reference Phase: Phase B
Input Phase Sequence: B, A, C, D
Output Phase Sequence: B, A, C, D

Phase Timing Summary

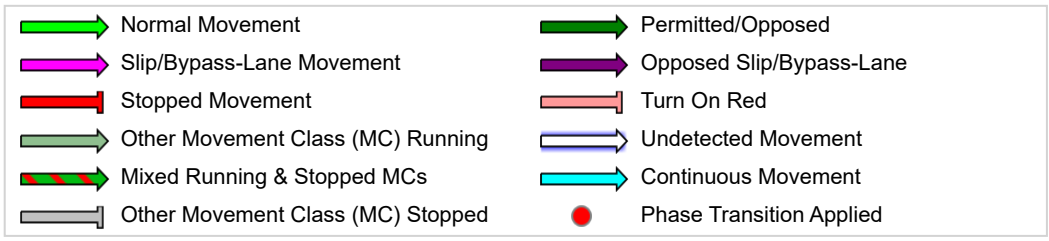
Phase	B	A	C	D
Phase Change Time (sec)	0	25	38	48
Green Time (sec)	22	10	7	9
Phase Time (sec)	25	13	10	12
Phase Split	42%	22%	17%	20%

See the Timing Analysis report for more detailed information including input values of Yellow Time and All-Red Time, and information on any adjustments to Intergreen Time, Phase Time and Green Time values in cases of Pedestrian Actuation, Minor Phase Actuation and Phase Frequency values (user-specified or implied) less than 100%.

Output Phase Sequence



REF: Reference Phase
VAR: Variable Phase



PHASING SUMMARY

Site: 101 [Hobsonville/Westpark 2028 PM (With Development) (Site Folder: General)]

New Site
Site Category: (None)
Signals - EQUISAT (Fixed-Time/SCATS) Isolated Cycle Time = 62 seconds (Site Optimum Cycle Time - Minimum Delay)

Timings based on settings in the Site Phasing & Timing dialog
Phase Times determined by the program
Phase Sequence: Leading Right Turn
Reference Phase: Phase B
Input Phase Sequence: A, B, C, D
Output Phase Sequence: A, B, C, D

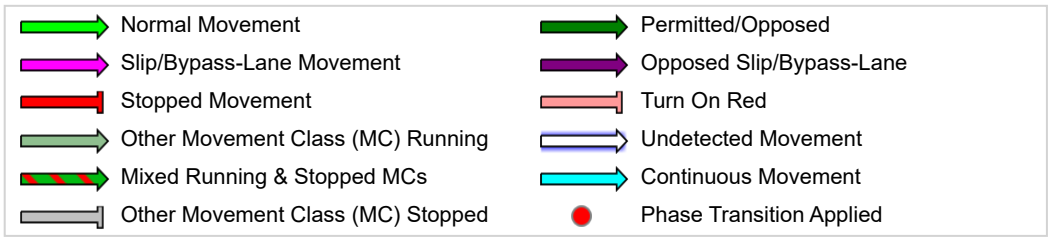
Phase Timing Summary

Phase	A	B	C	D
Phase Change Time (sec)	44	0	21	31
Green Time (sec)	15	18	7	10
Phase Time (sec)	18	21	10	13
Phase Split	29%	34%	16%	21%

See the Timing Analysis report for more detailed information including input values of Yellow Time and All-Red Time, and information on any adjustments to Intergreen Time, Phase Time and Green Time values in cases of Pedestrian Actuation, Minor Phase Actuation and Phase Frequency values (user-specified or implied) less than 100%.

Output Phase Sequence

REF: Reference Phase
VAR: Variable Phase



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