

Environmental Noise Feasibility Study

7230 Lundy's Lane

Proposed Residential Development Niagara Falls, Ontario

April 1, 2024
Project: 120-0283.000

Prepared for

1000462328 Ontario Limited

Prepared by



A handwritten signature in black ink, appearing to read 'Greg Dennis', is written over a horizontal line. To the right of the signature is a circular professional engineer seal for the Province of Ontario. The seal contains the text 'LICENSED PROFESSIONAL ENGINEER' around the top edge, 'PROVINCE OF ONTARIO' around the bottom edge, and in the center, the date '04/01/2024', the name 'G.P.W. DENNIS', and the number '100208880'.

Greg Dennis, M.Eng., P.Eng.

VALCOUSTICS

Canada Ltd.

Version History

Version #	Date	Comments
1.0	September 16, 2021	Final
2.0	April 1, 2024	Revised report to address changes to the Site Plan

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Proposed Residential Development

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EXECUTIVE SUMMARY

Valcoustics Canada Ltd. (VCL) previously prepared an Environmental Noise Feasibility Study for the proposed residential development, dated September 16, 2021. This update report has been prepared to address revisions to the Site Plan. Most notably, the townhouse blocks have been replaced with two 9-storey condominium apartment buildings.

The significant transportation noise sources in the project vicinity include road traffic along Lundy's Lane to the north and the Queen Elizabeth Way (QEW) to the west.

The on-site sound levels have been determined and compared with the applicable Ministry of the Environment, Conservation and Parks (MECP) noise guideline limits to determine the need for noise mitigation.

To meet the applicable transportation noise source guideline limits:

- The buildings require air conditioning to allow windows to remain closed for noise control purposes;
- The buildings require exterior wall construction meeting a minimum STC rating of 54 (such as brick veneer). With this wall construction;
 - Building 1 requires exterior window construction up to STC 36; and
 - Building 2 requires exterior window construction up to STC 34.
 - Final wall and window STC requirements should be reviewed when detailed building plans and architectural drawings are available.

The stationary noise source with the potential for impact at the subject site is the Days Inn hotel immediately west of the proposed development. The facility includes a 5-storey hotel, a flanking 2-storey motel and an adjoining restaurant. Grade level parking is provided around the exterior of the buildings. Based on an assessment of the mechanical equipment associated with the facility, the applicable stationary noise source guideline limits are expected to be met at the subject site without mitigation measures.

1.0 INTRODUCTION

VCL previously prepared an Environmental Noise Feasibility Study for the proposed residential development, dated September 16, 2021. This update report has been prepared to address revisions to the Site Plan. Most notably, the townhouse blocks have been replaced with two 9-storey condominium apartment buildings.

The sound levels and noise mitigation measures required for the proposed development to comply with the applicable MECP noise guideline limits are outlined herein.

1.1 DESCRIPTION OF THE SITE AND SURROUNDING AREA

The subject site is located at 7230 Lundy's Lane, southeast of the Queen Elizabeth Way (QEW) underpass at Lundy's Lane in the City of Niagara Falls. The proposed development site is bounded by:

- Lundy's Lane, with 1 to 2-storey commercial/retail buildings beyond, to the north;
- A public trail and hydro corridor to the east;
- Existing green space to the south; and
- An existing hotel, motel and restaurant, with the QEW beyond, to the west.

A Key Plan is included as Figure 1.

This study is based on architectural drawings prepared by Jason Pizzicarola Design Architects Inc., dated February 29, 2024. The Proposed Site Plan from the drawing set is included as Figure 2. The architectural drawings are included as Appendix D.

1.2 THE PROPOSED DEVELOPMENT

The proposed development will include two 9-storey condominium apartment buildings, Buildings 1 and 2. Building 1 will front onto Lundy's Lane to the north and Building 2 will be located at the rear of the property. Grade level parking will be provided between the two buildings, accessible from a shared drive aisle along the west side of the property. Small (less than 4 m in depth) grade level terraces will be provided along the north, east and west sides of Building 1, and east, west and south sides of Building 2. Small balconies/terraces will also be provided for the remaining units above.

2.0 NOISE SOURCES

2.1 TRANSPORTATION NOISE SOURCES

The transportation noise sources with potential to impact the proposed development include road traffic along Lundy's Lane to the north and the QEW to the west. Traffic volumes or noise from other roadways are anticipated to be minor and no significant impacts are expected at the subject site. Thus, these roadways have not been considered further in the assessment.

Road traffic data used in the assessment are summarized in Table 1. Traffic data correspondence is provided in Appendix A.

2.1.1 Road Traffic Sources

2.1.1.1 Lundy's Lane

- Traffic volumes taken in September 2021 for Lundy's Lane were obtained from the Niagara Region Transportation Systems & Planning Department in the form of a 24-hour count. Traffic counts for Lundy's Lane were also obtained from Traffic Survey Analysis Inc. (TSA) in the form of a one-week traffic count between March 9 and March 15, 2021. The September traffic data was used in the assessment, as the traffic volumes were higher than those in the March traffic counts.
- As required by Niagara Region, the traffic data was projected to the future 20-year design condition (year 2044) using a growth rate of 2%, compounded annually.
- A day/night split of 93%/7% was obtained from the March traffic counts.
- Medium/heavy truck percentages of 5.6%/5.5% were obtained from the March traffic counts as these were higher than those calculated from the September traffic counts. Thus, making the analysis conservative.

2.1.1.2 QEW

- Ultimate road traffic data for the QEW was obtained from the Ontario Ministry of Transportation (MTO).
- The MTO data included an overall truck percentage of 11%.
- Traffic counts for the QEW were also obtained from Traffic Survey Analysis Inc. (TSA) in the form of a one-week traffic count between March 9 and March 15, 2021. The 2021 data was used to determine the medium/heavy truck ratios (27%/73%) and the day/night split (91%/9%), as this information was not provided by the MTO.

2.2 STATIONARY NOISE SOURCES

The stationary noise sources with potential to impact the subject site are the existing Days Inn hotel/motel and adjoining restaurant immediately west of the development. VCL staff visited the buildings on March 8, 2021 to complete observations at the facility. The significant noise sources include rooftop and ground-level mechanical equipment. An assessment of the noise impact from this facility onto the subject site is detailed in Section 4.2 below.

An existing two-storey commercial building and one-storey restaurant are located north of the proposed development, on the north side of Lundy's Lane. The noise sources at these buildings are expected to be rooftop HVAC units and exhaust fans. Based on the distance setback and presence of the intervening Lundy's Lane (which contributes to a higher ambient sound level in the area), significant noise impact from these buildings is not expected. This was confirmed during a site visit by VCL staff on March 8, 2021, where noise from these buildings was not audible at the subject site over the road traffic noise. As such, these buildings have not been considered further in the assessment.

There are no other stationary noise sources in the vicinity of the development that are expected to create a significant noise impact at the subject site.

3.0 ENVIRONMENTAL NOISE GUIDELINES

3.1 TRANSPORTATION SOURCES

3.1.1 MECP Publication NPC-300

The applicable noise guidelines for new residential development are those in MECP Publication NPC-300, “Environmental Noise Guideline, Stationary and Transportation Sources - Approval and Planning”.

The environmental noise guidelines of the MECP, as provided in Publication NPC-300, are discussed briefly below and summarized in Appendix B.

3.1.1.1 Architectural Elements

In the daytime, the indoor criterion for road traffic noise is $L_{eq\ Day}^{(1)}$ of 45 dBA for sensitive spaces such as living/dining rooms, dens and bedrooms. At night, the indoor criterion for road traffic noise is $L_{eq\ Night}^{(2)}$ of 45 dBA for sensitive spaces such as living/dining rooms and dens and 40 dBA for bedrooms.

The architectural design of the building envelopes (walls, windows, etc.) must provide adequate sound isolation to achieve these indoor sound level limits, based on the applicable outdoor sound levels predicted on the building facades.

3.1.1.2 Ventilation

In accordance with the MECP noise guideline for road traffic sources, if the daytime sound level, $L_{eq\ Day}$, at the exterior face of a noise sensitive window is greater than 65 dBA or if the nighttime sound level exceeds 60 dBA ($L_{eq\ Night}$), means must be provided so that windows can be kept closed for noise control purposes and central air conditioning is required. For daytime sound levels between 56 dBA and 65 dBA inclusive, or nighttime sound levels between 51 dBA and 60 dBA inclusive, there need only be the provision for adding air conditioning at a later date.

A warning clause advising the occupant of the potential interference with some activities is also required.

3.1.1.3 Outdoors

For outdoor amenity areas (“Outdoor Living Areas” - OLA’s), the guideline is 55 dBA $L_{eq\ Day}$ (0700 to 2300 hours), with an excess not exceeding 5 dBA considered acceptable if it is technically not practicable to achieve the 55 dBA objective and provided warning clauses are registered on title. Note that for road sources, a balcony is not considered an OLA unless it is:

- the only OLA for the occupant;
- at least 4 m in depth; and
- unenclosed.

(1) 16-hour energy equivalent sound level (0700-2300 hours).

(2) 8-hour energy equivalent sound level (2300-0700 hours).

3.1.2 Niagara Region

Niagara Region noise guidelines are contained in a Public Works Department Policy Manual PW5.NO1.0, Regional Road Traffic Noise Control, dated November 9, 2006.

The noise requirements for new developments are very similar to the MECP requirements described above. Note that Niagara Region requires traffic volumes to be projected to a design condition 20 years in the future for regional roads.

3.2 STATIONARY SOURCES

Stationary sources are treated differently by the MECP guideline than transportation sources of noise such as road traffic. Stationary source noise criteria used for noise impact assessment are dependent on the type of area and the ambient sound environment.

The site and area are considered Class 1 – i.e., an area where the ambient sound environment is dominated by “urban hum”, primarily traffic noise. This is due to the proximity to the area road network, including Lundy’s Lane and the QEW in particular.

3.2.1 MECP Noise Guideline Publication NPC-300

MECP Publication NPC-300 states that the guideline limits for stationary sources shall be defined by the higher of the ambient sound level, due to road traffic noise, or the minimum exclusion limits for a Class 1 area of 50 dBA daytime (0700 to 1900 hours), 50 dBA evening (1900 to 2300 hours) and 45 dBA nighttime (2300 to 0700 hours). The limits apply at a noise sensitive plane of window (POW) at all times or at an outdoor point of reception (OPOR) in the daytime and evening only. There are no sound level limits for OPORs at night.

The MECP requires a “worst case” one-hour operating scenario be analysed. This would typically occur when the background ambient sound level is at a minimum and the noise generated from the stationary noise sources is at a maximum.

The guideline limits apply to habitable spaces such as living/dining/family rooms and sleep areas. No indoor sound level guidelines are provided for stationary sources.

4.0 NOISE IMPACT ASSESSMENT

4.1 TRANSPORTATION NOISE SOURCES

4.1.1 Assessment Method

Using the road traffic data in Table 1, the sound levels, in terms of equivalent sound pressure levels during the daytime and nighttime periods ($L_{eq \text{ Day}}$ and $L_{eq \text{ Night}}$), were determined using STAMSON V5.04 – ORNAMENT, the computerized road traffic noise prediction model of the MECP. The QEW northbound and southbound lanes were modelled as two separate road sources.

The daytime and nighttime sound levels at the building facades were calculated at the worst-case top floor window heights of 27.5 m above grade. The OLA sound levels were assessed at a standing height of 1.5 m above grade, at the centre of the grade level terraces. The topography

of the QEW relative to the site was obtained from Google Earth and used to assess the sound levels at the OLAs. The facade calculations were based on flat topography.

Inherent screening of each building face due to its orientation to the noise source was taken into account. To be conservative, screening from existing developments in the vicinity were not included in the assessment for facade sound level calculations. Screening from the Days Inn hotel, motel and adjoining restaurant were accounted for in the OLA sound level calculations.

4.1.2 Assessment Results

The highest predicted daytime/nighttime sound levels at the building facades are 74 dBA / 66 dBA and occur along the west facade of Building 1, at the northwest corner of the building. For the outdoor amenity spaces, the highest predicted unmitigated daytime sound level of 70 dBA occurs at the north side of Building 1, adjacent to Lundy's Lane.

Table 2 summarizes the unmitigated daytime and nighttime sound level predictions for several points of reception. Sample calculations are provided in Appendix C.

4.1.3 Noise Control Requirements

The noise control requirements can generally be classified into two categories which are interrelated, but which can be treated separately for the most part:

- a) Architectural elements to achieve acceptable indoor noise guidelines;
- b) Design features to protect the OLA's.

Noise abatement requirements are summarized on Figure 2 and in Table 3 along with the notes to Table 3.

4.1.3.1 Indoors

4.1.3.1.1 *Architectural Elements*

The indoor sound level guidelines for the transportation sources can be achieved by using appropriate construction for exterior walls, windows and doors. In determining the worst-case requirements for the building, the exterior wall and window to floor areas were assumed to be 50%/50%, respectively, for a corner room with both facades exposed to the noise sources.

Based on the predicted sound level at the facades, both buildings require exterior wall construction meeting a minimum STC rating of 54 (such as brick veneer). With this wall construction:

- Building 1 requires exterior window construction up to STC 36; and
- Building 2 requires exterior window construction up to STC 34.

The window frames themselves must be designed to ensure that the overall sound isolation performance for the entire window unit meets the sound isolation requirement. This will need to be confirmed by the window manufacturer through the submission of acoustical test data.

The final sound isolation requirements should be reviewed when architectural plans are finalized. Wall and window constructions should also be reviewed at this point to ensure that the required sound isolation performance is met.

4.1.3.1.2 *Ventilation Requirements*

Based on the predicted sound levels, all residential suites in Buildings 1 and 2 require air conditioning to allow windows to remain closed for noise control purposes.

4.1.3.2 Outdoors

The predicted sound levels at the grade level outdoor amenity spaces along the north, east and west sides of Building 1 are up to 70 dBA. To meet the 55 dBA design target of the MECP, sound barriers up to 5.0 m high sound barrier would be required. To meet the 60 dBA upper allowable limit of the MECP, sound barriers up to 2.8 m high sound barrier would be required. These sound barriers are not considered feasible, as they would essentially enclose the small patios. Similar to elevated balconies above (which are less than 4 m in depth and not considered OLAs under the MECP definitions), the grade-level patios are less than 4 m in depth and should not be considered OLAs. As such, providing sound barriers to mitigate the noise levels to the MECP design targets is not considered warranted.

The predicted sound levels at the grade level outdoor amenity spaces along the west and south sides of Building 2 are up to 58 dBA. Sound barriers up to 2.3 m in height would be required to meet the 55 dBA design target. These sound barriers are not considered feasible, as they would essentially enclosure the outdoor patios. As the predicted sound levels meet the upper allowable 60 dBA limit of the MECP, sound barriers are not considered warranted at these locations.

The predicted sound level at the grade level outdoor amenity space along the east side of Building 2 is 54 dBA. As the sound level meets the 55 dBA design target of the MECP, sound barriers are not required at this location for noise control purposes.

The remaining elevated balconies in the development are less than 4 m in depth and not considered OLAs under the MECP guidelines.

4.1.3.3 Warning Clauses

Warning clauses are a tool to inform prospective owners/occupants of potential annoyance due to existing noise sources. Where the guideline sound level limits are exceeded, appropriate warning clauses should be registered on title or included in the development agreement that is registered on title. The warning clauses should also be included in agreements of Offers of Purchase and Sale and lease/rental agreements to make future occupants aware of the potential noise situation.

Table 3 and notes to Table 3 summarize the warning clauses for the site.

4.2 STATIONARY NOISE SOURCES

There is an existing Days Inn hotel immediately west of the proposed development. The facility includes a 5-storey hotel, a flanking 2-storey motel and an adjoining restaurant. Grade level

parking is provided around the exterior of the buildings. VCL visited the facility on March 8, 2021 to complete observations around the site.

The significant noise sources at the hotel, motel and restaurant are:

- The restaurant includes two rooftop HVAC units and two exhaust fans on the roof of the building (Source ID's: RTU01/02 and EF01/02) and two small refrigeration units at grade at the southeast corner of the building (Source ID's: REF01/02);
- The motel includes two small air conditioners on the roof of the building adjacent to the hotel (Source ID's: AC01/02); and
- The hotel includes two air handling units and two air conditioners on the roof of the building (Source ID's: RTU03/04 and AC03/04) and.

Locations of the noise sources are shown on Figure 3.

The restaurant was vacant at the time of the site visit, and all associated rooftop and grade level mechanical equipment had been disconnected. It is anticipated that the mechanical equipment will be recommissioned in the future when a new tenant is selected.

Sound data for the rooftop equipment was based on manufacturer product data or sound measurements completed by VCL staff at similar facilities.

The sound data for the noise sources are summarized in Table 4. Sample calculations are provided in Appendix D.

4.2.1 Operating Scenarios

The MECP noise guidelines require assessing the noise impact during the “predictable worst case” hour. The scenarios considered reflect the worst-case operating condition, as required by the MECP guidelines.

Operating conditions at the buildings were based on previous jobs completed by VCL staff at similar facilities.

Two operating scenarios were analysed representing a peak daytime/evening hour (0700 to 2300 hour) and a peak nighttime hour (2300-0700 hours). The operating scenarios are:

- Daytime/Evening hour:
 - Rooftop units, refrigeration units and air conditioners operating at 100% duty cycle (i.e., operating for the entire hour); and
 - Exhaust fans operating for the entire hour.
- Nighttime hour:
 - Rooftop units, refrigeration units and air conditioners operating at 50% duty cycle (i.e., only operating for 30 minutes of the hour); and
 - Exhaust fans not operating.

4.2.2 Noise Sensitive Receptors

Three (3) noise sensitive receptors were used to assess the noise impact on the subject site. The receptors are described as:

- POW_01 – representing the top floor window (height = 27.5 m), west facade of Building 1;
- POW_02 – representing the top floor window (height = 27.5 m), south facade of Building 1; and
- POW_03 – representing the top floor window (height = 27.5 m), north facade of Building 2.

The assessment receptors represent the worst-case locations as determined using the building evaluation or grid calculation features in CadnaA. The building evaluation feature was used to calculate the highest sound level at any storey, at multiple points on the building facades.

The locations of the assessment receptors are shown on Figure 3.

As previously noted, all balconies/terraces within the development are less than 4 m in depth, and therefore would not be considered outdoor points of reception (OPORs) under the MECP definitions.

4.2.2.1 Applicable Sound Level Limits

The noise environment at the site is dominated by road traffic along Lundy's Lane and the QEW, most notable at the receptors along the north and west sides of Building 1.

The one-week traffic count obtained from TSA (taken between March 9 and March 15, 2021) was used to determine the ambient sound level at the subject site.

The lowest hourly traffic volumes during the daytime (0700 to 1900 hours), evening (1900 to 2300 hours) and nighttime (2300 to 0700 hours) were used in the assessment. The percentage of trucks was obtained from the study.

Minimum ambient sound levels at the receptors were predicted using the CadnaA implementation of the RLS-90 traffic noise model. This is considered conservative as RLS-90 predicts sound levels that are typically lower than those predicted using the MECP ORNAMENT/STAMSON model.

The minimum exclusion limits were used as the guideline limit for POW_02 and POW_03, as the receptors are screened or setback from the roadways.

Table 5 shows the applicable guideline limit at each receptor.

4.2.3 Analysis Method

A 3-D acoustic model of the proposed development and surrounding area was developed using CadnaA V2023 MR1 environmental noise modeling software, which follows the protocol of ISO Standard 9613-2, "Acoustics – Attenuation of Sound During Propagation Outdoors", to predict sound levels at each of the receptor locations. Accounting for distance, atmospheric absorption and ground attenuation, the sound level from all the relevant noise sources (hourly L_{eq}) was determined at the worst-case plane of window (POW) points of reception on at the proposed residential development.

Hard ground (G = 0) was used for the paved areas and soft ground (G = 1) was used elsewhere. Two orders of sound reflection from the building facades were included in the model.

4.2.4 Assessment Results

Table 5 and Figure 3 show the predicted sound levels at the assessment receptors, together with the applicable guideline limits.

The assessment indicates that the sound levels at the subject site are predicted to meet the noise guideline limits. Therefore, mitigation measures are not anticipated for the adjacent hotel motel and restaurant.

5.0 CONCLUSIONS

With appropriate acoustical design of the development, a suitable acoustical environment can be provided and the applicable MECP noise guideline requirements met.

6.0 REFERENCES

1. PC STAMSON 5.04, "Computer Program for Road Traffic Noise Assessment", Ontario Ministry of the Environment and Climate Change.
2. Building Practice Note No. 56: "Controlling Sound Transmission into Buildings", by J. D. Quirt, Division of Building Research, National Council of Canada, September 1985.
3. "Environmental Noise Assessment in Land-Use Planning 1987", Ontario Ministry of the Environment, February 1987, ISBN 0-7729-2804-5.
4. "Road and Rail Noise: Effects on Housing", Canada Mortgage and Housing Corporation, Publication NHA 5156, 81/10.
5. "Environmental Noise Guideline, Stationary and Transportation Sources – Approval and Planning", Ontario Ministry of the Environment, Publication NPC-300, October 2013.
6. Environmental Noise Feasibility Study, 7280 Lundy's Lane, Niagara Falls" Version 1.0, prepared by Valcoustics Canada Ltd., dated September 16, 2021.

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TABLE 1 ROAD TRAFFIC DATA

Roadway	Year	Average Daily Traffic	% Trucks		Day/Night Split (%)	Speed Limit (kph)
			Medium	Heavy		
Lundy's Lane ⁽¹⁾	2021	23 931	5.6 ⁽²⁾	5.5 ⁽²⁾	93 / 7 ⁽²⁾	50
	2044	37 737				
QEW ⁽³⁾	Ultimate	85 000	3.0 ⁽³⁾⁽²⁾	8.0 ⁽³⁾⁽²⁾	91 / 9 ⁽²⁾	100

Notes:

- (1) Traffic data was obtained from Niagara Region Transportation Systems and Planning Department, and the calculated AADT was projected to the year 2044 using a 2.0% annual growth rate. The day/night split was obtained from the traffic counts.
- (2) Day/night and medium/heavy truck splits obtained from the 2021 March traffic counts by TSA.
- (3) Ultimate traffic counts provided by the MTO. The MTO data included the overall truck percentage.

TABLE 2 PREDICTED UNMITIGATED SOUND LEVELS OUTDOORS

Receptor	Location ⁽¹⁾	Source	Distance (m) ⁽²⁾	L _{eq} Day (dBA)	L _{eq} Night (dBA)
R1	Building 1 Northwest Corner North Facade	Lundy's Lane	21	71	63
		QEW - Northbound	152	66	59
		QEW - Southbound	169	66	59
		Total	-	73	66
R2	Building 1 Northwest Corner West Facade	Lundy's Lane	21	68	60
		QEW - Northbound	152	69	62
		QEW - Southbound	169	69	62
		Total	-	74	66
R3	Building 2 Northwest Corner North Facade	Lundy's Lane	103	61	53
		QEW - Northbound	152	69	62
		QEW - Southbound	169	69	62
		Total	-	72	65
R4	Building 1 North OLA	Lundy's Lane	19	69	-
		QEW - Northbound	164	58	-
		QEW - Southbound	182	58	-
		Total	-	70	-
R5	Building 1 West OLA	Lundy's Lane	29	63	-
		QEW - Northbound	152	58	-
		QEW - Southbound	169	59	-
		Total	-	66	-
R6	Building 2 West OLA	Lundy's Lane	109	48	-
		QEW - Northbound	152	55	-
		QEW - Southbound	169	54	-
		Total	-	58	-
R7	Building 2 South OLA	QEW - Northbound	163	53	-
		QEW - Southbound	180	53	-
		Total	-	56	-
R8	Building 2 East OLA	Lundy's Lane	109	54	-

Notes:

- (1) See Figure 2.
- (2) Distance indicated is taken from the centreline of the noise source to the point of reception.
- (3) Nighttime sound levels are not applicable for outdoor living areas (OLA's).

TABLE 3 NOISE ABATEMENT MEASURES

Location	Air Conditioning ⁽¹⁾	Exterior Wall ⁽²⁾	Exterior Window ⁽³⁾	Sound Barrier ⁽⁴⁾	Warning Clauses ⁽⁵⁾
Building 1	Mandatory	STC 54	Up to STC 36	-	A + B + C
Building 2	Mandatory	STC 54	Up to STC 34	-	A + B + C

Notes:

- (1) Central air conditioning allows windows to remain closed for noise control purposes. Provision for adding air conditioning typically takes the form of a ducted ventilation system suitably sized to permit the addition of central air conditioning by the occupant.
- (2) STC – Sound Transmission Class Rating (Reference ASTM-E413). STC values are based upon calculated and assumed percentages of wall and window area to associated floor area and should be reviewed once building plans are finalized.
- (3) STC – Sound Transmission Class Rating (Reference ASTM-E413). A sliding glass walkout door should be considered as a window and be included in the percentage of glazing. STC values are based upon calculated and assumed percentages of wall and window area to associated floor area and should be reviewed once building plans are finalized.

The window STC rating applies to the entire window assembly and not just the glazing. The window supplier should provide acoustical laboratory test data (following a recognized test standard) for the intended windows indicating the STC rating requirement can be met.
- (4) Acoustic barriers must be of solid construction, having a minimum face density of 20 kg/m² with no gaps, cracks or holes. A variety of materials are available, including concrete, masonry, glass, wood, specialty composite materials, or a combination of the above.
- (5) Warning clauses to be registered on title and be included in Offers of Purchase and Sale for designated lots:
 - A. "Purchasers/tenants are advised that despite the inclusion of noise control features in the development and within the building units, sound levels due to increasing road traffic may occasionally interfere with some activities of the dwelling occupants as the sound level may exceed the noise criteria of the Ministry of the Environment, Conservation and Parks and/or the municipality."
 - B. "This dwelling unit has been supplied with an air conditioning system which will allow windows and exterior doors to remain closed, thereby ensuring that the indoor sound levels are within the noise criteria of the Ministry of the Environment, Conservation and Parks and/or the municipality."
 - C. "Purchasers/tenants are advised that due to the proximity of the neighbouring hotel, motel and restaurant, noise from these facilities may at times be audible."
- (6) All exterior doors shall be fully weather-stripped.

TABLE 4 SUMMARY OF STATIONARY NOISE SOURCES⁽¹⁾

Source ID ⁽¹⁾	Unit Description	Make/Model	Sound Power Level (dBA)	Source Height (m) ⁽⁴⁾
RTU01	Restaurant Rooftop Unit	York / ZF090N15N2AAA5A	89 ⁽²⁾	1.5
RTU02	Restaurant Rooftop Unit	Tempstar / PGF060H140B	89 ⁽³⁾	1.2
EF01/02	Restaurant Exhaust Fan	Fumex / 18bft	77 ⁽³⁾	0.7
REF01	Restaurant Refrigeration Unit	Trenton / TEHA008E6	82 ⁽³⁾	1.4 ⁽⁵⁾
REF02	Restaurant Refrigeration Unit	Russel / ?unknown?	82 ⁽³⁾	1.4 ⁽⁵⁾
AC01	Motel AC Unit	Rheem / RA1360AJ1NA	72 ⁽²⁾	1.0
AC02	Motel AC Unit	Rheem / 13AJN24A01	73 ⁽²⁾	0.8
AC03/04	Hotel AC Unit	Daikin / DX13SA0483AD	84 ⁽³⁾	1.2
RTU03/04	Hotel Rooftop Unit	Bousquet / LDE-240-2.0-RH-THD-E	80 ⁽³⁾	1.3

Notes:

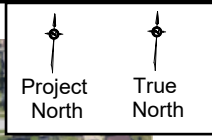
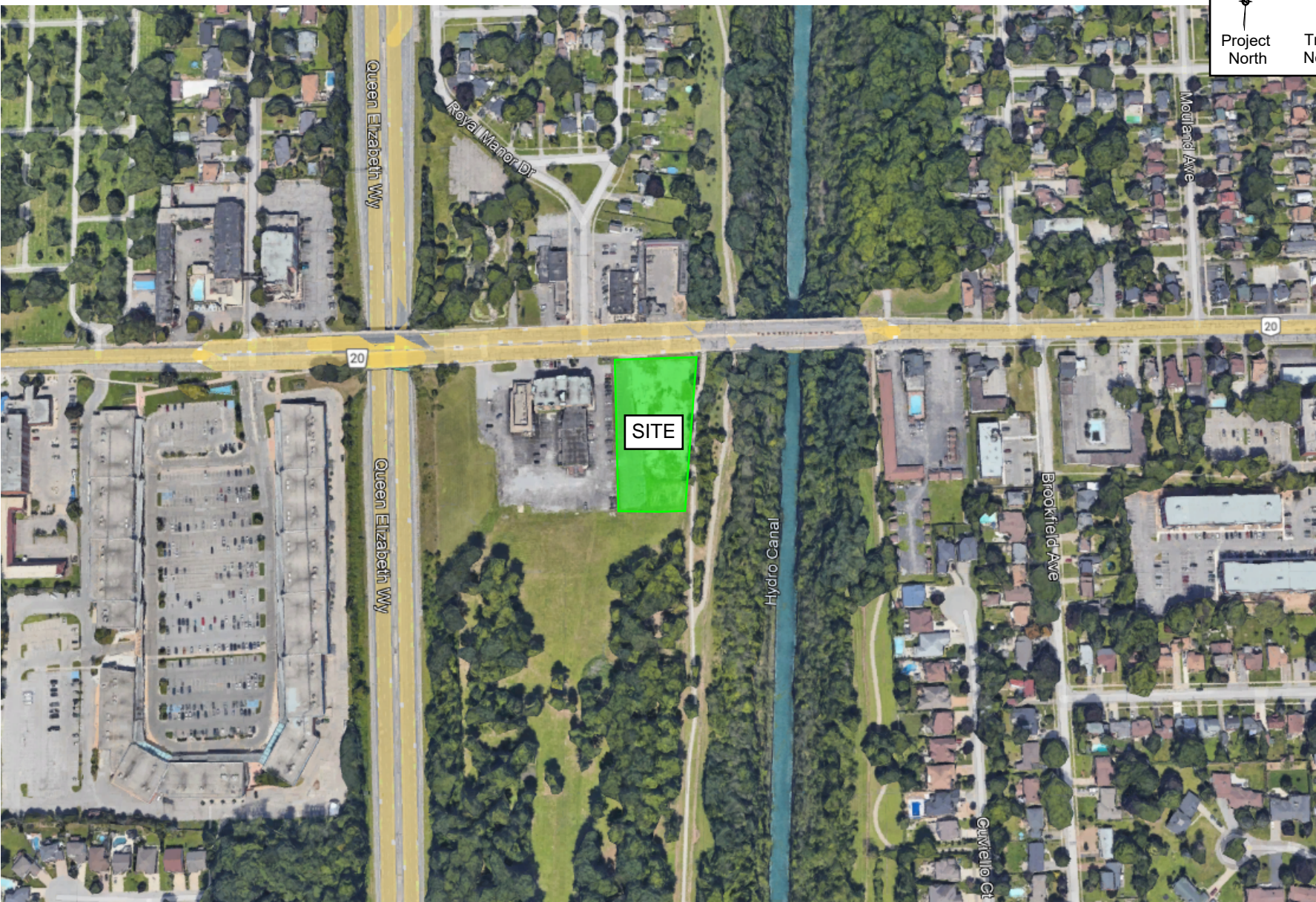
- (1) See Figure 3 for source locations.
- (2) Based on manufacturer's sound data.
- (3) Based on typical sound data for similar equipment.
- (4) Source height relative to the height of the roof slab, unless otherwise noted.
- (5) Source height relative to grade.

TABLE 5 UNMITIGATED PREDICTED SOUND LEVELS DUE TO STATIONARY SOURCES

Receptors ⁽¹⁾	Predicted Hourly Sound Level (dBA)		Guideline Limit (dBA) ⁽²⁾	
	Daytime and Evening (0700 to 2300)	Nighttime (2300 to 0700)	Daytime and Evening (0700 to 2300)	Nighttime (2300 to 0700)
POW_01	49	46	60 ⁽³⁾	51 ⁽³⁾
POW_02	43	40	50	45
POW_03	45	42	50	45

Notes:

- (1) See Figure 3 for receptor locations.
- (2) The minimum exclusion limits for a Class 1 area, unless otherwise noted.
- (3) Guideline limits defined by ambient road traffic noise.



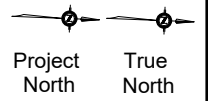
Title
Key Plan
 Project Name
7230 Lundy's Lane

Date
March 25, 2024
 Project No.
120-0283.000


Figure
1

Legend

- ◆ Air Conditioning Required for All Suites
- Transportation Noise Assessment Locations



Base drawing prepared by Jason Pizzicarola Design Architects Inc.,

 <p>VALCOUSTICS Canada Ltd. consulting acoustical engineers</p>	<p>Title Proposed Site Plan</p>	<p>Date Mar 25, 2024</p>	<p>Figure 2</p>
	<p>Project Name 7230 Lundy's Lane</p>	<p>Project No. 120-0283.000</p>	

Legend:

Site Boundary

Receptor

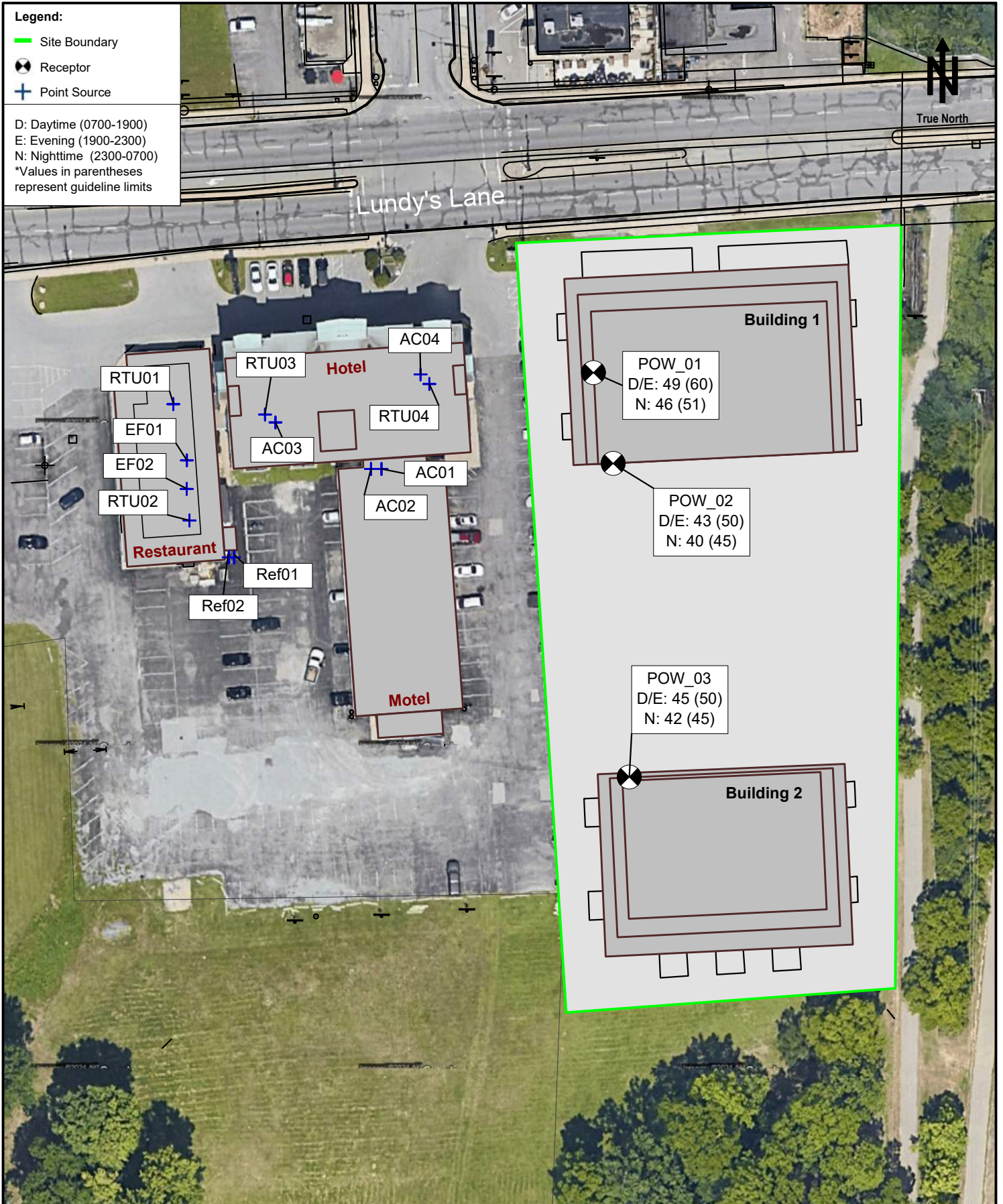
Point Source

D: Daytime (0700-1900)

E: Evening (1900-2300)

N: Nighttime (2300-0700)

*Values in parentheses represent guideline limits



Title	Predicted Sound Levels - Unmitigated (dBA)
Project Name	7230 Lundy's Lane, Niagara Falls

Date	2024-03-25
Project No.	120-0283.000

Figure	3
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APPENDIX A

ROAD TRAFFIC DATA

**MH Corbin Traffic Analyzer Study
 Computer Generated Summary Report
 City: Niagara Region
 Street: 610306 - EB
 Location: 610306**

A study of vehicle traffic was conducted with the device having serial number 405294. The study was done in the EB lane at 610306 - EB in Niagara Region, ON in county. The study began on 2021-08-31 at 12:00 AM and concluded on 2021-09-01 at 12:00 AM, lasting a total of 24.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 12,060 vehicles passed through the location with a peak volume of 258 on 2021-08-31 at [05:30 PM-05:45 PM] and a minimum volume of 9 on 2021-08-31 at [03:45 AM-04:00 AM]. The AADT count for this study was 12,060.

SPEED

Chart 1 lists the values of the speed bins and the total traffic volume for each bin. At least half the vehicles were traveling in the 39 KM/H range or lower. The average speed for all classified vehicles was 39 KM/H with 24.54% vehicles exceeding the posted speed of 50 KM/H. 0.00% percent of the total vehicles were traveling in excess of 89 KM/H. The mode speed for this traffic study was 39KM/H and the 85th percentile was 53.76 KM/H.

< to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95 to 99	100 to 104	105 to >
4342	1945	2783	1524	830	335	147	71	22	21	0	0	0	0	0

CHART 1

CLASSIFICATION

Chart 2 lists the values of the classification bins and the total traffic volume accumulated for each bin. Most of the vehicles classified during the study were Passenger Vehicles. The number of Passenger Vehicles in the study was 11679 which represents 97 percent of the total classified vehicles. The number of Small Trucks in the study was 110 which represents 1 percent of the total classified vehicles. The number of Trucks/Buses in the study was 121 which represents 1 percent of the total classified vehicles. The number of Tractor Trailers in the study was 110 which represents 1 percent of the total classified vehicles.

< to 4.9	5.0 to 7.9	8.0 to 9.9	10.0 to 12.9	13.0 to 15.9	16.0 to 18.9	19.0 to 21.9	22.0 to >							
6183	5496	110	121	50	15	38	7							

CHART 2

HEADWAY

During the peak traffic period, on 2021-08-31 at [05:30 PM-05:45 PM] the average headway between vehicles was 3.475 seconds. During the slowest traffic period, on 2021-08-31 at [03:45 AM-04:00 AM] the average headway between vehicles was 90 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 25.00 and 44.00 degrees C.

**MH Corbin Traffic Analyzer Study
 Computer Generated Summary Report
 City: Niagara Region
 Street: 610306 - WB
 Location: 610306**

A study of vehicle traffic was conducted with the device having serial number 405077. The study was done in the WB lane at 610306 - WB in Niagara Region, ON in county. The study began on 2021-08-31 at 12:00 AM and concluded on 2021-09-01 at 12:00 AM, lasting a total of 24.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 11,871 vehicles passed through the location with a peak volume of 247 on 2021-08-31 at [05:15 PM-05:30 PM] and a minimum volume of 11 on 2021-08-31 at [04:30 AM-04:45 AM]. The AADT count for this study was 11,871.

SPEED

Chart 1 lists the values of the speed bins and the total traffic volume for each bin. At least half the vehicles were traveling in the 45 - 50 KM/H range or lower. The average speed for all classified vehicles was 49 KM/H with 41.14% vehicles exceeding the posted speed of 50 KM/H. 0.00% percent of the total vehicles were traveling in excess of 89 KM/H. The mode speed for this traffic study was 45KM/H and the 85th percentile was 57.26 KM/H.

< to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95 to 99	100 to 104	105 to >
841	1763	4360	2509	1288	633	256	109	48	24	0	0	0	0	0

CHART 1

CLASSIFICATION

Chart 2 lists the values of the classification bins and the total traffic volume accumulated for each bin. Most of the vehicles classified during the study were Passenger Vehicles. The number of Passenger Vehicles in the study was 11624 which represents 98 percent of the total classified vehicles. The number of Small Trucks in the study was 55 which represents 0 percent of the total classified vehicles. The number of Trucks/Buses in the study was 83 which represents 1 percent of the total classified vehicles. The number of Tractor Trailers in the study was 69 which represents 1 percent of the total classified vehicles.

< to 4.9	5.0 to 7.9	8.0 to 9.9	10.0 to 12.9	13.0 to 15.9	16.0 to 18.9	19.0 to 21.9	22.0 to >							
5681	5943	55	83	25	6	37	1							

CHART 2

HEADWAY

During the peak traffic period, on 2021-08-31 at [05:15 PM-05:30 PM] the average headway between vehicles was 3.629 seconds. During the slowest traffic period, on 2021-08-31 at [04:30 AM-04:45 AM] the average headway between vehicles was 75 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 24.00 and 45.00 degrees C.

Greg Dennis

From: Tai, Arthur (MTO) <Arthur.Tai@ontario.ca>
Sent: January 29, 2024 4:12 PM
To: Greg Dennis
Subject: RE: Traffic Data Request - QEW near Lundy's Lane (VCL file: 1200283.000)

Importance: Low

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Dennis

In response to your request please find below the revised information available from this office for the QEW south of Highway 420.

2019 AADT = 47,500
2019 SADT = 52,200
Number of through lanes = 4
Ultimate AADT = 76,000
Ultimate SADT = 85,000
Ultimate number of through lanes = 4
Posted Speed = 100 km/hr
Percentage of Trucks = 11%

Please note that the above information is estimated based upon our current knowledge of the area, which may be subject to change in the future. Other information related to ROW and gradient will be available from Central Region Traffic Office.

If you require further information, please don't hesitate to contact me.

Regards,

From: Greg Dennis <greg@valcoustics.com>
Sent: Monday, January 29, 2024 9:00 AM
To: Tai, Arthur (MTO) <Arthur.Tai@ontario.ca>
Subject: RE: Traffic Data Request - QEW near Lundy's Lane (VCL file: 1200283.000)

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

Good morning Arthur,

I hope you are doing well. I am updating a noise study for a proposed development southeast of the QEW and Lundy's Lane overpass in Niagara falls. Can you confirm if the road traffic data below for the QEW is still valid?

Thank you,

Greg Dennis, P.Eng.
Acoustical Engineer



30 Wertheim Court, Unit 25
Richmond Hill, Ontario
Canada L4B 1B9
Tel: 905-764-5223 ext. 236
Fax: 905-764-6813
greg@valcoustics.com

From: Caimano, Riccardo (MTO) <Riccardo.Caimano@ontario.ca>
Sent: Monday, February 1, 2021 3:24 PM
To: Greg Dennis (VCL) <greg@valcoustics.com>
Cc: Alam, Ahsan (MTO) <Ahsan.Alam@ontario.ca>
Subject: RE: Traffic Data Request (VCL file: 1200283.000)

Hi Greg,

In response to your request please find below the information available from this office for the QEW south of Highway 420.

2016 AADT = 45,100
2016 SADT = 50,000
Number of through lanes = 4
Ultimate AADT = 76,000
Ultimate SADT = 85,000
Ultimate number of through lanes = 4
Posted Speed = 100 km/hr
Percentage of Trucks = 16%

Please note that the above information is estimated based upon our current knowledge of the area, which may be subject to change in the future. Other information related to ROW and gradient will be available from Central Region Traffic Office.

If you require further information, please don't hesitate to contact me.

Regards,
Riccardo Caimano | Planner
Systems Analysis and Forecasting Office
Ministry of Transportation Ontario
Mobile: 416.587.9098 | E: Riccardo.Caimano@ontario.ca

From: Alam, Ahsan (MTO) <Ahsan.Alam@ontario.ca>
Sent: February 1, 2021 11:12 AM
To: Greg Dennis (VCL) <greg@valcoustics.com>
Cc: Caimano, Riccardo (MTO) <Riccardo.Caimano@ontario.ca>
Subject: FW: Traffic Data Request (VCL file: 1200283.000)

Hi Greg,

I am doing well. I also hope you are doing well. I am forwarding the request to Riccardo (copied in the email) who will take care of the noise requests from now.

Have a wonderful day.

-Ahsan

From: Greg Dennis (VCL) <greg@valcoustics.com>

Sent: February 1, 2021 11:01 AM

To: Alam, Ahsan (MTO) <Ahsan.Alam@ontario.ca>

Subject: Traffic Data Request (VCL file: 1200283.000)

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

Hi Ahsan,

I hope you are doing well.

I am working on a noise study for a proposed residential development southeast of the QEW and Lundy's Lane overpass in Niagara falls. See attached google earth of reference.

Can you please provide ultimate traffic data for the QEW, south of Highway 420?

Thank you,

Greg Dennis, P.Eng.

Acoustical Engineer



30 Wertheim Court, Unit 25
Richmond Hill, Ontario
Canada L4B 1B9
Tel: 905-764-5223 ext. 236
Fax: 905-764-6813
greg@valcoustics.com

Basic Speed Classification Report: V21001 NB

Station ID : V21001 NB

Info Line 1 : QEW 1.44 km N of

Info Line 2 : MCLEOD RD. IC 27

GPS Lat/Lon :

DB File : V21001 NB.DB

Last Connected Device Type : Phoenix

Version Number : 2.39

Serial Number : 51732

Number of Lanes : 2

Posted Speed Limit : 100.0 kph

Lane #1 Configuration

#	Dir.	Information	Vehicle Sensors	Sensor Spacing	Loop Length	Comment
1.	N	NB 1 LANE	Pr-Pr	360 cm	201 cm	

Lane #1 Basic Speed Classification Data From: 00:00 - 03/09/2021 To: 23:59 - 03/15/2021

(STANTEC)		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	Total
		0.0 - 9.9	10.0 - 19.9	20.0 - 29.9	30.0 - 39.9	40.0 - 49.9	50.0 - 59.9	60.0 - 69.9	70.0 - 79.9	80.0 - 89.9	90.0 - 99.9	100.0 - 109.9	110.0 - 119.9	120.0 - 129.9	130.0 - 139.9	140.0 - 149.9	Other	
Date	Time																	
03/09/21	00:00	0	0	0	0	0	0	0	0	1	3	5	6	1	1	0	0	17
Tue	01:00	0	0	0	0	0	0	0	0	0	1	3	2	4	0	0	0	10
	02:00	0	0	0	0	0	0	0	0	1	0	1	1	2	0	0	0	5
	03:00	0	0	0	0	0	0	0	0	0	1	4	2	0	0	0	0	7
	04:00	0	0	0	0	0	0	0	0	0	1	13	25	11	0	0	0	50
	05:00	0	0	0	0	0	0	0	0	0	1	22	94	47	6	1	0	171
	06:00	0	0	0	0	0	0	0	0	0	6	43	195	161	11	2	1	419
	07:00	1	0	0	0	0	0	0	0	0	27	107	374	162	14	1	0	686
	08:00	0	0	0	0	0	0	0	0	1	27	150	425	159	5	0	0	767
	09:00	0	1	0	0	0	0	0	0	0	37	117	278	95	9	2	1	540
	10:00	0	0	0	0	0	0	0	0	2	27	167	244	51	3	0	0	494
	11:00	0	0	0	0	0	0	0	0	1	29	192	247	44	7	0	0	520
	12:00	1	0	0	0	0	0	0	0	1	19	198	228	54	9	1	0	511
	13:00	0	0	0	0	0	0	0	0	0	35	210	262	59	14	6	0	586
	14:00	0	0	0	0	0	0	0	0	0	21	207	345	79	18	0	0	670
	15:00	0	0	0	0	0	0	0	0	0	27	242	358	105	17	4	0	753
	16:00	1	0	0	0	0	0	0	0	2	29	202	411	116	28	2	0	791
	17:00	1	0	0	0	0	0	0	0	1	31	128	345	131	15	4	1	657
	18:00	0	0	1	0	0	0	0	4	1	22	103	185	100	5	1	0	422
	19:00	0	0	0	0	0	0	0	0	0	16	57	157	50	7	1	0	288
	20:00	0	0	0	0	0	0	0	0	1	23	58	74	31	2	0	0	189
	21:00	0	0	0	0	0	0	0	0	0	5	39	63	35	4	0	0	146
	22:00	0	0	0	0	0	0	0	0	0	5	16	33	15	1	0	0	70
	23:00	0	0	0	0	0	0	0	0	1	1	13	21	11	2	0	1	50
Daily Total :		4	1	1	0	0	0	0	4	13	394	2297	4375	1523	178	25	4	8819
Percent :		0%	0%	0%	0%	0%	0%	0%	0%	0%	4%	26%	50%	17%	2%	0%	0%	
Average :		0	0	0	0	0	0	0	0	1	16	96	182	63	7	1	0	0

Speeds - Average: 113.5 50% : 114.0 67% : 117.4 85% : 122.9 20kph Pace: 100.1 -120.0 (75.7%)

(STANTEC)		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	
		0.0 - 9.9	10.0 - 19.9	20.0 - 29.9	30.0 - 39.9	40.0 - 49.9	50.0 - 59.9	60.0 - 69.9	70.0 - 79.9	80.0 - 89.9	90.0 - 99.9	100.0 - 109.9	110.0 - 119.9	120.0 - 129.9	130.0 - 139.9	140.0 - 149.9	Other	Total
03/10/21	00:00	0	0	0	0	0	0	0	0	0	4	3	11	4	0	0	0	22
Wed	01:00	0	0	0	0	0	0	0	0	0	1	4	4	1	1	0	0	11
	02:00	0	0	0	0	0	0	0	0	1	3	2	1	4	0	0	0	11
	03:00	0	0	0	0	0	0	0	0	0	3	2	7	0	0	0	0	12
	04:00	0	0	0	0	0	0	0	0	0	2	10	19	10	4	3	0	48
	05:00	0	0	0	0	0	0	0	0	0	5	30	74	58	6	1	1	175
	06:00	0	0	0	0	0	0	0	0	0	8	47	190	144	16	2	1	408
	07:00	0	0	0	0	0	0	0	0	0	13	80	309	247	15	3	1	668
	08:00	0	1	0	0	0	0	0	0	0	6	97	385	192	22	2	0	705
	09:00	0	0	0	0	0	0	0	0	1	19	145	276	93	13	1	0	548
	10:00	0	0	0	0	0	0	0	0	0	20	145	268	82	19	5	0	539
	11:00	0	2	0	0	0	0	0	0	0	24	136	247	85	20	5	0	519
	12:00	0	0	0	0	0	0	0	0	1	13	147	267	76	16	3	0	523
	13:00	0	0	0	0	0	0	0	0	0	9	158	261	99	24	3	1	555
	14:00	0	0	0	0	0	0	0	0	0	17	188	376	93	18	5	0	697
	15:00	0	2	0	0	0	0	0	0	0	23	226	387	99	23	3	0	763
	16:00	0	0	0	0	0	0	0	0	0	38	211	418	107	22	3	0	799
	17:00	0	0	0	0	0	0	0	1	0	12	157	329	111	14	1	0	625
	18:00	0	1	0	0	0	0	0	0	0	9	105	199	58	15	1	1	389
	19:00	0	0	0	0	0	0	0	0	0	12	75	124	38	9	0	1	259
	20:00	0	0	1	0	0	0	0	0	1	6	63	101	32	5	3	1	213
	21:00	0	0	0	0	0	0	0	0	0	6	26	73	27	7	3	1	143
	22:00	0	0	0	0	0	0	0	0	0	8	13	49	13	3	1	0	87
	23:00	0	0	0	0	0	0	0	0	1	3	11	27	6	0	1	1	50
Daily Total :		0	6	1	0	0	0	0	1	5	264	2081	4402	1679	272	49	9	8769
Percent :		0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	24%	50%	19%	3%	1%	0%	
Average :		0	0	0	0	0	0	0	0	0	11	87	183	70	11	2	0	366

Speeds - Average: 114.5	50% : 114.7	67% : 118.0	85% : 124.2	20kph Pace: 100.1 -120.0 (73.9%)
-------------------------	-------------	-------------	-------------	----------------------------------

(STANTEC)		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	
		0.0 - 9.9	10.0 - 19.9	20.0 - 29.9	30.0 - 39.9	40.0 - 49.9	50.0 - 59.9	60.0 - 69.9	70.0 - 79.9	80.0 - 89.9	90.0 - 99.9	100.0 - 109.9	110.0 - 119.9	120.0 - 129.9	130.0 - 139.9	140.0 - 149.9	Other	Total
03/11/21	00:00	0	0	0	0	0	0	0	0	0	3	7	10	3	0	0	0	23
Thu	01:00	0	0	0	0	0	0	0	0	0	2	4	5	1	1	0	0	13
	02:00	0	0	0	0	0	0	0	0	0	0	1	5	2	0	0	0	8
	03:00	0	0	0	0	0	0	0	0	0	0	1	3	0	0	0	0	4
	04:00	0	0	0	0	0	0	0	0	0	3	10	24	8	3	0	0	48
	05:00	0	0	0	0	0	0	0	0	0	4	20	92	48	9	2	0	175
	06:00	0	0	0	0	0	0	0	1	0	7	55	218	115	19	7	1	423
	07:00	0	0	0	0	0	0	0	0	0	10	116	386	123	25	1	1	662
	08:00	0	0	0	0	0	0	0	0	1	11	163	401	129	23	2	0	730
	09:00	0	0	0	0	0	0	0	0	0	18	148	280	85	16	1	0	548
	10:00	0	0	0	0	0	0	0	0	0	9	153	268	86	21	3	1	541
	11:00	0	0	0	0	0	0	0	0	0	9	191	268	66	13	1	1	549
	12:00	0	0	0	0	0	0	0	0	1	29	228	237	68	16	2	0	581
	13:00	0	0	0	0	0	0	0	0	4	17	183	262	73	14	4	0	557
	14:00	0	0	0	0	0	0	0	0	1	23	212	353	96	11	0	1	697
	15:00	0	0	0	0	0	0	0	0	0	27	195	381	113	22	1	0	739
	16:00	0	0	0	0	0	0	0	0	0	26	241	398	118	15	3	0	801
	17:00	0	0	0	0	0	0	0	0	1	23	154	335	120	22	9	0	664
	18:00	0	0	1	0	0	0	0	0	1	16	120	192	60	8	0	0	398
	19:00	0	0	0	0	0	0	0	0	0	16	89	163	37	8	0	0	313
	20:00	0	0	0	0	0	0	0	0	5	30	64	72	14	3	0	0	188
	21:00	0	0	0	0	0	0	0	0	0	9	38	41	14	3	0	0	105
	22:00	0	0	0	0	0	0	0	0	1	14	23	36	10	3	0	0	87
	23:00	0	0	0	0	0	0	0	0	0	6	20	26	8	2	0	0	62
Daily Total :		0	0	1	0	0	0	0	1	15	312	2436	4456	1397	257	36	5	8916
Percent :		0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	27%	50%	16%	3%	0%	0%	
Average :		0	0	0	0	0	0	0	0	1	13	102	186	58	11	2	0	364

Speeds - Average: 113.7	50% : 113.9	67% : 117.3	85% : 122.7	20kph Pace: 100.1 -120.0 (77.3%)
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(STANTEC)		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	
		0.0 - 9.9	10.0 - 19.9	20.0 - 29.9	30.0 - 39.9	40.0 - 49.9	50.0 - 59.9	60.0 - 69.9	70.0 - 79.9	80.0 - 89.9	90.0 - 99.9	100.0 - 109.9	110.0 - 119.9	120.0 - 129.9	130.0 - 139.9	140.0 - 149.9	Other	Total
03/12/21	00:00	0	0	0	0	0	0	0	0	0	1	7	9	3	1	0	0	21
Fri	01:00	0	0	0	0	0	0	0	0	0	2	5	3	1	2	0	0	13
	02:00	0	0	0	0	0	0	0	0	0	2	2	2	2	0	0	0	8
	03:00	0	0	0	0	0	0	0	0	0	4	3	2	0	1	0	0	10
	04:00	0	0	0	0	0	0	0	0	0	2	5	26	14	2	0	0	49
	05:00	0	0	0	0	0	0	0	0	0	9	27	78	50	7	0	0	171
	06:00	0	0	0	0	0	0	0	0	0	6	50	188	114	18	4	1	381
	07:00	0	0	0	0	0	0	0	2	4	16	97	311	197	15	4	1	647
	08:00	0	0	0	0	0	0	0	0	2	26	149	333	172	15	1	0	698
	09:00	0	0	0	0	0	0	0	0	0	18	125	302	85	11	2	3	546
	10:00	0	0	0	0	0	0	0	0	2	24	177	278	90	17	2	0	590
	11:00	0	0	0	0	0	0	0	0	0	21	172	301	87	15	2	1	599
	12:00	0	0	0	0	0	0	0	0	0	19	139	292	79	13	2	1	545
	13:00	0	0	0	0	0	0	0	0	3	22	147	319	98	31	2	1	623
	14:00	0	0	0	0	0	0	0	0	4	31	237	355	90	19	2	0	738
	15:00	0	0	0	0	0	0	0	0	0	40	259	395	86	8	1	0	789
	16:00	0	0	0	0	0	0	0	0	0	54	220	444	125	14	0	0	857
	17:00	0	0	0	0	0	0	0	1	1	41	145	350	148	15	2	0	703
	18:00	0	0	0	0	0	0	0	1	0	25	108	219	84	7	0	0	444
	19:00	0	0	0	0	0	0	0	0	0	49	101	129	43	6	0	1	329
	20:00	0	0	0	0	0	0	0	0	2	32	81	92	36	2	0	0	245
	21:00	0	0	0	0	0	0	0	0	0	12	45	59	28	7	0	1	152
	22:00	0	0	0	0	0	0	0	0	0	10	28	29	15	2	0	0	84
	23:00	0	0	0	0	0	0	0	0	1	8	12	32	10	0	0	0	63
Daily Total :		0	0	0	0	0	0	0	4	19	474	2341	4548	1657	228	24	10	9305
Percent :		0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	25%	49%	18%	2%	0%	0%	
Average :		0	0	0	0	0	0	0	0	1	20	98	190	69	10	1	0	373

Speeds - Average: 113.6	50% : 114.1	67% : 117.5	85% : 123.3	20kph Pace: 100.1 -120.0 (74.0%)
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(STANTEC)		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	
		0.0 - 9.9	10.0 - 19.9	20.0 - 29.9	30.0 - 39.9	40.0 - 49.9	50.0 - 59.9	60.0 - 69.9	70.0 - 79.9	80.0 - 89.9	90.0 - 99.9	100.0 - 109.9	110.0 - 119.9	120.0 - 129.9	130.0 - 139.9	140.0 - 149.9	Other	Total
03/13/21	00:00	0	0	0	0	0	0	0	0	1	5	9	14	5	0	0	0	34
Sat	01:00	0	0	0	0	0	0	0	0	0	3	8	6	2	0	0	0	19
	02:00	0	0	0	0	0	0	0	0	0	3	4	3	2	0	0	0	12
	03:00	0	0	0	0	0	0	0	0	1	4	5	3	1	1	0	0	15
	04:00	0	0	0	0	0	0	0	0	0	0	9	3	2	1	0	0	15
	05:00	0	0	0	0	0	0	0	0	0	1	14	18	9	1	0	0	43
	06:00	0	0	0	0	0	0	0	0	0	3	20	32	33	3	0	0	91
	07:00	0	0	0	0	0	0	0	0	0	4	31	63	43	3	1	0	145
	08:00	0	0	0	0	0	0	0	0	0	0	40	153	85	7	0	0	285
	09:00	0	0	0	0	0	0	0	0	0	3	62	204	105	5	3	0	382
	10:00	0	0	0	0	0	0	0	0	0	20	76	299	117	8	0	0	520
	11:00	0	0	0	0	0	0	0	0	0	16	93	314	81	11	0	0	515
	12:00	0	0	0	0	0	0	0	0	0	18	118	330	98	18	2	1	585
	13:00	0	0	0	0	0	0	0	0	1	17	116	299	113	22	3	0	571
	14:00	0	0	0	0	0	0	0	0	2	20	146	323	105	18	0	1	615
	15:00	0	0	0	0	0	0	0	0	0	8	94	294	126	20	4	0	546
	16:00	0	0	0	0	0	0	0	0	0	13	54	152	158	19	1	0	397
	17:00	0	0	0	0	0	0	0	0	1	7	57	234	120	8	4	3	434
	18:00	0	0	0	0	0	0	0	0	1	6	69	185	98	12	0	1	372
	19:00	0	0	0	0	0	0	0	0	0	12	50	115	51	7	0	0	235
	20:00	0	0	0	0	0	0	0	0	0	8	23	57	35	1	0	0	124
	21:00	0	0	0	0	0	0	0	0	0	16	25	36	20	4	0	0	101
	22:00	0	0	0	0	0	0	0	0	0	7	18	44	20	4	1	0	94
	23:00	0	0	0	0	0	0	0	0	1	3	18	25	11	1	0	0	59
Daily Total :		0	0	0	0	0	0	0	0	8	197	1159	3206	1440	174	19	6	6209
Percent :		0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	19%	52%	23%	3%	0%	0%	
Average :		0	0	0	0	0	0	0	0	0	8	48	134	60	7	1	0	389

Speeds - Average: 115.3	50% : 115.5	67% : 118.8	85% : 125.0	20kph Pace: 110.1 -130.0 (74.8%)
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(STANTEC)		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	
		0.0 - 9.9	10.0 - 19.9	20.0 - 29.9	30.0 - 39.9	40.0 - 49.9	50.0 - 59.9	60.0 - 69.9	70.0 - 79.9	80.0 - 89.9	90.0 - 99.9	100.0 - 109.9	110.0 - 119.9	120.0 - 129.9	130.0 - 139.9	140.0 - 149.9	Other	Total
03/14/21	00:00	0	0	0	0	0	0	0	0	0	6	9	10	8	1	0	0	34
Sun	01:00	0	0	0	0	0	0	0	0	1	4	5	7	6	1	0	0	24
	02:00	0	0	0	0	0	0	0	1	0	1	3	6	3	0	0	0	14
	03:00	0	0	0	0	0	0	0	0	0	0	3	4	2	1	0	0	10
	04:00	0	0	0	0	0	0	0	0	0	0	7	17	5	1	0	0	30
	05:00	0	0	0	0	0	0	0	0	0	2	6	21	6	2	0	0	37
	06:00	0	0	0	0	0	0	0	0	0	1	14	23	17	0	1	1	57
	07:00	0	0	0	0	0	0	0	0	0	2	20	51	36	2	2	0	113
	08:00	0	0	0	0	0	0	0	0	0	9	42	94	38	1	0	0	184
	09:00	1	0	0	0	0	0	0	0	0	8	60	141	72	7	2	0	291
	10:00	0	0	0	0	0	0	0	0	0	9	100	213	68	6	0	1	397
	11:00	2	0	0	0	0	0	0	0	0	17	121	289	68	8	1	1	507
	12:00	0	0	0	0	0	0	0	0	0	17	150	299	48	5	1	0	520
	13:00	0	1	0	0	0	0	0	0	0	10	125	303	71	10	0	0	520
	14:00	0	0	0	0	0	0	0	0	1	6	120	275	63	8	2	0	475
	15:00	0	0	0	0	0	0	0	0	0	13	82	261	66	11	2	0	435
	16:00	0	0	0	0	0	0	0	0	0	7	66	194	75	8	5	0	355
	17:00	0	0	0	0	0	0	0	0	1	8	46	143	79	7	1	0	285
	18:00	0	0	0	0	0	0	0	1	0	24	72	98	24	1	0	0	220
	19:00	0	0	0	0	0	0	0	0	1	13	61	83	22	3	1	0	184
	20:00	0	0	0	0	0	0	0	0	3	8	27	42	8	6	3	0	97
	21:00	0	0	0	0	0	0	0	1	3	4	26	36	9	3	3	2	87
	22:00	0	0	0	0	0	0	0	0	1	1	7	18	7	1	0	0	35
	23:00	0	0	0	0	0	0	0	0	0	1	4	11	2	0	0	0	18
Daily Total :		3	1	0	0	0	0	0	3	11	171	1176	2639	803	93	24	5	4929
Percent :		0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	24%	54%	16%	2%	0%	0%	
Average :		0	0	0	0	0	0	0	0	0	7	49	110	33	4	1	0	258

Speeds - Average: 113.7	50% : 114.3	67% : 117.4	85% : 122.5	20kph Pace: 100.1 -120.0 (77.4%)
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(STANTEC)		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	
		0.0 - 9.9	10.0 - 19.9	20.0 - 29.9	30.0 - 39.9	40.0 - 49.9	50.0 - 59.9	60.0 - 69.9	70.0 - 79.9	80.0 - 89.9	90.0 - 99.9	100.0 - 109.9	110.0 - 119.9	120.0 - 129.9	130.0 - 139.9	140.0 - 149.9	Other	Total
03/15/21	00:00	0	0	0	0	0	0	0	0	0	3	3	1	2	0	0	0	9
Mon	01:00	0	0	0	0	0	0	0	0	0	0	2	1	3	0	0	0	6
	02:00	0	0	0	0	0	0	0	0	0	0	2	2	1	0	0	0	5
	03:00	0	0	0	0	0	0	0	0	0	1	13	12	8	1	0	0	35
	04:00	0	0	0	0	0	0	0	0	0	4	33	105	38	2	3	0	185
	05:00	0	0	0	0	0	0	0	0	0	8	79	204	101	3	0	0	395
	06:00	1	0	0	0	0	0	0	0	0	7	109	336	163	8	2	0	626
	07:00	1	0	0	0	0	0	0	0	0	5	161	369	123	12	0	0	671
	08:00	0	0	0	0	0	0	0	0	0	9	117	244	87	7	2	0	466
	09:00	0	1	0	0	0	0	0	0	0	18	118	206	70	7	0	0	420
	10:00	0	0	0	0	0	0	0	0	0	21	95	255	82	9	0	0	462
	11:00	0	0	0	0	0	0	0	0	1	35	124	256	73	6	1	1	497
	12:00	0	0	0	0	0	0	0	0	1	23	158	292	65	8	1	0	548
	13:00	0	0	0	0	0	0	0	2	8	29	163	332	86	13	1	0	634
	14:00	0	0	0	0	0	0	0	0	1	25	171	365	94	20	2	1	679
	15:00	0	0	0	0	0	0	0	0	1	24	151	458	150	19	4	0	807
	16:00	0	0	1	0	0	0	0	0	0	20	67	317	192	16	4	0	617
	17:00	0	1	0	0	0	0	0	0	2	15	65	178	97	15	4	2	379
	18:00	0	1	0	0	0	0	0	0	0	13	84	132	61	6	2	1	300
	19:00	0	0	0	0	0	0	0	0	0	22	65	95	33	5	1	0	221
	20:00	0	0	0	0	0	0	0	0	0	13	29	48	17	3	1	0	111
	21:00	0	0	0	0	0	0	0	0	2	5	34	32	22	2	1	0	98
	22:00	0	0	0	0	0	0	0	0	0	6	13	26	13	2	0	0	60
	23:00	0	0	0	0	0	0	0	0	0	2	6	9	5	0	0	0	22
Daily Total :		2	3	1	0	0	0	0	2	16	308	1862	4275	1586	164	29	5	8253
Percent :		0%	0%	0%	0%	0%	0%	0%	0%	0%	4%	23%	52%	19%	2%	0%	0%	
Average :		0	0	0	0	0	0	0	0	1	13	78	178	66	7	1	0	204

Speeds - Average: 114.2	50% : 114.6	67% : 117.9	85% : 123.6	20kph Pace: 100.1 -120.0 (74.4%)
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Lane #2 Configuration

#	Dir.	Information	Vehicle Sensors	Sensor Spacing	Loop Length	Comment
2.	N	NB 2 LANE	Pr-Pr	360 cm	201 cm	

Lane #2 Basic Speed Classification Data From: 00:00 - 03/09/2021 To: 23:59 - 03/15/2021

(STANTEC)		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	
		0.0 - 9.9	10.0 - 19.9	20.0 - 29.9	30.0 - 39.9	40.0 - 49.9	50.0 - 59.9	60.0 - 69.9	70.0 - 79.9	80.0 - 89.9	90.0 - 99.9	100.0 - 109.9	110.0 - 119.9	120.0 - 129.9	130.0 - 139.9	140.0 - 149.9	Other	Total
Date	Time																	Total
03/09/21	00:00	0	0	0	0	0	0	1	0	4	16	35	14	2	0	0	0	72
Tue	01:00	0	0	0	0	0	0	0	0	2	17	26	9	2	0	0	0	56
	02:00	0	0	0	0	0	0	0	0	2	12	29	7	4	0	0	0	54
	03:00	0	0	0	0	0	0	0	1	2	15	30	8	0	0	0	0	56
	04:00	0	0	0	0	0	0	0	0	1	28	66	39	10	2	2	0	148
	05:00	0	0	0	0	0	0	0	0	0	44	127	101	55	3	1	0	331
	06:00	0	0	0	0	0	0	0	1	3	77	245	180	56	6	2	0	570
	07:00	0	0	0	0	0	0	0	2	12	152	357	251	56	5	2	0	837
	08:00	0	0	0	0	1	0	0	5	17	254	365	231	48	4	0	1	926
	09:00	0	0	0	0	0	0	0	0	19	239	318	187	40	5	1	0	809
	10:00	0	0	0	0	0	0	1	9	26	200	376	152	23	1	1	0	789
	11:00	0	0	0	0	0	0	1	2	29	231	461	115	14	4	1	0	858
	12:00	0	0	0	0	0	0	0	0	39	207	428	142	21	6	1	0	844
	13:00	0	0	0	0	0	0	0	3	18	178	452	146	21	5	1	1	825
	14:00	0	0	0	0	0	0	0	0	24	170	510	202	31	5	3	0	945
	15:00	0	0	0	0	0	0	0	0	10	203	562	194	41	4	2	0	1016
	16:00	0	0	0	0	0	0	0	6	25	225	529	222	37	7	1	0	1052
	17:00	0	0	0	0	0	1	0	2	12	182	408	251	50	7	2	1	916
	18:00	0	0	0	0	0	1	6	1	15	169	265	149	70	6	1	0	683
	19:00	0	0	0	0	0	0	0	1	15	137	187	110	31	2	1	0	484
	20:00	0	0	0	0	0	0	0	4	22	133	164	90	25	1	0	0	439
	21:00	0	0	0	0	0	0	0	0	3	80	152	60	24	1	1	0	321
	22:00	0	0	0	0	0	0	0	2	4	61	90	45	11	1	0	0	214
	23:00	0	0	0	0	0	0	0	0	5	46	72	31	10	0	0	0	164
Daily Total :		0	0	0	0	1	2	9	39	309	3076	6254	2936	682	75	23	3	13409
Percent :		0%	0%	0%	0%	0%	0%	0%	0%	2%	23%	47%	22%	5%	1%	0%	0%	
Average :		0	0	0	0	0	0	0	2	13	128	261	122	28	3	1	0	344

Speeds - Average: 105.5 50% : 105.3 67% : 108.9 85% : 115.9 20kph Pace: 90.1 -110.0 (69.6%)

(STANTEC)		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	
		0.0 - 9.9	10.0 - 19.9	20.0 - 29.9	30.0 - 39.9	40.0 - 49.9	50.0 - 59.9	60.0 - 69.9	70.0 - 79.9	80.0 - 89.9	90.0 - 99.9	100.0 - 109.9	110.0 - 119.9	120.0 - 129.9	130.0 - 139.9	140.0 - 149.9	Other	Total
03/10/21	00:00	0	0	0	0	0	0	0	1	3	23	40	16	8	0	1	0	92
Wed	01:00	0	0	0	0	0	1	0	0	1	15	23	6	1	1	0	0	48
	02:00	0	0	0	0	0	0	0	0	2	10	28	7	1	1	0	0	49
	03:00	0	0	0	0	0	0	0	1	0	10	26	15	0	0	0	0	52
	04:00	0	0	0	0	0	0	0	0	4	28	54	43	17	1	0	0	147
	05:00	0	0	0	0	0	0	0	2	3	49	109	99	60	7	0	0	329
	06:00	0	0	0	0	0	0	0	0	5	71	209	206	72	4	0	0	567
	07:00	0	0	0	0	0	0	0	1	7	116	342	275	72	8	2	1	824
	08:00	0	0	0	0	0	0	0	0	6	171	362	293	79	7	0	1	919
	09:00	0	0	0	0	0	0	0	1	21	167	372	183	36	7	1	0	788
	10:00	0	0	0	0	0	0	0	0	19	178	417	169	34	9	1	0	827
	11:00	0	0	0	0	0	0	0	0	17	198	462	165	34	8	1	0	885
	12:00	0	0	0	0	0	0	0	0	16	161	401	209	46	12	2	1	848
	13:00	0	0	0	0	0	0	0	0	15	155	447	191	46	6	1	0	861
	14:00	0	0	0	0	0	0	0	1	14	156	506	195	53	13	1	0	939
	15:00	0	0	0	0	0	0	0	0	26	197	526	186	36	13	1	0	985
	16:00	0	0	0	1	0	0	6	4	25	206	526	211	38	8	3	0	1028
	17:00	0	0	0	0	0	0	0	0	22	172	498	179	44	4	1	1	921
	18:00	0	0	0	0	0	0	0	0	3	145	314	180	29	10	0	0	681
	19:00	0	0	0	0	0	0	0	0	4	118	244	137	22	6	1	0	532
	20:00	0	0	0	0	0	0	0	1	16	71	203	114	18	3	2	1	429
	21:00	0	0	0	0	0	0	0	2	2	69	154	71	19	5	0	0	322
	22:00	0	0	0	0	0	0	1	3	5	61	124	71	19	4	2	0	290
	23:00	0	0	0	0	0	0	0	0	3	28	85	62	14	2	1	1	196
Daily Total :		0	0	0	1	0	1	7	17	239	2575	6472	3283	798	139	21	6	13559
Percent :		0%	0%	0%	0%	0%	0%	0%	0%	2%	19%	48%	24%	6%	1%	0%	0%	
Average :		0	0	0	0	0	0	0	1	10	107	270	137	33	6	1	0	558

Speeds - Average: 106.6	50% : 106.2	67% : 109.7	85% : 116.8	20kph Pace: 100.1 -120.0 (71.9%)
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(STANTEC)		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	
		0.0 - 9.9	10.0 - 19.9	20.0 - 29.9	30.0 - 39.9	40.0 - 49.9	50.0 - 59.9	60.0 - 69.9	70.0 - 79.9	80.0 - 89.9	90.0 - 99.9	100.0 - 109.9	110.0 - 119.9	120.0 - 129.9	130.0 - 139.9	140.0 - 149.9	Other	Total
03/11/21	00:00	0	0	0	0	0	0	0	1	3	25	44	16	5	2	1	0	97
Thu	01:00	0	0	0	0	0	0	0	0	2	13	28	7	3	3	0	0	56
	02:00	0	0	0	0	0	0	0	0	0	13	24	11	3	1	0	0	52
	03:00	0	0	0	0	0	0	0	0	1	12	29	15	4	0	0	0	61
	04:00	0	0	0	0	0	0	0	2	2	21	52	46	12	2	1	0	138
	05:00	0	0	0	0	0	0	0	1	4	59	140	97	27	7	1	0	336
	06:00	0	0	0	0	0	0	0	1	4	75	234	201	43	7	1	0	566
	07:00	0	0	0	0	0	0	0	0	4	111	399	243	45	8	1	0	811
	08:00	0	0	0	0	0	0	0	1	14	151	455	233	38	10	2	0	904
	09:00	0	0	0	0	0	0	0	0	13	163	426	163	22	11	1	1	800
	10:00	0	0	0	0	0	0	0	0	20	186	428	141	29	8	1	0	813
	11:00	0	0	0	0	0	0	0	1	18	185	474	139	24	5	0	0	846
	12:00	0	0	0	0	0	0	0	1	44	258	434	131	22	6	1	0	897
	13:00	0	0	0	0	0	0	0	3	15	199	453	170	30	8	2	0	880
	14:00	0	0	0	0	0	0	0	1	51	247	476	166	25	2	2	0	970
	15:00	0	0	0	0	0	0	0	0	8	234	501	177	38	5	3	2	968
	16:00	0	0	0	0	0	0	0	0	30	211	540	201	25	7	2	1	1017
	17:00	0	0	0	0	0	0	0	0	9	176	448	229	47	10	2	2	923
	18:00	0	0	0	0	0	0	1	6	26	155	299	144	21	1	0	0	653
	19:00	0	0	0	0	0	0	0	0	15	154	267	91	17	4	2	1	551
	20:00	0	0	0	0	1	0	0	10	37	146	152	77	5	2	0	0	430
	21:00	0	0	0	0	0	0	0	4	8	84	108	58	9	3	1	1	276
	22:00	0	0	0	0	0	0	0	1	10	68	110	63	17	0	1	0	270
	23:00	0	0	0	0	0	0	0	0	6	50	77	45	11	1	0	1	191
Daily Total :		0	0	0	0	1	0	1	33	344	2996	6598	2864	522	113	25	9	13506
Percent :		0%	0%	0%	0%	0%	0%	0%	0%	3%	22%	49%	21%	4%	1%	0%	0%	
Average :		0	0	0	0	0	0	0	1	14	125	275	119	22	5	1	0	565

Speeds - Average: 105.3	50% : 105.2	67% : 108.6	85% : 115.4	20kph Pace: 90.1 -110.0 (71.0%)
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(STANTEC)		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	
		0.0 - 9.9	10.0 - 19.9	20.0 - 29.9	30.0 - 39.9	40.0 - 49.9	50.0 - 59.9	60.0 - 69.9	70.0 - 79.9	80.0 - 89.9	90.0 - 99.9	100.0 - 109.9	110.0 - 119.9	120.0 - 129.9	130.0 - 139.9	140.0 - 149.9	Other	Total
03/12/21	00:00	0	0	0	0	0	0	0	0	4	23	41	17	7	1	0	0	93
Fri	01:00	0	0	0	0	0	0	0	1	2	24	34	12	2	0	0	0	75
	02:00	0	0	0	0	0	0	0	0	2	14	17	9	2	0	0	0	44
	03:00	0	0	0	0	0	0	0	1	2	12	39	11	0	1	0	0	66
	04:00	0	0	0	0	0	0	0	0	1	33	68	42	14	3	0	1	162
	05:00	0	0	0	0	0	0	0	1	5	61	99	86	43	7	2	0	304
	06:00	0	0	0	0	0	0	0	0	4	74	216	185	69	9	5	0	562
	07:00	0	0	0	0	0	0	0	1	11	109	314	267	91	7	2	0	802
	08:00	0	0	0	0	0	0	0	1	12	186	370	237	77	3	3	0	889
	09:00	0	0	0	0	0	0	0	2	12	176	415	213	25	5	0	0	848
	10:00	0	1	0	0	0	0	0	0	14	229	455	148	27	1	1	0	876
	11:00	0	0	0	0	0	0	0	2	16	196	503	192	36	10	1	0	956
	12:00	0	0	0	0	0	0	0	0	24	144	450	226	40	14	1	0	899
	13:00	0	0	0	0	0	0	0	2	27	164	452	206	50	10	3	1	915
	14:00	0	0	0	0	0	0	1	2	27	217	505	188	32	4	1	2	979
	15:00	0	0	0	0	0	0	0	0	30	299	446	188	25	1	3	0	992
	16:00	0	0	0	0	1	0	1	3	49	329	416	236	48	2	1	0	1086
	17:00	0	0	0	0	0	1	0	5	9	222	396	223	45	7	0	1	909
	18:00	0	0	0	0	0	0	0	0	27	235	284	170	31	5	0	1	753
	19:00	0	0	0	0	0	0	0	5	36	203	220	91	21	4	0	0	580
	20:00	0	0	0	1	0	0	0	5	15	167	198	70	10	0	0	1	467
	21:00	0	0	0	0	0	0	0	1	13	104	124	94	12	3	0	2	353
	22:00	0	0	0	0	0	0	0	0	9	59	108	63	5	2	0	0	246
	23:00	0	0	0	0	0	0	0	2	7	49	87	38	14	0	0	2	199
Daily Total :		0	1	0	1	1	1	2	34	358	3329	6257	3212	726	99	23	11	14055
Percent :		0%	0%	0%	0%	0%	0%	0%	0%	3%	24%	45%	23%	5%	1%	0%	0%	
Average :		0	0	0	0	0	0	0	1	15	139	261	134	30	4	1	0	562

Speeds - Average: 105.5	50% : 105.4	67% : 109.1	85% : 116.2	20kph Pace: 90.1 -110.0 (68.2%)
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(STANTEC)		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	
		0.0 - 9.9	10.0 - 19.9	20.0 - 29.9	30.0 - 39.9	40.0 - 49.9	50.0 - 59.9	60.0 - 69.9	70.0 - 79.9	80.0 - 89.9	90.0 - 99.9	100.0 - 109.9	110.0 - 119.9	120.0 - 129.9	130.0 - 139.9	140.0 - 149.9	Other	Total
03/13/21	00:00	0	0	0	0	0	0	1	1	2	28	56	16	3	0	0	0	107
Sat	01:00	0	0	0	0	0	0	0	0	4	17	43	18	5	1	0	0	88
	02:00	0	0	0	0	0	0	0	0	4	20	22	4	6	1	0	0	57
	03:00	0	0	0	0	0	0	0	1	1	10	20	11	0	0	0	0	43
	04:00	0	0	0	0	0	0	1	0	3	11	29	13	6	1	0	1	65
	05:00	0	0	0	0	0	0	0	0	7	18	55	41	22	1	0	0	144
	06:00	0	0	0	0	0	0	0	0	6	20	118	71	47	2	3	1	268
	07:00	0	0	0	0	0	0	0	0	7	38	158	125	34	5	1	1	369
	08:00	0	0	0	0	0	0	0	0	7	74	232	187	58	7	1	0	566
	09:00	0	0	0	0	1	0	0	4	2	126	268	228	55	3	0	0	687
	10:00	1	0	0	0	0	0	0	2	15	129	380	265	65	1	2	0	860
	11:00	0	0	0	0	0	0	0	1	21	165	421	272	39	10	0	0	929
	12:00	0	0	0	0	0	0	0	0	11	178	450	239	25	9	3	0	915
	13:00	0	2	0	0	0	0	0	2	26	191	473	222	25	7	3	0	951
	14:00	1	0	0	0	0	0	0	0	10	195	452	299	32	13	1	0	1003
	15:00	0	0	0	0	0	0	0	0	11	163	423	286	58	13	0	0	954
	16:00	0	0	0	0	0	0	0	3	11	150	340	307	80	6	4	0	901
	17:00	0	0	0	0	0	1	0	1	7	131	299	238	76	6	1	2	762
	18:00	0	0	0	0	0	0	0	1	13	191	233	180	41	4	1	0	664
	19:00	0	0	0	0	0	0	0	3	14	95	186	136	43	2	0	1	480
	20:00	0	0	0	0	0	0	0	1	9	66	139	95	31	4	0	0	345
	21:00	0	0	0	0	0	0	0	4	7	68	116	63	21	3	1	1	284
	22:00	0	0	0	0	0	0	0	2	9	40	94	80	30	2	0	0	257
	23:00	0	0	0	0	0	0	0	1	11	39	71	68	17	2	0	0	209
Daily Total :		2	2	0	0	1	1	2	27	218	2163	5078	3464	819	103	21	7	11908
Percent :		0%	0%	0%	0%	0%	0%	0%	0%	2%	18%	43%	29%	7%	1%	0%	0%	
Average :		0	0	0	0	0	0	0	1	9	90	212	144	34	4	1	0	585

Speeds - Average: 107.2	50% : 107.0	67% : 111.5	85% : 117.7	20kph Pace: 100.1 -120.0 (71.7%)
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(STANTEC)		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	
		0.0 - 9.9	10.0 - 19.9	20.0 - 29.9	30.0 - 39.9	40.0 - 49.9	50.0 - 59.9	60.0 - 69.9	70.0 - 79.9	80.0 - 89.9	90.0 - 99.9	100.0 - 109.9	110.0 - 119.9	120.0 - 129.9	130.0 - 139.9	140.0 - 149.9	Other	Total
03/14/21	00:00	0	0	0	0	0	0	0	2	6	23	33	41	11	1	0	1	118
Sun	01:00	0	0	0	0	0	0	0	0	2	15	25	16	5	3	0	0	66
	02:00	0	0	0	0	0	0	0	0	2	13	20	17	4	1	1	0	58
	03:00	0	0	0	0	0	0	0	0	2	9	23	8	6	0	0	1	49
	04:00	0	0	0	0	0	0	0	0	2	13	28	29	13	3	0	0	88
	05:00	0	0	0	0	0	0	0	0	5	23	50	43	23	1	0	0	145
	06:00	0	0	0	0	0	0	0	0	2	27	59	62	20	4	2	0	176
	07:00	0	0	0	0	0	0	0	0	3	45	117	109	40	1	1	0	316
	08:00	0	0	0	0	0	0	0	1	6	79	174	145	46	4	1	0	456
	09:00	0	0	0	0	0	0	0	0	12	145	229	180	39	7	0	0	612
	10:00	0	0	0	0	0	0	0	1	15	173	310	194	31	2	0	0	726
	11:00	0	0	0	0	0	0	0	1	16	229	383	190	33	4	0	0	856
	12:00	0	0	0	0	0	0	0	1	26	201	431	200	18	2	0	1	880
	13:00	0	0	0	0	0	0	0	1	10	187	453	210	25	5	2	0	893
	14:00	0	0	0	0	0	0	0	3	7	166	387	257	34	3	0	0	857
	15:00	0	0	0	0	0	0	0	1	14	163	288	235	45	10	2	0	758
	16:00	0	0	0	0	0	0	0	1	3	118	269	249	48	6	1	0	695
	17:00	0	0	0	0	0	0	0	0	9	149	197	174	48	5	1	0	583
	18:00	0	0	0	0	0	0	0	1	16	143	173	92	31	7	0	0	463
	19:00	0	0	0	0	0	0	0	0	21	76	159	82	11	3	0	1	353
	20:00	0	0	0	0	0	0	0	3	18	73	105	67	16	1	0	0	283
	21:00	0	0	0	0	0	0	0	3	8	52	106	52	11	0	0	0	232
	22:00	0	0	0	0	0	0	0	2	5	21	61	31	13	0	0	0	133
	23:00	0	0	0	0	0	0	0	1	1	9	29	15	5	0	0	0	60
Daily Total :		0	0	0	0	0	0	0	22	211	2152	4109	2698	576	73	11	4	9856
Percent :		0%	0%	0%	0%	0%	0%	0%	0%	2%	22%	42%	27%	6%	1%	0%	0%	
Average :		0	0	0	0	0	0	0	1	9	90	171	112	24	3	0	0	495

Speeds - Average: 106.4	50% : 106.3	67% : 110.6	85% : 117.0	20kph Pace: 100.1 -120.0 (69.1%)
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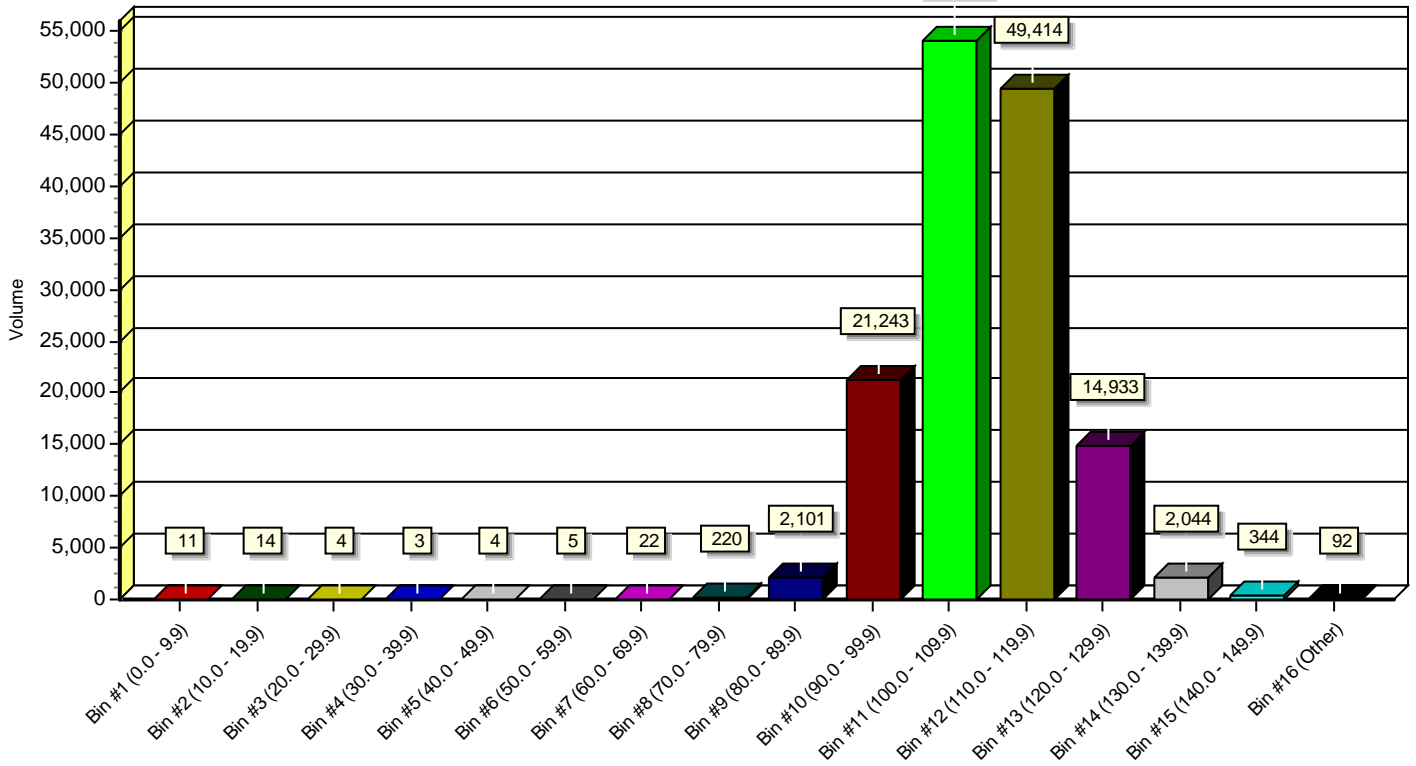
(STANTEC)		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	
		0.0 - 9.9	10.0 - 19.9	20.0 - 29.9	30.0 - 39.9	40.0 - 49.9	50.0 - 59.9	60.0 - 69.9	70.0 - 79.9	80.0 - 89.9	90.0 - 99.9	100.0 - 109.9	110.0 - 119.9	120.0 - 129.9	130.0 - 139.9	140.0 - 149.9	Other	Total
03/15/21	00:00	0	0	0	0	0	0	0	1	1	10	24	8	0	0	0	0	44
Mon	01:00	0	0	0	0	0	0	0	3	4	10	12	11	0	0	0	0	40
	02:00	0	0	0	0	0	0	0	0	2	11	15	9	1	0	0	0	38
	03:00	0	0	0	0	0	0	0	1	3	13	51	39	14	3	0	0	124
	04:00	0	0	0	0	0	0	0	0	8	41	135	94	45	2	1	0	326
	05:00	0	0	0	0	0	0	0	4	14	56	215	169	40	6	0	0	504
	06:00	0	0	0	0	0	0	0	0	18	93	430	191	40	1	0	0	773
	07:00	0	0	0	0	0	0	0	3	21	153	481	210	51	5	1	0	925
	08:00	0	0	0	0	0	0	0	1	12	202	335	166	41	3	0	0	760
	09:00	0	0	0	0	0	0	0	2	22	222	331	160	26	3	0	0	766
	10:00	0	0	0	0	0	0	0	3	27	216	302	174	33	1	1	0	757
	11:00	0	0	0	0	0	0	0	0	22	216	351	190	21	2	0	0	802
	12:00	0	0	0	0	0	0	0	3	29	219	393	163	28	5	0	2	842
	13:00	0	0	0	0	0	0	0	5	26	234	474	167	30	6	2	0	944
	14:00	0	0	0	0	0	0	0	0	40	239	436	198	35	9	2	0	959
	15:00	0	0	0	1	0	0	0	3	15	217	406	255	50	8	4	0	959
	16:00	0	0	0	0	0	0	0	0	8	136	392	293	89	5	0	0	923
	17:00	0	0	0	0	0	0	1	0	12	135	265	201	56	7	1	1	679
	18:00	0	0	0	0	0	0	0	0	12	150	224	120	42	3	0	2	553
	19:00	0	0	0	0	0	0	0	0	9	104	235	95	27	1	0	1	472
	20:00	0	0	0	0	0	0	0	2	12	68	160	50	21	5	0	1	319
	21:00	0	0	0	0	0	0	0	1	10	46	136	47	13	1	0	0	254
	22:00	0	0	0	0	0	0	0	1	5	24	88	32	16	0	2	0	168
	23:00	0	0	0	0	0	0	0	0	3	17	50	14	6	0	0	1	91
Daily Total :		0	0	0	1	0	0	1	33	335	2832	5941	3056	725	76	14	8	13022
Percent :		0%	0%	0%	0%	0%	0%	0%	0%	3%	22%	46%	23%	6%	1%	0%	0%	
Average :		0	0	0	0	0	0	0	1	14	118	248	127	30	3	1	0	410

Speeds - Average: 105.8	50% : 105.7	67% : 109.4	85% : 116.4	20kph Pace: 100.1 -120.0 (69.1%)
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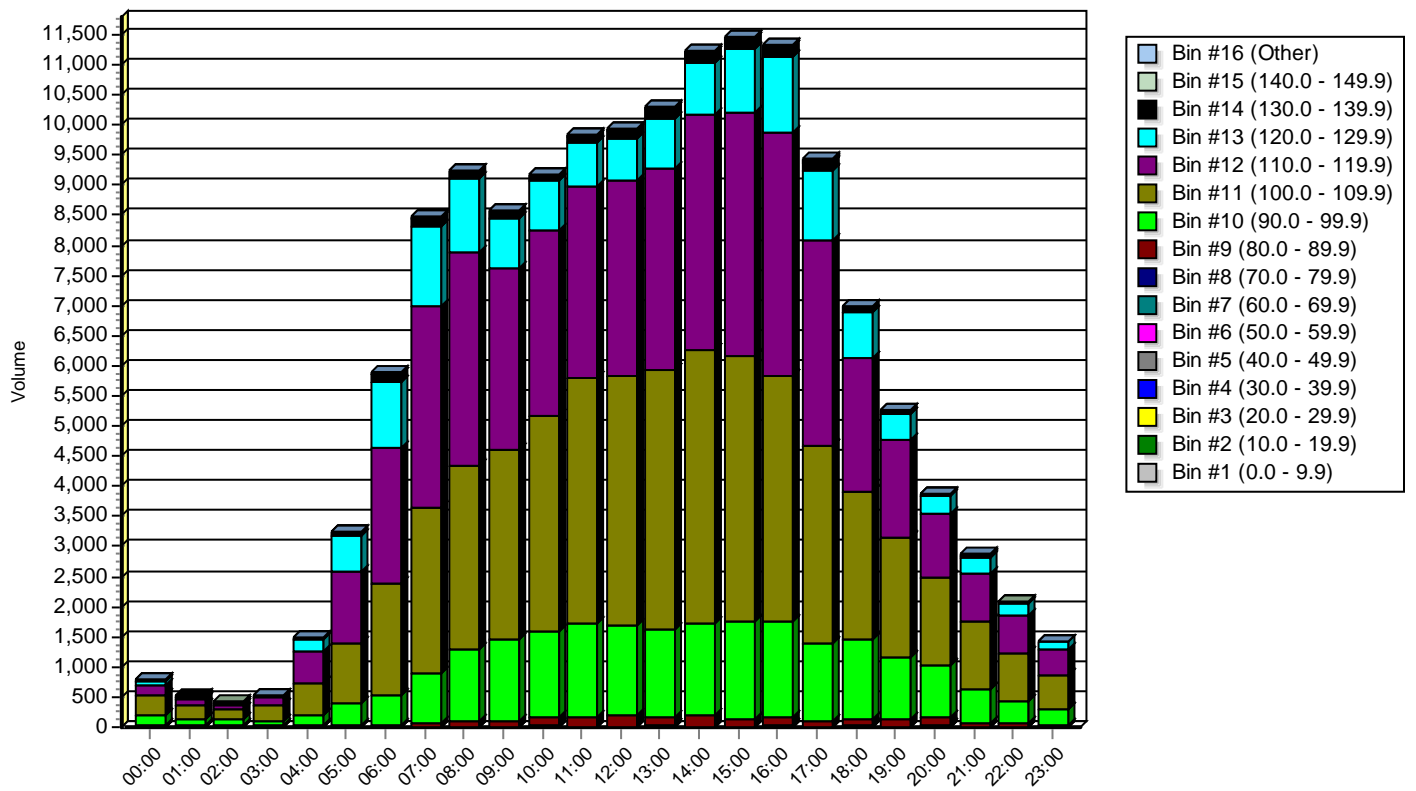
Basic Speed Class Summary: V21001 NB

(STANTEC)		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16		
		0.0 - 9.9	10.0 - 19.9	20.0 - 29.9	30.0 - 39.9	40.0 - 49.9	50.0 - 59.9	60.0 - 69.9	70.0 - 79.9	80.0 - 89.9	90.0 - 99.9	100.0 - 109.9	110.0 - 119.9	120.0 - 129.9	130.0 - 139.9	140.0 - 149.9	Other	Total	
TOTAL COUNT :	#1.	9	11	4	0	0	0	0	15	87	2120	13352	27901	10085	1366	206	44	55200	
	#2.	2	3	0	3	4	5	22	205	2014	19123	40709	21513	4848	678	138	48	89315	
		<u>11</u>	<u>14</u>	<u>4</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>22</u>	<u>220</u>	<u>2101</u>	<u>21243</u>	<u>54061</u>	<u>49414</u>	<u>14933</u>	<u>2044</u>	<u>344</u>	<u>92</u>	<u>144515</u>	
Percents :	#1.	0%	0%	0%	0%	0%	0%	0%	0%	0%	4%	24%	51%	18%	2%	0%	0%	38%	
	#2.	0%	0%	0%	0%	0%	0%	0%	0%	2%	21%	46%	24%	5%	1%	0%	0%	62%	
		<u>0%</u>	<u>0%</u>	<u>0%</u>	<u>0%</u>	<u>0%</u>	<u>0%</u>	<u>0%</u>	<u>0%</u>	<u>1%</u>	<u>15%</u>	<u>37%</u>	<u>34%</u>	<u>10%</u>	<u>1%</u>	<u>0%</u>	<u>0%</u>		
Average :	#1.	0	0	0	0	0	0	0	0	1	13	79	166	60	8	1	0	328	
	#2.	0	0	0	0	0	0	0	1	12	114	242	128	29	4	1	0	531	
		<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>13</u>	<u>127</u>	<u>321</u>	<u>294</u>	<u>89</u>	<u>12</u>	<u>2</u>	<u>0</u>	<u>859</u>	
Days & ADT :	#1.	7.0	7885																
	#2.	7.0	12759																
		<u>7.0</u>	<u>20645</u>																
Avg,50,67,85% :	#1.	114.0	114.4	117.7	123.5	100.1	-120.0	75%											
Pace (pace %) :	#2.	106.0	105.8	109.5	116.5	100.1	-120.0	70%											
		<u>109.1</u>	<u>109.1</u>	<u>114.0</u>	<u>119.2</u>	<u>100.1</u>	<u>-120.0</u>	<u>72%</u>											

Speed Class vs. Volume (all lanes)



Speed Class vs. Time (all lanes)



Basic Length Classification Report: V21001 NB

Lane #1 Configuration

#	Dir.	Information	Vehicle Sensors	Sensor Spacing	Loop Length	Comment
1.	N	NB 1 LANE	Pr-Pr	360 cm	201 cm	

Lane #1 Basic Length Classification Data From: 00:00 - 03/09/2021 To: 23:59 - 03/15/2021

(MTOVC5)		#1	#2	#3	#4	#5	
		0 -	650 -	1250 -	2110 -		
Date	Time	649cm	1249cm	2109cm	2300cm	Other	Total
03/09/21	00:00	15	0	1	1	0	17
Tue	01:00	10	0	0	0	0	10
	02:00	4	1	0	0	0	5
	03:00	6	1	0	0	0	7
	04:00	46	2	2	0	0	50
	05:00	169	0	2	0	0	171
	06:00	412	1	4	2	0	419
	07:00	665	9	8	4	0	686
	08:00	746	7	10	4	0	767
	09:00	506	8	20	6	0	540
	10:00	462	9	18	5	0	494
	11:00	482	10	17	11	0	520
	12:00	480	9	14	7	1	511
	13:00	554	6	17	9	0	586
	14:00	638	13	13	6	0	670
	15:00	696	21	18	15	3	753
	16:00	758	5	18	10	0	791
	17:00	631	8	9	8	1	657
	18:00	400	6	11	5	0	422
	19:00	271	0	12	5	0	288
	20:00	171	5	12	1	0	189
	21:00	132	2	9	3	0	146
	22:00	63	0	4	3	0	70
	23:00	45	0	4	1	0	50
Daily Total	:	8362	123	223	106	5	8819
Percent	:	95%	1%	3%	1%	0%	
Average	:	348	5	9	4	0	366

(MTOVC5)		#1	#2	#3	#4	#5	
		0 -	650 -	1250 -	2110 -		
Date	Time	649cm	1249cm	2109cm	2300cm	Other	Total
03/10/21	00:00	20	0	2	0	0	22
Wed	01:00	9	0	2	0	0	11
	02:00	9	0	1	1	0	11
	03:00	9	0	3	0	0	12
	04:00	46	0	2	0	0	48
	05:00	170	1	4	0	0	175
	06:00	401	1	3	3	0	408
	07:00	657	6	5	0	0	668
	08:00	692	3	9	1	0	705
	09:00	510	15	19	3	1	548
	10:00	517	6	14	1	1	539
	11:00	488	9	12	9	1	519
	12:00	494	12	9	8	0	523
	13:00	526	9	10	9	1	555
	14:00	676	6	12	3	0	697
	15:00	724	17	13	9	0	763
	16:00	769	10	17	2	1	799
	17:00	596	8	14	7	0	625
	18:00	363	2	20	4	0	389
	19:00	231	5	14	9	0	259
	20:00	193	2	10	8	0	213
	21:00	132	0	6	5	0	143
	22:00	82	1	3	1	0	87
	23:00	46	0	4	0	0	50
Daily Total :		8360	113	208	83	5	8769
Percent :		95%	1%	2%	1%	0%	
Average :		348	5	9	3	0	365

(MTOVC5)		#1	#2	#3	#4	#5	
		0 -	650 -	1250 -	2110 -		
Date	Time	649cm	1249cm	2109cm	2300cm	Other	Total
03/11/21	00:00	18	1	4	0	0	23
Thu	01:00	9	0	2	1	1	13
	02:00	7	0	0	1	0	8
	03:00	3	0	1	0	0	4
	04:00	46	0	2	0	0	48
	05:00	174	0	0	1	0	175
	06:00	415	4	4	0	0	423
	07:00	647	6	4	4	1	662
	08:00	709	8	7	6	0	730
	09:00	523	7	11	7	0	548
	10:00	518	6	11	5	1	541
	11:00	513	11	16	7	2	549
	12:00	542	12	17	9	1	581
	13:00	527	8	18	4	0	557
	14:00	652	9	17	14	5	697
	15:00	711	8	10	10	0	739
	16:00	762	11	23	5	0	801
	17:00	624	7	26	6	1	664
	18:00	380	3	10	5	0	398
	19:00	292	1	10	10	0	313
	20:00	164	0	14	10	0	188
	21:00	95	1	7	2	0	105
	22:00	75	0	9	3	0	87
	23:00	52	1	3	6	0	62
Daily Total :		8458	104	226	116	12	8916
Percent :		95%	1%	3%	1%	0%	
Average :		352	4	9	5	1	371

(MTOVC5)		#1	#2	#3	#4	#5	
		0 -	650 -	1250 -	2110 -		
Date	Time	649cm	1249cm	2109cm	2300cm	Other	Total
03/12/21	00:00	19	0	1	1	0	21
Fri	01:00	9	0	4	0	0	13
	02:00	6	0	2	0	0	8
	03:00	7	1	1	1	0	10
	04:00	48	0	1	0	0	49
	05:00	164	3	3	1	0	171
	06:00	368	6	6	1	0	381
	07:00	634	6	5	2	0	647
	08:00	672	7	15	4	0	698
	09:00	523	5	13	4	1	546
	10:00	560	10	14	6	0	590
	11:00	567	7	15	8	2	599
	12:00	520	9	11	5	0	545
	13:00	595	10	8	10	0	623
	14:00	689	11	25	11	2	738
	15:00	761	5	17	6	0	789
	16:00	829	11	15	2	0	857
	17:00	665	4	21	13	0	703
	18:00	414	2	18	10	0	444
	19:00	296	1	20	12	0	329
	20:00	209	2	25	9	0	245
	21:00	138	0	9	5	0	152
	22:00	75	0	5	4	0	84
	23:00	58	0	3	2	0	63
Daily Total :		8826	100	257	117	5	9305
Percent :		95%	1%	3%	1%	0%	
Average :		368	4	11	5	0	388

(MTOVC5)		#1	#2	#3	#4	#5	
		0 -	650 -	1250 -	2110 -		
Date	Time	649cm	1249cm	2109cm	2300cm	Other	Total
03/13/21	00:00	30	0	4	0	0	34
Sat	01:00	17	0	1	1	0	19
	02:00	11	0	1	0	0	12
	03:00	13	1	1	0	0	15
	04:00	13	0	2	0	0	15
	05:00	42	1	0	0	0	43
	06:00	90	1	0	0	0	91
	07:00	141	0	3	1	0	145
	08:00	281	2	1	1	0	285
	09:00	378	2	2	0	0	382
	10:00	508	4	7	1	0	520
	11:00	501	7	6	1	0	515
	12:00	574	3	3	5	0	585
	13:00	559	4	5	3	0	571
	14:00	600	2	9	4	0	615
	15:00	535	3	4	4	0	546
	16:00	392	1	3	1	0	397
	17:00	427	3	3	1	0	434
	18:00	367	1	4	0	0	372
	19:00	231	1	3	0	0	235
	20:00	121	3	0	0	0	124
	21:00	97	0	3	1	0	101
	22:00	94	0	0	0	0	94
	23:00	59	0	0	0	0	59
Daily Total :		6081	39	65	24	0	6209
Percent :		98%	1%	1%	0%	0%	
Average :		253	2	3	1	0	259

(MTOVC5)		#1	#2	#3	#4	#5	
		0 -	650 -	1250 -	2110 -		
Date	Time	649cm	1249cm	2109cm	2300cm	Other	Total
03/14/21	00:00	34	0	0	0	0	34
Sun	01:00	24	0	0	0	0	24
	02:00	13	0	1	0	0	14
	03:00	10	0	0	0	0	10
	04:00	30	0	0	0	0	30
	05:00	36	1	0	0	0	37
	06:00	57	0	0	0	0	57
	07:00	112	1	0	0	0	113
	08:00	181	2	1	0	0	184
	09:00	289	1	1	0	0	291
	10:00	391	4	0	2	0	397
	11:00	505	0	1	1	0	507
	12:00	512	3	3	2	0	520
	13:00	516	2	1	1	0	520
	14:00	474	0	1	0	0	475
	15:00	431	2	2	0	0	435
	16:00	350	2	2	1	0	355
	17:00	281	0	3	1	0	285
	18:00	213	2	3	2	0	220
	19:00	177	1	3	2	1	184
	20:00	92	1	4	0	0	97
	21:00	83	2	1	1	0	87
	22:00	35	0	0	0	0	35
	23:00	18	0	0	0	0	18
Daily Total :		4864	24	27	13	1	4929
Percent :		99%	0%	1%	0%	0%	
Average :		203	1	1	1	0	206

(MTOVC5)		#1	#2	#3	#4	#5	
		0 -	650 -	1250 -	2110 -		
Date	Time	649cm	1249cm	2109cm	2300cm	Other	Total
03/15/21	00:00	7	0	1	1	0	9
Mon	01:00	5	1	0	0	0	6
	02:00	5	0	0	0	0	5
	03:00	35	0	0	0	0	35
	04:00	185	0	0	0	0	185
	05:00	390	2	3	0	0	395
	06:00	619	5	1	1	0	626
	07:00	657	9	3	2	0	671
	08:00	457	4	4	1	0	466
	09:00	406	10	4	0	0	420
	10:00	444	9	7	1	1	462
	11:00	471	11	10	4	1	497
	12:00	524	11	8	5	0	548
	13:00	609	10	9	5	1	634
	14:00	650	2	20	5	2	679
	15:00	775	13	16	3	0	807
	16:00	590	7	13	7	0	617
	17:00	359	3	14	3	0	379
	18:00	277	4	12	6	1	300
	19:00	196	0	13	12	0	221
	20:00	97	0	11	3	0	111
	21:00	81	1	13	3	0	98
	22:00	55	0	3	2	0	60
	23:00	20	0	2	0	0	22
Daily Total :		7914	102	167	64	6	8253
Percent :		96%	1%	2%	1%	0%	
Average :		330	4	7	3	0	344

Lane #2 Configuration

#	Dir.	Information	Vehicle Sensors	Sensor Spacing	Loop Length	Comment
2.	N	NB 2 LANE	Pr-Pr	360 cm	201 cm	

Lane #2 Basic Length Classification Data From: 00:00 - 03/09/2021 To: 23:59 - 03/15/2021

(MTOVC5)		#1	#2	#3	#4	#5	
		0 - 649cm	650 - 1249cm	1250 - 2109cm	2110 - 2300cm	Other	Total
Date	Time						
03/09/21	00:00	45	2	9	14	2	72
Tue	01:00	28	1	10	14	3	56
	02:00	22	2	13	17	0	54
	03:00	28	5	9	13	1	56
	04:00	111	5	13	17	2	148
	05:00	290	5	19	14	3	331
	06:00	490	30	28	20	2	570
	07:00	718	62	37	18	2	837
	08:00	787	61	48	25	5	926
	09:00	655	68	39	46	1	809
	10:00	650	58	34	41	6	789
	11:00	682	70	45	54	7	858
	12:00	700	53	42	43	6	844
	13:00	659	59	54	44	9	825
	14:00	768	57	47	65	8	945
	15:00	840	56	51	64	5	1016
	16:00	871	60	47	63	11	1052
	17:00	779	34	43	53	7	916
	18:00	581	9	35	54	4	683
	19:00	392	10	32	47	3	484
	20:00	336	6	31	60	6	439
	21:00	218	7	33	58	5	321
	22:00	155	3	21	35	0	214
	23:00	115	2	20	27	0	164
Daily Total :		10920	725	760	906	98	13409
Percent :		81%	5%	6%	7%	1%	
Average :		455	30	32	38	4	559

(MTOVC5)		#1	#2	#3	#4	#5	
		0 -	650 -	1250 -	2110 -		
Date	Time	649cm	1249cm	2109cm	2300cm	Other	Total
03/10/21	00:00	55	3	18	14	2	92
Wed	01:00	20	1	13	13	1	48
	02:00	26	1	6	16	0	49
	03:00	33	1	9	9	0	52
	04:00	100	11	16	17	3	147
	05:00	289	1	24	15	0	329
	06:00	491	17	35	23	1	567
	07:00	705	53	34	30	2	824
	08:00	772	50	55	36	6	919
	09:00	636	50	51	47	4	788
	10:00	669	46	55	46	11	827
	11:00	719	52	51	56	7	885
	12:00	722	37	43	40	6	848
	13:00	706	56	43	52	4	861
	14:00	769	61	49	53	7	939
	15:00	839	50	41	51	4	985
	16:00	881	43	39	57	8	1028
	17:00	778	32	56	54	1	921
	18:00	574	15	38	50	4	681
	19:00	437	7	43	44	1	532
	20:00	343	7	21	54	4	429
	21:00	231	6	17	66	2	322
	22:00	214	6	18	49	3	290
	23:00	152	5	18	21	0	196
Daily Total :		11161	611	793	913	81	13559
Percent :		82%	5%	6%	7%	1%	
Average :		465	25	33	38	3	564

(MTOVC5)		#1	#2	#3	#4	#5	
		0 -	650 -	1250 -	2110 -		
Date	Time	649cm	1249cm	2109cm	2300cm	Other	Total
03/11/21	00:00	62	1	8	25	1	97
Thu	01:00	31	1	3	17	4	56
	02:00	29	3	8	12	0	52
	03:00	31	6	9	14	1	61
	04:00	107	7	11	12	1	138
	05:00	273	11	29	22	1	336
	06:00	492	28	19	23	4	566
	07:00	702	35	46	26	2	811
	08:00	764	46	45	45	4	904
	09:00	649	61	45	40	5	800
	10:00	656	59	50	42	6	813
	11:00	674	57	55	55	5	846
	12:00	740	53	41	53	10	897
	13:00	733	59	42	41	5	880
	14:00	804	59	46	57	4	970
	15:00	794	53	57	60	4	968
	16:00	862	42	54	56	3	1017
	17:00	796	19	41	62	5	923
	18:00	529	15	48	56	5	653
	19:00	457	10	29	50	5	551
	20:00	353	7	17	48	5	430
	21:00	221	6	14	31	4	276
	22:00	193	5	27	43	2	270
	23:00	147	0	14	30	0	191
Daily Total :		11099	643	758	920	86	13506
Percent :		82%	5%	6%	7%	1%	
Average :		462	27	32	38	4	563

(MTOVC5)		#1	#2	#3	#4	#5	
		0 -	650 -	1250 -	2110 -		
Date	Time	649cm	1249cm	2109cm	2300cm	Other	Total
03/12/21	00:00	56	0	11	24	2	93
Fri	01:00	32	1	15	26	1	75
	02:00	29	1	5	8	1	44
	03:00	35	4	9	17	1	66
	04:00	112	8	19	21	2	162
	05:00	248	9	26	16	5	304
	06:00	467	22	45	23	5	562
	07:00	690	46	25	37	4	802
	08:00	740	48	59	37	5	889
	09:00	708	55	47	34	4	848
	10:00	734	43	50	46	3	876
	11:00	805	54	44	47	6	956
	12:00	766	45	31	53	4	899
	13:00	772	60	42	38	3	915
	14:00	809	57	53	52	8	979
	15:00	851	57	31	51	2	992
	16:00	944	57	34	46	5	1086
	17:00	772	20	62	54	1	909
	18:00	650	16	29	55	3	753
	19:00	475	7	38	59	1	580
	20:00	353	9	45	54	6	467
	21:00	279	5	21	44	4	353
	22:00	187	3	14	40	2	246
	23:00	169	2	13	15	0	199
Daily Total :		11683	629	768	897	78	14055
Percent :		83%	4%	5%	6%	1%	
Average :		487	26	32	37	3	585

(MTOVC5)		#1	#2	#3	#4	#5	
		0 -	650 -	1250 -	2110 -		
Date	Time	649cm	1249cm	2109cm	2300cm	Other	Total
03/13/21	00:00	66	2	15	24	0	107
Sat	01:00	57	1	6	23	1	88
	02:00	39	1	4	11	2	57
	03:00	25	2	4	12	0	43
	04:00	50	3	7	4	1	65
	05:00	120	7	6	11	0	144
	06:00	228	9	9	22	0	268
	07:00	326	10	11	20	2	369
	08:00	504	19	17	23	3	566
	09:00	626	15	14	31	1	687
	10:00	782	23	17	34	4	860
	11:00	861	20	16	31	1	929
	12:00	847	10	16	41	1	915
	13:00	882	20	18	30	1	951
	14:00	949	20	7	25	2	1003
	15:00	893	15	13	28	5	954
	16:00	851	16	9	23	2	901
	17:00	699	8	8	44	3	762
	18:00	636	4	7	16	1	664
	19:00	456	5	2	16	1	480
	20:00	319	4	5	16	1	345
	21:00	262	1	5	15	1	284
	22:00	247	2	3	5	0	257
	23:00	195	2	1	10	1	209
Daily Total :		10920	219	220	515	34	11908
Percent :		92%	2%	2%	4%	0%	
Average :		455	9	9	21	1	495

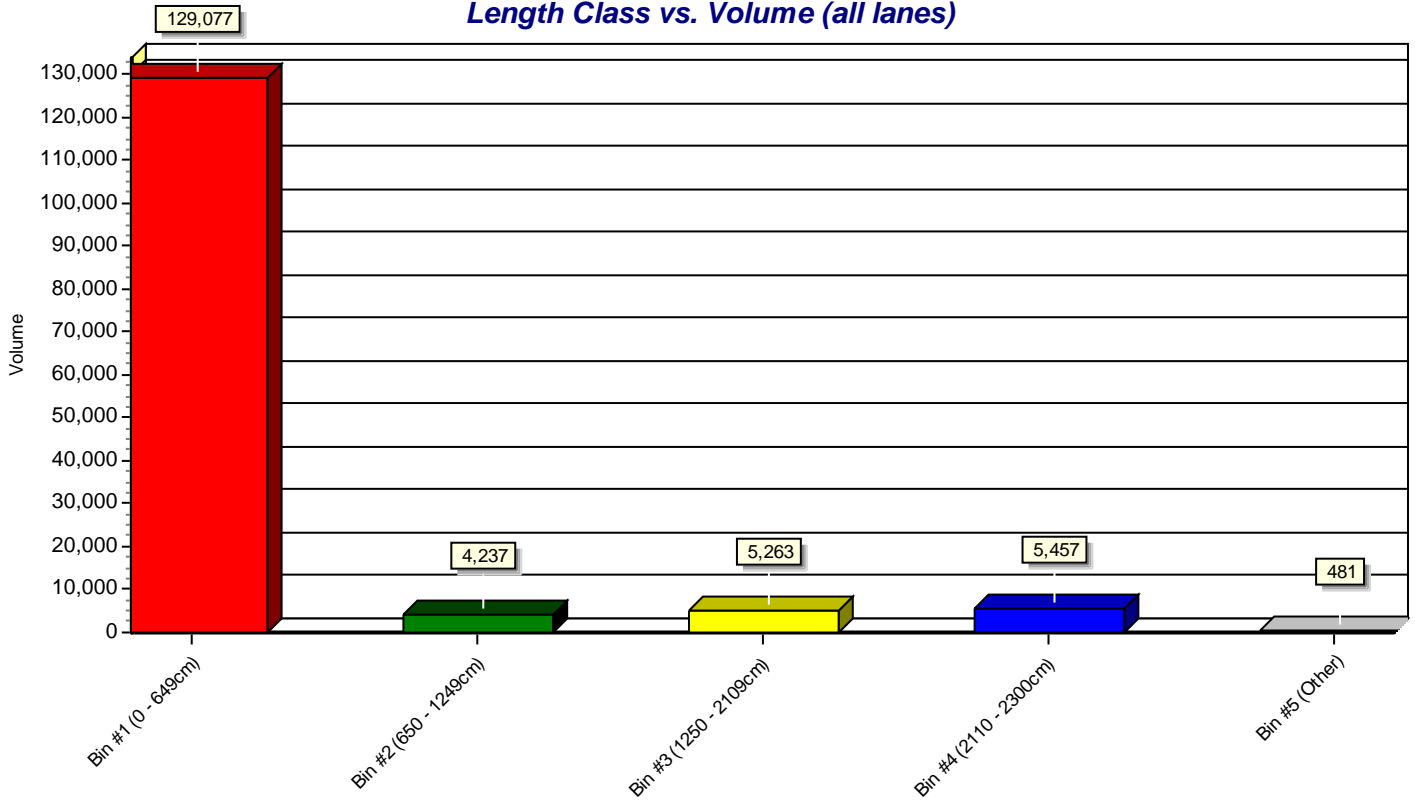
(MTOVC5)		#1	#2	#3	#4	#5	
		0 -	650 -	1250 -	2110 -		
Date	Time	649cm	1249cm	2109cm	2300cm	Other	Total
03/14/21	00:00	106	3	1	7	1	118
Sun	01:00	60	1	1	4	0	66
	02:00	50	2	1	5	0	58
	03:00	43	1	2	3	0	49
	04:00	81	0	5	2	0	88
	05:00	128	2	8	7	0	145
	06:00	160	8	3	4	1	176
	07:00	296	8	3	9	0	316
	08:00	432	10	2	12	0	456
	09:00	588	8	4	12	0	612
	10:00	689	16	6	15	0	726
	11:00	821	19	5	11	0	856
	12:00	849	18	1	10	2	880
	13:00	867	11	3	10	2	893
	14:00	829	11	8	8	1	857
	15:00	734	7	7	9	1	758
	16:00	664	12	8	11	0	695
	17:00	560	5	5	13	0	583
	18:00	437	5	11	10	0	463
	19:00	331	4	5	12	1	353
	20:00	264	1	6	11	1	283
	21:00	211	3	10	7	1	232
	22:00	121	0	1	11	0	133
	23:00	47	2	7	4	0	60
Daily Total :		9368	157	113	207	11	9856
Percent :		95%	2%	1%	2%	0%	
Average :		390	7	5	9	0	411

(MTOVC5)		#1	#2	#3	#4	#5	
		0 -	650 -	1250 -	2110 -		
Date	Time	649cm	1249cm	2109cm	2300cm	Other	Total
03/15/21	00:00	36	0	3	5	0	44
Mon	01:00	30	1	5	3	1	40
	02:00	26	1	6	3	2	38
	03:00	108	3	4	9	0	124
	04:00	281	11	22	10	2	326
	05:00	444	21	25	10	4	504
	06:00	695	35	27	11	5	773
	07:00	795	62	44	18	6	925
	08:00	654	56	39	7	4	760
	09:00	667	55	32	10	2	766
	10:00	642	50	38	21	6	757
	11:00	700	36	47	16	3	802
	12:00	721	52	45	19	5	842
	13:00	818	56	43	25	2	944
	14:00	800	65	44	47	3	959
	15:00	820	52	52	33	2	959
	16:00	804	40	41	36	2	923
	17:00	584	20	34	38	3	679
	18:00	453	8	36	54	2	553
	19:00	374	8	36	52	2	472
	20:00	240	9	17	53	0	319
	21:00	186	3	18	46	1	254
	22:00	127	3	9	29	0	168
	23:00	56	1	11	21	2	91
Daily Total :		11061	648	678	576	59	13022
Percent :		85%	5%	5%	4%	0%	
Average :		461	27	28	24	2	542

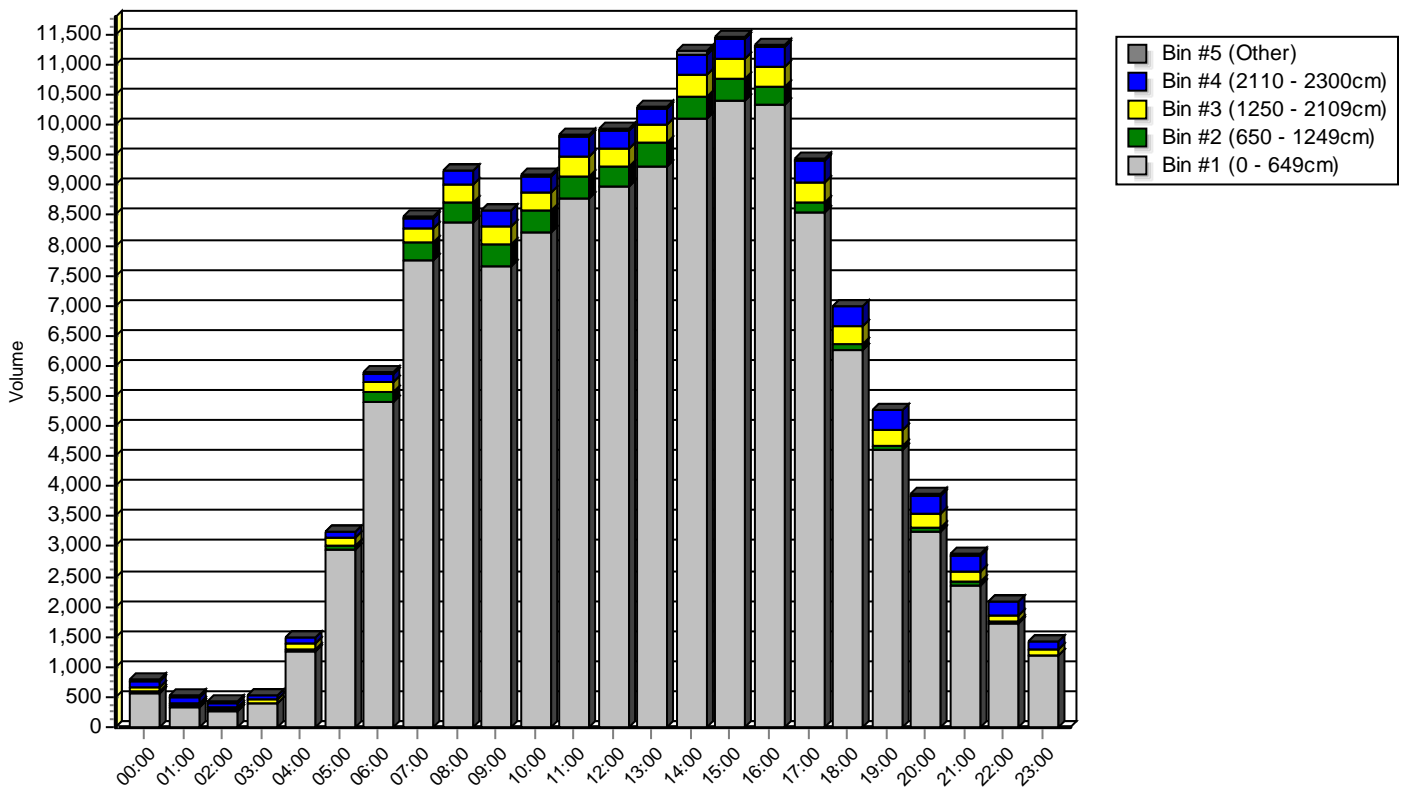
Basic Length Class Summary: V21001 NB

<i>(MTOVC5)</i>		#1	#2	#3	#4	#5	
		0 - 649cm	650 - 1249cm	1250 - 2109cm	2110 - 2300cm	Other	Total
Description	Lane						
TOTAL COUNT :	#1.	52865	605	1173	523	34	55200
	#2.	76212	3632	4090	4934	447	89315
		<u>129077</u>	<u>4237</u>	<u>5263</u>	<u>5457</u>	<u>481</u>	<u>144515</u>
Percents :	#1.	96%	1%	2%	1%	0%	38%
	#2.	85%	4%	5%	6%	1%	62%
		<u>89%</u>	<u>3%</u>	<u>4%</u>	<u>4%</u>	<u>0%</u>	
Average :	#1.	315	4	7	3	0	329
	#2.	454	22	24	29	3	532
		<u>769</u>	<u>26</u>	<u>31</u>	<u>32</u>	<u>3</u>	<u>861</u>
Days & ADT :	#1.	7.0	7885				
	#2.	7.0	12759				
		<u>7.0</u>	<u>20645</u>				

Length Class vs. Volume (all lanes)



Length Class vs. Time (all lanes)



Basic Speed Classification Report: V21001 SB

Station ID : V21001 SB

Info Line 1 : QEW 1.44 km N of
Info Line 2 : MCLEOD RD. IC 27

GPS Lat/Lon :

DB File : V21001 SB.DB

Last Connected Device Type : Unicorn

Version Number : 2.94

Serial Number : 51912

Number of Lanes : 2

Posted Speed Limit : 100.0 kph

Lane #1 Configuration

#	Dir.	Information	Vehicle Sensors	Sensor Spacing	Loop Length	Comment
1.	S	SB 1 LANE	Pr-Pr	360 cm	200 cm	

Lane #1 Basic Speed Classification Data From: 00:00 - 03/09/2021 To: 23:59 - 03/15/2021

(STANTEC)		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	Total
Date	Time	0.0 - 9.9	10.0 - 19.9	20.0 - 29.9	30.0 - 39.9	40.0 - 49.9	50.0 - 59.9	60.0 - 69.9	70.0 - 79.9	80.0 - 89.9	90.0 - 99.9	100.0 - 109.9	110.0 - 119.9	120.0 - 129.9	130.0 - 139.9	140.0 - 149.9	Other	Total
03/09/21	00:00	0	0	0	0	0	0	0	0	1	0	2	5	0	1	0	0	9
Tue	01:00	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0	4
	02:00	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	2
	03:00	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
	04:00	0	0	0	0	0	0	0	0	0	0	0	4	4	0	0	0	8
	05:00	0	0	0	0	0	0	0	0	0	0	6	12	24	7	1	0	50
	06:00	0	0	0	0	0	0	1	0	0	0	10	50	71	25	6	0	163
	07:00	0	0	0	0	0	0	0	0	0	3	27	120	159	32	3	0	344
	08:00	0	1	0	0	0	0	0	0	0	2	26	125	158	38	4	1	355
	09:00	1	0	0	0	0	0	0	0	1	8	21	100	124	16	1	0	272
	10:00	0	1	0	0	0	0	0	0	0	7	54	115	85	10	5	1	278
	11:00	0	0	0	0	0	0	0	0	1	3	32	139	94	20	3	0	292
	12:00	2	0	0	0	0	0	0	0	2	3	61	135	121	34	7	5	370
	13:00	0	0	0	0	0	0	0	0	1	6	62	149	123	49	11	1	402
	14:00	0	0	0	0	0	0	0	0	0	1	43	168	158	51	10	2	433
	15:00	0	1	0	0	0	0	0	0	0	7	59	154	193	57	13	0	484
	16:00	0	0	1	0	0	0	0	0	1	0	44	236	270	52	4	0	608
	17:00	0	1	0	0	0	0	0	0	1	9	54	166	235	36	8	1	511
	18:00	0	0	0	0	0	0	0	0	1	9	40	112	138	14	1	0	315
	19:00	0	0	0	0	0	0	0	0	0	5	20	96	81	6	0	1	209
	20:00	0	0	0	0	0	0	0	0	0	2	8	41	47	6	0	0	104
	21:00	0	0	0	0	0	0	0	0	0	2	12	22	19	4	0	0	59
	22:00	0	0	0	0	0	0	0	0	0	2	5	20	15	1	1	0	44
	23:00	0	0	0	0	0	0	0	0	0	0	6	19	11	1	0	0	37
Daily Total :		3	4	1	0	0	0	1	0	9	69	593	1989	2134	461	78	12	5354
Percent :		0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	11%	37%	40%	9%	1%	0%	
Average :		0	0	0	0	0	0	0	0	0	3	25	83	89	19	3	1	532

Speeds - Average: 119.3 50% : 120.2 67% : 124.4 85% : 128.8 20kph Pace: 110.1 -130.0 (77.0%)

(STANTEC)		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	
		0.0 - 9.9	10.0 - 19.9	20.0 - 29.9	30.0 - 39.9	40.0 - 49.9	50.0 - 59.9	60.0 - 69.9	70.0 - 79.9	80.0 - 89.9	90.0 - 99.9	100.0 - 109.9	110.0 - 119.9	120.0 - 129.9	130.0 - 139.9	140.0 - 149.9	Other	Total
03/10/21	00:00	0	0	0	0	0	0	0	0	0	1	2	11	3	1	0	0	18
Wed	01:00	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0	4
	02:00	0	0	0	0	0	0	0	0	0	0	0	2	1	0	1	0	4
	03:00	0	0	0	0	0	0	0	0	0	0	0	2	1	0	1	0	4
	04:00	0	0	0	0	0	0	0	0	0	1	2	2	1	1	0	0	7
	05:00	0	0	0	0	0	0	0	0	0	0	4	17	19	2	1	0	43
	06:00	0	0	0	0	0	0	0	0	0	2	10	51	75	15	1	1	155
	07:00	0	0	0	0	0	0	0	0	0	2	25	134	141	31	6	1	340
	08:00	0	0	0	0	0	0	0	0	0	6	36	144	179	11	4	0	380
	09:00	0	1	0	0	0	0	0	0	0	7	44	138	73	14	2	0	279
	10:00	0	0	0	0	0	0	0	0	2	2	36	119	79	36	4	1	279
	11:00	0	0	0	0	0	0	0	0	0	3	40	128	112	38	4	1	326
	12:00	1	0	0	0	0	0	0	0	0	1	43	149	91	30	7	0	322
	13:00	0	0	0	0	0	0	0	0	0	0	68	127	101	58	5	0	359
	14:00	0	0	0	0	0	0	0	0	0	5	89	208	136	55	9	1	503
	15:00	0	0	0	0	0	0	0	0	0	5	40	165	206	92	13	0	521
	16:00	1	0	0	0	0	0	0	0	3	4	50	244	202	84	8	2	598
	17:00	1	0	0	0	0	0	0	0	1	6	48	169	208	57	6	1	497
	18:00	0	0	0	0	0	0	0	0	1	1	24	113	128	19	3	1	290
	19:00	1	0	0	0	0	0	0	0	1	3	26	80	79	3	0	0	193
	20:00	0	0	0	0	0	0	0	0	0	6	10	38	35	4	4	0	97
	21:00	0	0	0	0	0	0	0	0	0	0	8	17	23	6	2	1	57
	22:00	0	0	0	0	0	0	0	0	0	3	7	17	17	9	1	1	55
	23:00	0	0	0	0	0	0	0	0	0	0	3	12	10	2	0	1	28
Daily Total :		4	1	0	0	0	0	0	0	8	58	616	2089	1921	568	82	12	5359
Percent :		0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	11%	39%	36%	11%	2%	0%	
Average :		0	0	0	0	0	0	0	0	0	2	26	87	80	24	3	1	223

Speeds - Average: 119.3	50% : 119.6	67% : 124.4	85% : 129.3	20kph Pace: 110.1 -130.0 (74.8%)
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(STANTEC)		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	
		0.0 - 9.9	10.0 - 19.9	20.0 - 29.9	30.0 - 39.9	40.0 - 49.9	50.0 - 59.9	60.0 - 69.9	70.0 - 79.9	80.0 - 89.9	90.0 - 99.9	100.0 - 109.9	110.0 - 119.9	120.0 - 129.9	130.0 - 139.9	140.0 - 149.9	Other	Total
03/11/21	00:00	0	0	0	0	0	0	0	0	0	0	3	4	2	1	0	0	10
Thu	01:00	0	0	0	0	0	0	0	0	0	2	0	6	3	0	0	0	11
	02:00	0	0	0	0	0	0	0	0	0	0	0	5	1	0	0	0	6
	03:00	0	0	0	0	0	0	0	0	0	0	1	2	0	1	1	0	5
	04:00	0	0	0	0	0	0	0	0	0	1	0	3	2	0	0	0	6
	05:00	0	0	0	0	0	0	0	0	0	1	4	16	21	3	1	1	47
	06:00	1	0	0	0	0	0	0	0	0	1	8	40	77	17	6	0	150
	07:00	0	0	0	0	0	0	0	0	0	1	21	91	144	27	4	1	289
	08:00	0	0	0	0	0	0	0	0	0	3	31	157	166	26	8	1	392
	09:00	0	0	0	0	0	0	0	0	0	2	36	136	89	21	4	0	288
	10:00	0	1	0	0	0	0	0	0	1	3	30	112	97	38	9	2	293
	11:00	0	0	0	0	0	0	0	0	0	5	41	137	99	25	5	0	312
	12:00	0	0	0	0	0	0	0	0	0	3	64	130	90	25	2	1	315
	13:00	0	0	0	0	0	0	0	0	1	7	63	184	95	21	4	1	376
	14:00	0	0	0	0	0	0	0	1	0	3	52	182	151	50	10	1	450
	15:00	0	0	0	0	0	0	0	0	0	2	43	195	159	68	16	1	484
	16:00	0	1	0	0	0	0	0	0	0	5	55	236	197	49	7	0	550
	17:00	0	0	0	0	0	0	0	0	0	4	30	164	221	43	7	1	470
	18:00	0	0	0	0	0	0	0	0	0	6	33	120	129	22	3	0	313
	19:00	0	1	0	0	0	0	0	0	0	10	47	80	52	9	2	0	201
	20:00	0	0	0	0	0	0	3	1	0	11	14	43	25	6	0	0	103
	21:00	0	0	0	0	0	0	0	0	1	3	9	22	22	1	1	1	60
	22:00	0	0	0	0	0	0	0	0	0	0	9	18	13	1	0	0	41
	23:00	0	0	0	0	0	0	0	0	0	0	7	10	14	5	1	0	37
Daily Total :		1	3	0	0	0	0	3	2	3	73	601	2093	1869	459	91	11	5209
Percent :		0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	12%	40%	36%	9%	2%	0%	
Average :		0	0	0	0	0	0	0	0	0	3	25	87	78	19	4	0	223

Speeds - Average: 119.0	50% : 119.2	67% : 123.9	85% : 128.9	20kph Pace: 110.1 -130.0 (76.1%)
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(STANTEC)		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	
		0.0 - 9.9	10.0 - 19.9	20.0 - 29.9	30.0 - 39.9	40.0 - 49.9	50.0 - 59.9	60.0 - 69.9	70.0 - 79.9	80.0 - 89.9	90.0 - 99.9	100.0 - 109.9	110.0 - 119.9	120.0 - 129.9	130.0 - 139.9	140.0 - 149.9	Other	Total
03/12/21	00:00	0	0	0	0	0	0	0	0	2	0	2	6	6	0	0	0	16
Fri	01:00	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	3
	02:00	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	0	6
	03:00	0	0	0	0	0	0	0	0	0	0	5	3	2	0	0	0	10
	04:00	0	0	0	0	0	0	0	0	0	0	2	5	3	0	0	0	10
	05:00	0	0	0	0	0	0	0	0	0	1	4	15	18	7	1	0	46
	06:00	0	0	0	0	0	0	0	0	0	1	7	53	72	20	7	1	161
	07:00	0	0	0	0	0	0	0	0	0	3	13	101	154	23	4	0	298
	08:00	0	0	0	0	0	0	0	0	0	4	27	106	147	37	2	0	323
	09:00	0	0	0	0	0	0	0	0	0	4	25	109	98	21	3	1	261
	10:00	0	0	0	0	0	0	0	0	0	4	38	116	108	18	3	0	287
	11:00	0	0	0	0	0	0	0	0	0	2	36	142	106	23	2	2	313
	12:00	0	0	0	0	0	0	0	0	0	5	42	157	117	17	4	0	342
	13:00	0	0	0	0	0	0	0	0	0	3	60	204	119	17	3	2	408
	14:00	0	0	0	0	0	0	0	0	0	6	52	239	143	30	4	1	475
	15:00	0	0	0	0	0	0	0	0	0	6	31	171	198	47	9	0	462
	16:00	1	0	0	0	0	0	0	1	1	7	34	172	239	48	8	2	513
	17:00	0	0	0	0	0	0	0	0	0	4	26	154	254	53	8	0	499
	18:00	0	0	0	0	0	0	0	0	0	3	18	105	127	30	4	3	290
	19:00	0	0	0	0	0	0	0	0	0	5	25	78	101	16	2	1	228
	20:00	0	0	0	0	0	0	0	0	0	0	6	41	68	10	0	1	126
	21:00	0	0	0	0	0	0	0	0	1	0	5	32	26	6	0	0	70
	22:00	0	1	0	0	0	0	0	0	0	0	14	25	24	7	2	0	73
	23:00	0	0	0	0	0	0	0	0	1	1	6	22	9	2	0	0	41
Daily Total :		1	1	0	0	0	0	0	1	5	59	479	2061	2142	432	66	14	5261
Percent :		0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	9%	39%	41%	8%	1%	0%	
Average :		0	0	0	0	0	0	0	0	0	2	20	86	89	18	3	1	216

Speeds - Average: 119.5	50% : 120.3	67% : 124.4	85% : 128.7	20kph Pace: 110.1 -130.0 (79.9%)
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(STANTEC)		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	
		0.0 - 9.9	10.0 - 19.9	20.0 - 29.9	30.0 - 39.9	40.0 - 49.9	50.0 - 59.9	60.0 - 69.9	70.0 - 79.9	80.0 - 89.9	90.0 - 99.9	100.0 - 109.9	110.0 - 119.9	120.0 - 129.9	130.0 - 139.9	140.0 - 149.9	Other	Total
03/13/21	00:00	0	0	0	0	0	0	0	0	0	0	2	5	5	0	0	0	12
Sat	01:00	0	0	0	0	0	0	0	0	0	0	1	6	6	0	0	0	13
	02:00	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2
	03:00	0	0	0	0	0	0	0	0	0	1	1	2	1	1	0	0	6
	04:00	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	3
	05:00	0	0	0	0	0	0	0	0	0	1	3	11	4	2	0	0	21
	06:00	0	0	0	0	0	0	0	0	0	0	4	8	13	1	0	0	26
	07:00	0	0	0	0	0	0	0	0	0	0	3	16	31	8	0	0	58
	08:00	0	0	0	0	0	0	0	0	0	2	3	41	51	10	1	1	109
	09:00	0	0	0	0	0	0	0	0	0	0	5	49	84	14	5	1	158
	10:00	0	0	0	0	0	0	0	0	0	1	4	83	110	12	1	0	211
	11:00	0	1	0	0	0	0	0	0	0	5	56	155	109	12	1	0	339
	12:00	1	0	0	0	0	0	0	0	1	2	30	161	159	18	1	0	373
	13:00	0	0	0	0	0	0	0	0	0	1	24	139	173	26	0	1	364
	14:00	0	0	0	0	0	0	0	0	0	3	24	168	156	27	2	0	380
	15:00	0	0	0	0	0	0	0	0	0	9	32	118	131	24	3	0	317
	16:00	0	0	0	0	0	0	0	0	0	2	31	136	135	21	1	1	327
	17:00	0	0	0	0	0	0	0	0	2	3	13	97	111	18	6	1	251
	18:00	0	1	0	0	0	0	0	0	0	2	18	86	87	16	4	0	214
	19:00	0	0	0	0	0	0	0	0	0	1	10	71	41	4	3	1	131
	20:00	0	0	0	0	0	0	0	0	0	2	13	36	33	8	2	0	94
	21:00	0	0	0	0	0	0	0	0	1	0	8	22	18	4	0	0	53
	22:00	0	0	0	0	0	0	0	0	1	3	13	23	19	4	1	3	67
	23:00	0	0	0	0	0	0	0	0	1	3	7	13	11	1	0	1	37
Daily Total :		1	2	0	0	0	0	0	0	6	42	305	1448	1489	232	31	10	3566
Percent :		0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	9%	41%	42%	7%	1%	0%	
Average :		0	0	0	0	0	0	0	0	0	2	13	60	62	10	1	0	219

Speeds - Average: 119.1	50% : 119.9	67% : 124.0	85% : 128.3	20kph Pace: 110.1 -130.0 (82.4%)
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(STANTEC)		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	
		0.0 - 9.9	10.0 - 19.9	20.0 - 29.9	30.0 - 39.9	40.0 - 49.9	50.0 - 59.9	60.0 - 69.9	70.0 - 79.9	80.0 - 89.9	90.0 - 99.9	100.0 - 109.9	110.0 - 119.9	120.0 - 129.9	130.0 - 139.9	140.0 - 149.9	Other	Total
03/14/21	00:00	0	0	0	0	0	0	0	0	0	0	3	7	6	0	2	0	18
Sun	01:00	0	0	0	0	0	0	0	0	0	2	0	1	1	0	0	0	4
	02:00	0	0	0	0	0	0	0	0	0	0	1	3	2	1	0	0	7
	03:00	0	0	0	0	0	0	0	0	0	1	1	1	3	2	0	0	8
	04:00	0	0	0	0	0	0	0	0	0	0	1	3	5	1	0	0	10
	05:00	0	0	0	0	0	0	0	0	0	0	3	13	4	0	0	0	20
	06:00	0	0	0	0	0	0	0	0	0	0	3	8	10	3	2	0	26
	07:00	0	0	0	0	0	0	0	0	0	0	2	14	17	6	1	0	40
	08:00	0	0	0	0	0	0	0	0	0	0	6	31	43	5	0	2	87
	09:00	0	0	0	0	0	0	0	0	1	0	10	56	76	13	2	0	158
	10:00	0	0	0	0	0	0	0	0	0	4	19	80	110	22	5	1	241
	11:00	0	0	0	0	0	0	0	0	1	5	29	127	191	18	10	0	381
	12:00	1	1	0	0	0	0	0	0	1	8	47	167	144	26	5	1	401
	13:00	0	3	0	0	0	0	0	0	0	7	46	124	152	24	6	0	362
	14:00	0	0	0	0	0	0	0	0	1	8	30	128	140	20	1	0	328
	15:00	1	0	0	0	0	0	0	0	1	5	22	104	122	26	8	1	290
	16:00	0	1	0	0	0	0	0	0	0	1	9	66	99	21	9	2	208
	17:00	0	0	0	0	0	0	0	0	0	2	15	41	68	16	0	2	144
	18:00	0	0	0	0	0	0	0	0	0	2	16	45	53	8	5	0	129
	19:00	0	0	0	0	0	0	0	0	0	0	10	37	29	7	2	1	86
	20:00	0	0	0	0	0	0	0	0	0	0	10	27	38	5	1	0	81
	21:00	0	0	0	0	0	0	0	0	0	0	7	18	15	2	0	0	42
	22:00	0	0	0	0	0	0	0	0	0	0	3	6	9	3	0	0	21
	23:00	0	0	0	0	0	0	0	0	0	0	2	6	2	1	1	1	13
Daily Total :		2	5	0	0	0	0	0	0	5	45	295	1113	1339	230	60	11	3105
Percent :		0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	10%	36%	43%	7%	2%	0%	
Average :		0	0	0	0	0	0	0	0	0	2	12	46	56	10	3	0	148

Speeds - Average: 119.4	50% : 120.8	67% : 124.7	85% : 128.8	20kph Pace: 110.1 -130.0 (79.0%)
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(STANTEC)		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	
		0.0 - 9.9	10.0 - 19.9	20.0 - 29.9	30.0 - 39.9	40.0 - 49.9	50.0 - 59.9	60.0 - 69.9	70.0 - 79.9	80.0 - 89.9	90.0 - 99.9	100.0 - 109.9	110.0 - 119.9	120.0 - 129.9	130.0 - 139.9	140.0 - 149.9	Other	Total
03/15/21	00:00	0	0	0	0	0	0	0	0	0	1	1	7	0	0	0	0	9
Mon	01:00	0	0	0	0	0	0	0	0	0	0	1	2	1	1	0	0	5
	02:00	0	0	0	0	0	0	0	0	0	0	1	1	2	1	0	0	5
	03:00	0	0	0	0	0	0	0	0	0	0	0	2	3	1	1	0	7
	04:00	0	0	0	0	0	0	0	0	0	0	8	10	14	7	1	0	40
	05:00	0	0	0	0	0	0	0	0	0	1	12	52	69	14	2	1	151
	06:00	0	0	0	0	0	0	0	0	1	1	21	100	159	30	4	0	316
	07:00	0	0	0	0	0	0	0	0	0	1	40	125	159	17	5	0	347
	08:00	0	1	0	0	0	0	0	0	0	3	39	97	107	21	5	0	273
	09:00	1	0	0	0	0	0	0	0	2	7	29	93	96	12	5	0	245
	10:00	0	1	0	0	0	0	0	0	0	2	42	111	74	10	4	0	244
	11:00	1	0	0	0	0	0	0	0	0	5	45	114	115	17	1	0	298
	12:00	0	0	0	0	0	0	0	0	2	9	54	138	127	18	2	0	350
	13:00	0	0	0	0	0	0	0	1	1	5	61	153	157	25	3	0	406
	14:00	0	1	0	0	0	0	0	0	2	6	52	218	199	22	4	0	504
	15:00	2	0	1	0	0	0	0	0	1	4	44	212	192	39	6	0	501
	16:00	0	0	0	0	0	0	0	1	0	7	44	137	235	42	2	1	469
	17:00	0	0	0	0	0	0	0	0	0	2	15	89	155	30	7	3	301
	18:00	0	0	0	0	0	0	0	0	0	2	30	77	81	13	2	1	206
	19:00	0	0	0	0	0	0	0	0	0	1	23	53	37	9	1	0	124
	20:00	0	0	0	0	0	0	0	0	0	2	17	22	13	4	1	0	59
	21:00	0	0	0	0	0	0	0	0	0	0	9	24	14	2	0	0	49
	22:00	0	0	0	0	0	0	0	0	0	0	2	22	12	4	1	1	42
	23:00	0	0	0	0	0	0	0	0	0	0	3	6	6	0	0	0	15
Daily Total :		4	3	1	0	0	0	0	2	9	59	593	1865	2027	339	57	7	4966
Percent :		0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	12%	38%	41%	7%	1%	0%	
Average :		0	0	0	0	0	0	0	0	0	2	25	78	84	14	2	0	129

Speeds - Average: 118.9	50% : 119.8	67% : 124.0	85% : 128.3	20kph Pace: 110.1 -130.0 (78.4%)
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Lane #2 Configuration

#	Dir.	Information	Vehicle Sensors	Sensor Spacing	Loop Length	Comment
2.	S	SB 2 LANE	Pr-Pr	360 cm	200 cm	

Lane #2 Basic Speed Classification Data From: 00:00 - 03/09/2021 To: 23:59 - 03/15/2021

(STANTEC)		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	
		0.0 - 9.9	10.0 - 19.9	20.0 - 29.9	30.0 - 39.9	40.0 - 49.9	50.0 - 59.9	60.0 - 69.9	70.0 - 79.9	80.0 - 89.9	90.0 - 99.9	100.0 - 109.9	110.0 - 119.9	120.0 - 129.9	130.0 - 139.9	140.0 - 149.9	Other	Total
Date	Time																	
03/09/21	00:00	0	0	0	0	0	0	0	0	4	26	48	29	10	0	0	0	117
Tue	01:00	0	0	0	0	0	0	0	0	2	12	30	11	7	1	1	0	64
	02:00	0	0	0	0	0	0	0	0	2	21	22	10	10	1	0	0	66
	03:00	0	0	0	0	0	0	0	0	2	8	26	10	7	1	0	0	54
	04:00	0	0	0	0	0	0	0	0	4	26	28	26	5	0	0	0	89
	05:00	0	0	0	0	0	0	0	0	2	61	98	71	30	1	0	0	263
	06:00	0	0	0	0	0	0	0	1	6	84	282	195	60	9	1	0	638
	07:00	0	0	0	0	0	0	0	1	15	197	393	277	86	5	1	0	975
	08:00	0	0	0	0	0	0	0	1	13	239	444	246	75	3	2	0	1023
	09:00	0	0	0	0	0	0	0	0	11	251	336	221	55	2	0	1	877
	10:00	0	0	0	0	0	0	0	2	21	281	462	143	23	6	0	0	938
	11:00	0	0	0	0	0	0	0	2	18	241	517	190	24	5	1	0	998
	12:00	0	0	0	0	0	0	0	0	43	296	536	137	29	5	2	0	1048
	13:00	1	0	0	0	0	0	0	4	27	312	546	142	24	6	2	0	1064
	14:00	0	0	0	0	0	0	0	4	28	213	662	250	28	8	4	2	1199
	15:00	0	0	0	0	0	0	0	10	51	264	700	261	50	11	0	1	1348
	16:00	0	0	0	0	0	0	0	0	24	330	832	271	40	10	3	0	1510
	17:00	0	0	0	0	0	0	0	9	15	302	696	281	59	7	1	0	1370
	18:00	0	0	0	0	0	0	0	1	23	205	412	249	52	6	0	1	949
	19:00	0	0	0	0	0	0	1	4	24	161	307	162	44	5	0	0	708
	20:00	0	0	0	0	0	0	0	1	9	111	170	94	37	3	0	0	425
	21:00	0	0	0	0	0	0	0	1	11	86	138	86	21	1	0	1	345
	22:00	0	0	0	0	0	0	0	1	7	54	111	76	26	2	0	0	277
	23:00	0	0	0	0	0	0	0	1	4	47	90	62	18	0	0	0	222
Daily Total :		1	0	0	0	0	0	1	43	366	3828	7886	3500	820	98	18	6	16567
Percent :		0%	0%	0%	0%	0%	0%	0%	0%	2%	23%	48%	21%	5%	1%	0%	0%	
Average :		0	0	0	0	0	0	0	2	15	160	329	146	34	4	1	0	205

Speeds - Average: 105.4 50% : 105.2 67% : 108.8 85% : 115.7 20kph Pace: 90.1 -110.0 (70.7%)

(STANTEC)		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	
		0.0 - 9.9	10.0 - 19.9	20.0 - 29.9	30.0 - 39.9	40.0 - 49.9	50.0 - 59.9	60.0 - 69.9	70.0 - 79.9	80.0 - 89.9	90.0 - 99.9	100.0 - 109.9	110.0 - 119.9	120.0 - 129.9	130.0 - 139.9	140.0 - 149.9	Other	Total
03/10/21	00:00	0	0	0	0	0	0	0	3	2	28	47	42	8	1	0	0	131
Wed	01:00	0	0	0	0	0	0	2	1	3	22	32	16	7	1	0	0	84
	02:00	0	0	0	0	0	0	0	0	4	19	18	9	9	1	0	0	60
	03:00	0	0	0	0	0	0	0	0	1	17	32	11	5	1	0	1	68
	04:00	0	0	0	0	0	0	0	2	3	17	32	23	6	2	2	0	87
	05:00	0	0	0	0	0	0	0	0	4	52	114	72	33	1	1	0	277
	06:00	0	0	0	0	0	0	0	0	7	118	248	159	56	5	0	0	593
	07:00	0	0	0	0	0	0	0	0	15	223	362	246	79	6	0	0	931
	08:00	0	0	0	0	0	0	0	0	17	207	475	294	68	4	1	1	1067
	09:00	0	0	0	0	0	0	0	4	27	248	463	162	32	2	3	1	942
	10:00	0	0	0	0	0	0	0	1	30	257	504	134	22	2	1	0	951
	11:00	0	0	0	0	0	0	0	1	45	256	520	141	9	4	1	0	977
	12:00	0	1	0	0	0	0	0	0	31	184	584	181	30	7	1	1	1020
	13:00	0	1	0	0	0	0	0	0	18	332	611	147	24	2	1	0	1136
	14:00	0	0	0	0	0	0	0	5	49	351	656	158	21	5	0	0	1245
	15:00	0	0	0	0	0	0	0	0	38	334	679	250	32	8	1	0	1342
	16:00	0	1	0	0	0	0	0	1	55	380	715	294	38	5	2	1	1492
	17:00	0	0	0	0	0	0	0	2	56	268	618	279	51	8	2	2	1286
	18:00	0	0	0	0	0	0	0	0	17	224	477	196	27	4	1	1	947
	19:00	0	0	0	0	0	0	0	0	23	191	320	130	19	2	2	0	687
	20:00	0	0	0	0	0	0	0	0	15	83	213	124	9	1	0	0	445
	21:00	0	0	0	0	0	0	0	0	5	70	159	93	25	6	2	0	360
	22:00	0	0	0	0	0	0	0	4	6	50	121	69	13	2	0	0	265
	23:00	0	0	0	0	0	0	1	0	3	43	112	54	3	5	1	0	222
Daily Total :		0	3	0	0	0	0	3	24	474	3974	8112	3284	626	85	22	8	16615
Percent :		0%	0%	0%	0%	0%	0%	0%	0%	3%	24%	49%	20%	4%	1%	0%	0%	
Average :		0	0	0	0	0	0	0	1	20	166	338	137	26	4	1	0	691

Speeds - Average: 104.8	50% : 104.8	67% : 108.3	85% : 114.8	20kph Pace: 90.1 -110.0 (72.7%)
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(STANTEC)		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	
		0.0 - 9.9	10.0 - 19.9	20.0 - 29.9	30.0 - 39.9	40.0 - 49.9	50.0 - 59.9	60.0 - 69.9	70.0 - 79.9	80.0 - 89.9	90.0 - 99.9	100.0 - 109.9	110.0 - 119.9	120.0 - 129.9	130.0 - 139.9	140.0 - 149.9	Other	Total
03/11/21	00:00	0	0	0	0	0	0	0	0	2	21	67	26	9	2	1	0	128
Thu	01:00	0	0	0	0	0	0	0	2	3	12	36	11	4	1	0	0	69
	02:00	0	0	0	0	0	0	0	0	0	19	34	17	3	0	1	0	74
	03:00	0	0	0	0	0	0	0	0	0	10	38	15	2	2	0	0	67
	04:00	0	0	0	0	0	0	0	0	5	26	55	18	2	1	0	1	108
	05:00	0	0	0	0	0	0	0	0	6	57	132	57	22	5	1	0	280
	06:00	0	0	0	0	0	0	0	1	6	72	294	182	34	8	2	1	600
	07:00	0	0	0	0	0	0	0	0	18	155	480	215	45	8	2	2	925
	08:00	0	0	0	0	0	0	0	0	11	209	597	193	39	8	0	1	1058
	09:00	0	0	0	0	0	0	0	2	26	212	482	171	17	3	2	0	915
	10:00	0	0	0	0	0	0	0	0	31	264	482	138	20	3	0	1	939
	11:00	0	0	0	0	0	0	0	0	39	294	501	127	18	4	0	0	983
	12:00	0	0	0	0	0	0	0	0	58	293	508	146	14	8	2	1	1030
	13:00	0	0	0	0	0	0	0	4	56	304	572	130	20	5	0	0	1091
	14:00	0	0	0	0	0	0	1	5	54	282	657	186	22	5	2	0	1214
	15:00	0	0	0	0	0	0	0	2	45	327	688	226	39	10	3	0	1340
	16:00	1	0	0	0	0	0	0	1	102	426	766	226	30	7	3	1	1563
	17:00	0	0	0	0	0	0	0	2	26	266	646	286	32	8	1	2	1269
	18:00	0	0	0	0	0	0	0	0	18	288	488	155	22	6	1	0	978
	19:00	0	0	0	0	0	0	0	1	17	187	359	133	21	3	1	0	722
	20:00	0	0	0	0	0	0	3	15	23	127	202	91	8	1	1	0	471
	21:00	0	0	0	0	0	0	0	1	9	85	136	92	32	2	2	0	359
	22:00	0	0	0	0	0	0	0	1	11	50	94	72	20	1	0	0	249
	23:00	0	0	0	0	0	0	0	2	2	42	57	78	26	6	1	1	215
Daily Total :		1	0	0	0	0	0	4	39	568	4028	8371	2991	501	107	26	11	16647
Percent :		0%	0%	0%	0%	0%	0%	0%	0%	3%	24%	50%	18%	3%	1%	0%	0%	
Average :		0	0	0	0	0	0	0	2	24	168	349	125	21	4	1	0	693
Speeds - Average: 104.3 50% : 104.5 67% : 107.8 85% : 113.9 20kph Pace: 90.1 -110.0 (74.5%)																		

(STANTEC)		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	
		0.0 - 9.9	10.0 - 19.9	20.0 - 29.9	30.0 - 39.9	40.0 - 49.9	50.0 - 59.9	60.0 - 69.9	70.0 - 79.9	80.0 - 89.9	90.0 - 99.9	100.0 - 109.9	110.0 - 119.9	120.0 - 129.9	130.0 - 139.9	140.0 - 149.9	Other	Total
03/12/21	00:00	0	0	0	0	0	0	1	0	2	22	47	42	10	0	0	0	124
Fri	01:00	0	0	0	0	0	0	0	1	1	14	26	16	9	1	1	1	70
	02:00	0	0	0	0	0	0	0	1	3	10	30	11	6	1	0	0	62
	03:00	0	0	0	0	0	0	0	0	1	13	28	15	2	0	0	0	59
	04:00	0	0	0	0	0	0	0	1	3	28	42	23	11	1	0	0	109
	05:00	0	0	0	0	0	0	0	1	2	57	94	50	31	3	1	0	239
	06:00	0	0	0	0	0	0	0	0	1	86	226	173	64	12	1	0	563
	07:00	0	0	0	0	0	0	0	0	14	180	325	248	100	9	0	0	876
	08:00	0	0	0	0	0	0	0	2	12	216	415	278	88	10	1	0	1022
	09:00	0	0	0	0	0	0	0	0	8	215	451	196	34	7	0	0	911
	10:00	0	0	0	0	0	0	1	2	24	201	515	183	31	5	1	1	964
	11:00	0	0	0	0	0	0	0	0	27	231	546	185	30	5	2	0	1026
	12:00	0	0	0	0	0	0	0	0	52	251	581	177	24	6	1	0	1092
	13:00	0	0	0	1	0	0	1	2	41	318	600	149	26	1	2	0	1141
	14:00	0	0	0	0	0	0	0	0	41	341	648	201	26	5	1	1	1264
	15:00	1	0	0	0	0	0	0	1	30	330	654	322	56	9	2	0	1405
	16:00	0	0	0	0	0	0	2	7	39	301	602	412	100	10	4	0	1477
	17:00	0	0	0	0	0	0	0	2	27	241	491	407	147	7	4	0	1326
	18:00	0	1	0	0	0	0	0	2	17	199	383	290	73	12	2	1	980
	19:00	0	0	0	0	0	0	0	0	16	175	273	205	57	2	2	0	730
	20:00	0	0	0	0	0	0	0	2	7	107	188	152	37	6	0	1	500
	21:00	0	0	0	0	0	0	0	0	3	78	135	113	42	3	1	0	375
	22:00	0	0	0	0	0	0	0	1	12	65	105	79	30	6	2	0	300
	23:00	0	0	0	0	0	0	0	0	2	45	77	77	28	6	1	0	236
Daily Total :		1	1	0	1	0	0	5	25	385	3724	7482	4004	1062	127	29	5	16851
Percent :		0%	0%	0%	0%	0%	0%	0%	0%	2%	22%	44%	24%	6%	1%	0%	0%	
Average :		0	0	0	0	0	0	0	1	16	155	312	167	44	5	1	0	694

Speeds - Average: 106.1	50% : 105.8	67% : 109.6	85% : 116.8	20kph Pace: 100.1 -120.0 (68.2%)
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(STANTEC)		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	
		0.0 - 9.9	10.0 - 19.9	20.0 - 29.9	30.0 - 39.9	40.0 - 49.9	50.0 - 59.9	60.0 - 69.9	70.0 - 79.9	80.0 - 89.9	90.0 - 99.9	100.0 - 109.9	110.0 - 119.9	120.0 - 129.9	130.0 - 139.9	140.0 - 149.9	Other	Total
03/13/21	00:00	0	0	0	0	0	0	1	1	4	23	54	40	16	1	0	0	140
Sat	01:00	0	0	0	0	0	0	0	0	1	12	27	25	7	0	0	0	72
	02:00	0	0	0	0	0	0	0	0	3	12	20	20	3	1	0	0	59
	03:00	0	0	0	0	0	0	0	0	4	11	21	14	6	1	0	0	57
	04:00	0	0	0	0	0	0	0	0	1	7	33	10	1	2	0	0	54
	05:00	0	0	0	0	0	0	0	0	4	26	48	35	11	3	0	0	127
	06:00	0	0	0	0	0	0	0	0	2	29	80	83	19	3	0	0	216
	07:00	0	0	0	0	0	0	0	0	2	49	154	126	54	6	0	0	391
	08:00	0	0	0	0	0	0	0	0	3	91	219	219	57	4	1	1	595
	09:00	0	0	0	0	0	0	0	0	3	93	286	289	101	9	1	1	783
	10:00	0	0	0	0	0	0	0	0	15	166	354	284	65	5	0	0	889
	11:00	0	0	0	0	0	0	0	1	33	228	473	248	36	6	0	1	1026
	12:00	0	0	0	0	0	0	0	1	17	243	558	264	33	5	3	0	1124
	13:00	0	0	0	0	0	0	0	0	13	167	572	338	38	13	1	0	1142
	14:00	0	0	0	0	0	0	0	0	15	245	599	272	44	7	1	2	1185
	15:00	0	1	0	0	0	0	6	15	17	224	545	259	48	6	3	0	1124
	16:00	0	0	0	0	0	0	0	0	16	237	475	305	74	5	2	0	1114
	17:00	0	0	0	0	0	0	0	0	17	197	364	284	68	12	2	2	946
	18:00	0	0	0	0	0	0	0	0	19	145	244	225	58	15	1	1	708
	19:00	0	0	0	0	0	0	0	1	17	110	213	142	41	7	0	1	532
	20:00	0	0	0	0	0	0	0	2	7	88	150	116	45	2	0	0	410
	21:00	0	0	0	0	0	0	0	2	7	73	110	80	31	2	0	0	305
	22:00	0	0	0	0	0	0	0	1	6	67	88	70	22	5	1	0	260
	23:00	0	0	0	0	0	0	0	1	6	31	58	63	22	1	0	0	182
Daily Total :		0	1	0	0	0	0	7	25	232	2574	5745	3811	900	121	16	9	13441
Percent :		0%	0%	0%	0%	0%	0%	0%	0%	2%	19%	43%	28%	7%	1%	0%	0%	
Average :		0	0	0	0	0	0	0	1	10	107	239	159	38	5	1	0	701

Speeds - Average: 107.0	50% : 106.8	67% : 111.3	85% : 117.5	20kph Pace: 100.1 -120.0 (71.1%)
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(STANTEC)		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	
		0.0 - 9.9	10.0 - 19.9	20.0 - 29.9	30.0 - 39.9	40.0 - 49.9	50.0 - 59.9	60.0 - 69.9	70.0 - 79.9	80.0 - 89.9	90.0 - 99.9	100.0 - 109.9	110.0 - 119.9	120.0 - 129.9	130.0 - 139.9	140.0 - 149.9	Other	Total
03/14/21	00:00	0	0	0	0	0	0	0	0	2	29	32	35	16	1	1	0	116
Sun	01:00	0	0	0	0	0	0	0	1	3	19	24	22	7	2	1	0	79
	02:00	0	0	0	0	0	0	0	1	1	11	13	23	9	1	0	1	60
	03:00	0	0	0	0	0	0	0	1	3	7	27	10	4	0	1	0	53
	04:00	0	0	0	0	0	0	0	0	2	21	33	27	16	2	0	0	101
	05:00	0	0	0	0	0	0	0	0	4	32	65	51	14	5	1	0	172
	06:00	0	0	0	0	0	0	0	1	6	28	83	62	22	4	0	0	206
	07:00	0	0	0	0	0	0	0	0	1	47	114	104	34	4	1	2	307
	08:00	0	0	0	0	0	0	0	0	4	67	190	186	86	9	0	0	542
	09:00	0	0	0	0	0	0	0	1	2	101	316	210	78	6	1	0	715
	10:00	0	0	0	0	0	0	0	0	9	136	416	237	70	11	1	0	880
	11:00	0	0	0	0	0	0	0	0	8	245	511	262	42	5	1	0	1074
	12:00	0	0	0	0	0	0	0	1	32	304	517	214	34	10	2	1	1115
	13:00	1	0	0	0	0	0	0	0	11	213	582	239	44	6	2	2	1100
	14:00	0	0	0	0	0	0	0	0	10	213	517	250	59	14	0	1	1064
	15:00	0	0	0	0	0	0	0	0	4	140	387	304	89	17	4	2	947
	16:00	0	0	0	0	0	0	0	0	3	138	276	230	95	12	5	0	759
	17:00	0	0	0	0	0	0	0	1	4	110	241	200	66	16	1	4	643
	18:00	0	0	0	0	0	0	0	1	6	86	211	141	48	10	2	2	507
	19:00	0	0	0	0	0	0	0	3	9	71	177	117	46	3	0	0	426
	20:00	0	0	0	0	0	0	0	1	6	40	135	103	27	5	1	0	318
	21:00	0	0	0	0	0	0	0	1	6	32	99	71	16	3	1	0	229
	22:00	0	0	0	0	0	0	0	0	5	12	79	51	21	2	0	0	170
	23:00	0	0	0	0	0	0	1	0	3	16	42	29	5	1	1	2	100
Daily Total :		1	0	0	0	0	0	1	13	144	2118	5087	3178	948	149	27	17	11683
Percent :		0%	0%	0%	0%	0%	0%	0%	0%	1%	18%	44%	27%	8%	1%	0%	0%	
Average :		0	0	0	0	0	0	0	1	6	88	212	132	40	6	1	1	560

Speeds - Average: 107.5	50% : 107.1	67% : 111.6	85% : 118.1	20kph Pace: 100.1 -120.0 (70.7%)
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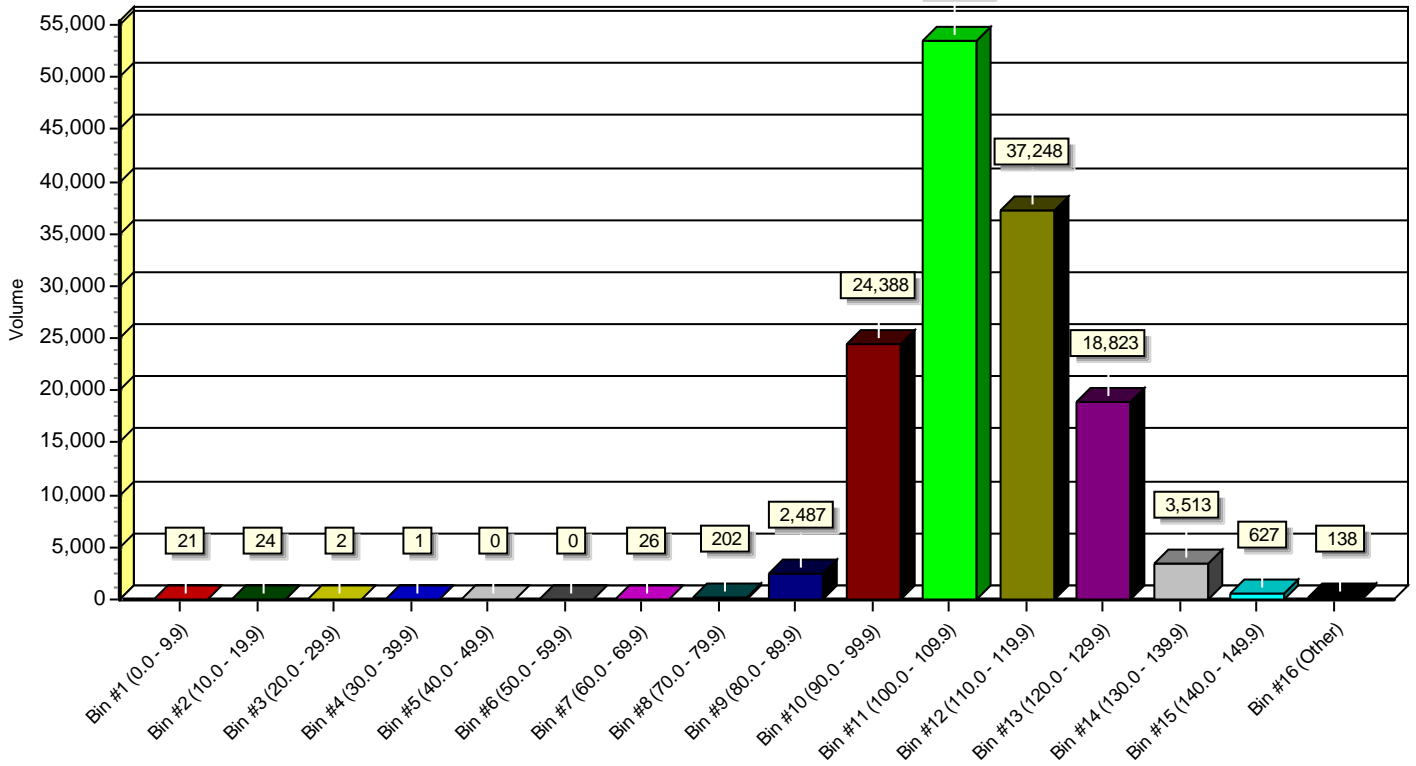
(STANTEC)		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	
		0.0 - 9.9	10.0 - 19.9	20.0 - 29.9	30.0 - 39.9	40.0 - 49.9	50.0 - 59.9	60.0 - 69.9	70.0 - 79.9	80.0 - 89.9	90.0 - 99.9	100.0 - 109.9	110.0 - 119.9	120.0 - 129.9	130.0 - 139.9	140.0 - 149.9	Other	Total
03/15/21	00:00	0	0	0	0	0	0	0	1	2	4	29	12	4	1	1	0	54
Mon	01:00	0	0	0	0	0	0	0	0	3	12	31	15	3	2	0	0	66
	02:00	0	0	0	0	0	0	1	0	1	10	29	13	3	2	0	0	59
	03:00	0	0	0	0	0	0	0	0	1	14	49	19	9	0	0	0	92
	04:00	0	0	0	0	0	0	0	0	4	26	114	78	32	4	0	0	258
	05:00	0	0	0	0	0	0	0	0	6	53	304	168	58	6	0	1	596
	06:00	0	0	0	0	0	0	0	0	5	74	453	252	76	6	2	0	868
	07:00	0	0	0	0	0	0	0	0	9	178	564	237	62	7	1	0	1058
	08:00	0	0	0	0	0	0	0	3	10	236	404	173	65	2	3	0	896
	09:00	0	0	0	0	0	0	0	0	20	227	395	183	39	6	1	0	871
	10:00	1	0	0	0	0	0	0	1	8	257	392	169	36	6	0	0	870
	11:00	0	0	0	0	0	0	0	1	23	287	482	215	45	3	2	1	1059
	12:00	0	0	0	0	0	0	0	1	35	390	451	177	49	3	1	0	1107
	13:00	0	0	0	0	0	0	0	4	12	285	536	285	51	7	0	0	1180
	14:00	0	0	0	0	0	0	0	2	7	341	623	339	87	4	1	0	1404
	15:00	0	0	0	0	0	0	0	4	47	372	567	318	86	12	6	0	1412
	16:00	0	0	0	0	0	0	0	5	23	335	539	365	87	10	0	1	1365
	17:00	0	0	0	0	0	0	0	2	6	187	394	262	94	5	1	1	952
	18:00	0	0	0	0	0	0	0	1	21	175	303	198	48	9	1	0	756
	19:00	0	0	0	0	0	0	0	2	12	110	238	108	32	2	2	0	506
	20:00	0	0	0	0	0	0	0	1	4	63	159	75	28	2	0	0	332
	21:00	0	0	0	0	0	0	0	0	6	44	108	57	24	1	1	1	242
	22:00	0	0	0	0	0	0	0	0	3	35	99	77	18	3	1	0	236
	23:00	0	0	0	0	0	0	0	0	5	22	52	27	9	2	0	0	117
Daily Total :		1	0	0	0	0	0	1	28	273	3737	7315	3822	1045	105	24	5	16356
Percent :		0%	0%	0%	0%	0%	0%	0%	0%	2%	23%	45%	23%	6%	1%	0%	0%	
Average :		0	0	0	0	0	0	0	1	11	156	305	159	44	4	1	0	487

Speeds - Average: 106.1	50% : 105.7	67% : 109.5	85% : 116.7	20kph Pace: 100.1 -120.0 (68.1%)
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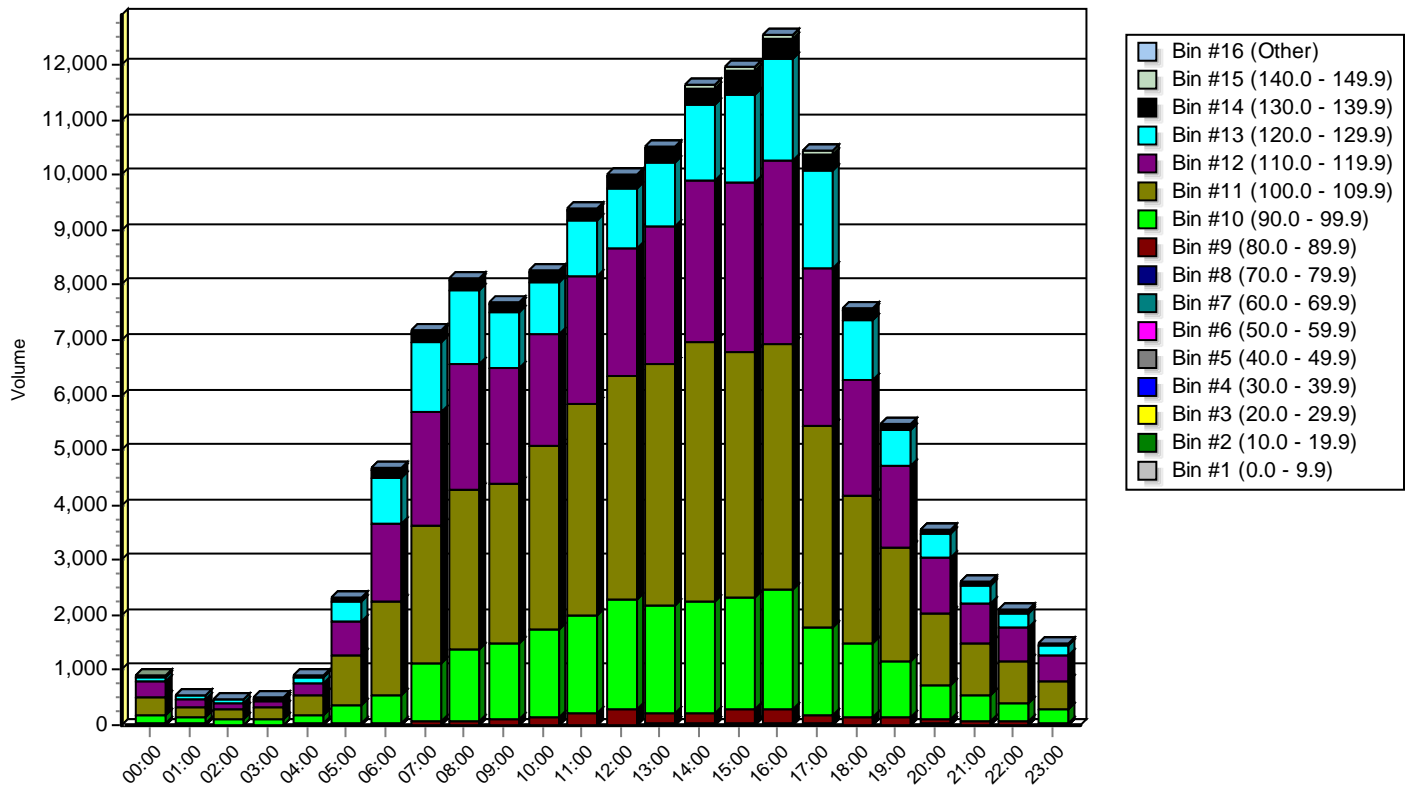
Basic Speed Class Summary: V21001 SB

(STANTEC)		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16				
		0.0 - 9.9	10.0 - 19.9	20.0 - 29.9	30.0 - 39.9	40.0 - 49.9	50.0 - 59.9	60.0 - 69.9	70.0 - 79.9	80.0 - 89.9	90.0 - 99.9	100.0 - 109.9	110.0 - 119.9	120.0 - 129.9	130.0 - 139.9	140.0 - 149.9	Other	Total			
Description	Lane																				
TOTAL COUNT :																					
	#1.	16	19	2	0	0	0	4	5	45	405	3482	12658	12921	2721	465	77	32820			
	#2.	5	5	0	1	0	0	22	197	2442	23983	49998	24590	5902	792	162	61	108160			
		<u>21</u>	<u>24</u>	<u>2</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>26</u>	<u>202</u>	<u>2487</u>	<u>24388</u>	<u>53480</u>	<u>37248</u>	<u>18823</u>	<u>3513</u>	<u>627</u>	<u>138</u>	<u>140980</u>			
Percents :																					
	#1.	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	11%	39%	39%	8%	1%	0%	23%			
	#2.	0%	0%	0%	0%	0%	0%	0%	0%	2%	22%	46%	23%	5%	1%	0%	0%	77%			
		<u>0%</u>	<u>0%</u>	<u>0%</u>	<u>0%</u>	<u>0%</u>	<u>0%</u>	<u>0%</u>	<u>0%</u>	<u>2%</u>	<u>17%</u>	<u>38%</u>	<u>26%</u>	<u>13%</u>	<u>2%</u>	<u>0%</u>	<u>0%</u>				
Average :																					
	#1.	0	0	0	0	0	0	0	0	0	2	21	75	77	16	3	0	194			
	#2.	0	0	0	0	0	0	0	1	15	143	298	146	35	5	1	0	644			
		<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>15</u>	<u>145</u>	<u>319</u>	<u>221</u>	<u>112</u>	<u>21</u>	<u>4</u>	<u>0</u>	<u>838</u>			
Days & ADT :																					
	#1.	7.0	4688																		
	#2.	7.0	15451																		
		<u>7.0</u>	<u>20140</u>																		
Avg,50,67,85%:																					
	#1.	119.2	119.9	124.3	128.8	110.1	-130.0	78%													
	Pace (pace %) #2.	105.8	105.6	109.2	116.3	100.1	-120.0	69%													
		<u>108.9</u>	<u>108.2</u>	<u>113.8</u>	<u>121.2</u>	<u>100.1</u>	<u>-120.0</u>	<u>64%</u>													

Speed Class vs. Volume (all lanes)



Speed Class vs. Time (all lanes)



Basic Length Classification Report: V21001 SB

Lane #1 Configuration

#	Dir.	Information	Vehicle Sensors	Sensor Spacing	Loop Length	Comment
1.	S	SB 1 LANE	Pr-Pr	360 cm	200 cm	

Lane #1 Basic Length Classification Data From: 00:00 - 03/09/2021 To: 23:59 - 03/15/2021

(MTOVC5)		#1	#2	#3	#4	#5	
		0 -	650 -	1250 -	2110 -		
Date	Time	649cm	1249cm	2109cm	2300cm	Other	Total
03/09/21	00:00	8	0	1	0	0	9
Tue	01:00	4	0	0	0	0	4
	02:00	2	0	0	0	0	2
	03:00	1	0	0	0	0	1
	04:00	7	1	0	0	0	8
	05:00	46	0	1	3	0	50
	06:00	158	0	0	5	0	163
	07:00	333	4	2	3	2	344
	08:00	340	4	7	3	1	355
	09:00	255	8	3	6	0	272
	10:00	260	4	9	5	0	278
	11:00	271	4	5	12	0	292
	12:00	333	8	17	9	3	370
	13:00	365	10	12	10	5	402
	14:00	403	16	4	5	5	433
	15:00	452	8	6	14	4	484
	16:00	589	6	6	7	0	608
	17:00	495	4	6	6	0	511
	18:00	303	4	1	7	0	315
	19:00	202	3	2	2	0	209
	20:00	100	0	1	3	0	104
	21:00	58	0	0	1	0	59
	22:00	43	1	0	0	0	44
	23:00	35	2	0	0	0	37
Daily Total :		5063	87	83	101	20	5354
Percent :		95%	2%	2%	2%	0%	
Average :		211	4	3	4	1	223

(MTOVC5)		#1	#2	#3	#4	#5	
		0 -	650 -	1250 -	2110 -		
Date	Time	649cm	1249cm	2109cm	2300cm	Other	Total
03/10/21	00:00	18	0	0	0	0	18
Wed	01:00	3	0	1	0	0	4
	02:00	4	0	0	0	0	4
	03:00	4	0	0	0	0	4
	04:00	6	0	0	1	0	7
	05:00	40	0	0	2	1	43
	06:00	150	0	3	2	0	155
	07:00	331	3	3	3	0	340
	08:00	365	10	1	3	1	380
	09:00	259	8	6	5	1	279
	10:00	258	10	2	4	5	279
	11:00	296	7	7	11	5	326
	12:00	296	9	3	5	9	322
	13:00	332	3	7	15	2	359
	14:00	462	6	9	25	1	503
	15:00	501	4	5	7	4	521
	16:00	574	14	4	1	5	598
	17:00	477	4	3	12	1	497
	18:00	273	7	5	4	1	290
	19:00	185	1	4	3	0	193
	20:00	94	0	3	0	0	97
	21:00	55	0	0	2	0	57
	22:00	52	1	0	2	0	55
	23:00	28	0	0	0	0	28
Daily Total :		5063	87	66	107	36	5359
Percent :		94%	2%	1%	2%	1%	
Average :		211	4	3	4	2	224

(MTOVC5)		#1	#2	#3	#4	#5	
		0 -	650 -	1250 -	2110 -		
Date	Time	649cm	1249cm	2109cm	2300cm	Other	Total
03/11/21	00:00	9	0	1	0	0	10
Thu	01:00	9	2	0	0	0	11
	02:00	6	0	0	0	0	6
	03:00	5	0	0	0	0	5
	04:00	5	0	0	1	0	6
	05:00	45	0	2	0	0	47
	06:00	146	2	2	0	0	150
	07:00	279	6	1	3	0	289
	08:00	377	4	6	4	1	392
	09:00	269	4	6	8	1	288
	10:00	273	2	3	12	3	293
	11:00	289	6	6	4	7	312
	12:00	278	11	9	11	6	315
	13:00	338	9	19	8	2	376
	14:00	424	5	10	5	6	450
	15:00	462	4	4	8	6	484
	16:00	520	10	5	9	6	550
	17:00	456	5	3	5	1	470
	18:00	301	6	2	4	0	313
	19:00	192	0	6	3	0	201
	20:00	96	3	2	2	0	103
	21:00	60	0	0	0	0	60
	22:00	39	0	0	2	0	41
	23:00	36	0	0	1	0	37
Daily Total :		4914	79	87	90	39	5209
Percent :		94%	2%	2%	2%	1%	
Average :		205	3	4	4	2	218

(MTOVC5)		#1	#2	#3	#4	#5	
		0 -	650 -	1250 -	2110 -		
Date	Time	649cm	1249cm	2109cm	2300cm	Other	Total
03/12/21	00:00	16	0	0	0	0	16
Fri	01:00	3	0	0	0	0	3
	02:00	6	0	0	0	0	6
	03:00	7	0	2	1	0	10
	04:00	10	0	0	0	0	10
	05:00	45	0	0	1	0	46
	06:00	155	2	3	1	0	161
	07:00	284	9	3	2	0	298
	08:00	314	3	3	3	0	323
	09:00	248	6	6	0	1	261
	10:00	268	7	8	3	1	287
	11:00	301	6	5	1	0	313
	12:00	328	6	5	3	0	342
	13:00	387	10	7	4	0	408
	14:00	464	8	2	1	0	475
	15:00	458	2	2	0	0	462
	16:00	499	6	4	4	0	513
	17:00	494	2	1	2	0	499
	18:00	284	2	1	3	0	290
	19:00	226	0	1	1	0	228
	20:00	126	0	0	0	0	126
	21:00	70	0	0	0	0	70
	22:00	72	0	1	0	0	73
	23:00	39	0	1	1	0	41
Daily Total :		5104	69	55	31	2	5261
Percent :		97%	1%	1%	1%	0%	
Average :		213	3	2	1	0	219

(MTOVC5)		#1	#2	#3	#4	#5	
		0 - 649cm	650 - 1249cm	1250 - 2109cm	2110 - 3000cm	Other	Total
Date	Time						
03/13/21	00:00	11	0	0	1	0	12
Sat	01:00	13	0	0	0	0	13
	02:00	2	0	0	0	0	2
	03:00	5	1	0	0	0	6
	04:00	3	0	0	0	0	3
	05:00	21	0	0	0	0	21
	06:00	25	0	1	0	0	26
	07:00	56	2	0	0	0	58
	08:00	106	2	1	0	0	109
	09:00	154	3	1	0	0	158
	10:00	207	2	1	1	0	211
	11:00	336	0	3	0	0	339
	12:00	362	8	2	1	0	373
	13:00	353	6	2	2	1	364
	14:00	376	3	1	0	0	380
	15:00	313	3	1	0	0	317
	16:00	322	3	1	1	0	327
	17:00	246	1	0	3	1	251
	18:00	213	1	0	0	0	214
	19:00	129	1	1	0	0	131
	20:00	92	0	0	2	0	94
	21:00	52	1	0	0	0	53
	22:00	66	0	1	0	0	67
	23:00	36	0	0	1	0	37
Daily Total :		3499	37	16	12	2	3566
Percent :		98%	1%	0%	0%	0%	
Average :		146	2	1	1	0	150

(MTOVC5)		#1	#2	#3	#4	#5	
		0 -	650 -	1250 -	2110 -		
Date	Time	649cm	1249cm	2109cm	2300cm	Other	Total
03/14/21	00:00	18	0	0	0	0	18
Sun	01:00	4	0	0	0	0	4
	02:00	7	0	0	0	0	7
	03:00	8	0	0	0	0	8
	04:00	10	0	0	0	0	10
	05:00	20	0	0	0	0	20
	06:00	24	1	0	1	0	26
	07:00	38	1	1	0	0	40
	08:00	86	0	0	1	0	87
	09:00	150	3	2	2	1	158
	10:00	227	5	4	5	0	241
	11:00	363	3	10	5	0	381
	12:00	382	4	9	6	0	401
	13:00	347	2	7	6	0	362
	14:00	319	1	8	0	0	328
	15:00	279	2	6	2	1	290
	16:00	202	2	2	2	0	208
	17:00	135	2	3	4	0	144
	18:00	122	0	1	4	2	129
	19:00	86	0	0	0	0	86
	20:00	80	1	0	0	0	81
	21:00	41	0	0	1	0	42
	22:00	21	0	0	0	0	21
	23:00	13	0	0	0	0	13
Daily Total :		2982	27	53	39	4	3105
Percent :		96%	1%	2%	1%	0%	
Average :		124	1	2	2	0	129

(MTOVC5)		#1	#2	#3	#4	#5	
		0 -	650 -	1250 -	2110 -		
Date	Time	649cm	1249cm	2109cm	2300cm	Other	Total
03/15/21	00:00	9	0	0	0	0	9
Mon	01:00	4	1	0	0	0	5
	02:00	4	0	1	0	0	5
	03:00	7	0	0	0	0	7
	04:00	38	0	0	2	0	40
	05:00	149	1	0	0	1	151
	06:00	302	9	1	4	0	316
	07:00	333	5	2	7	0	347
	08:00	259	2	6	6	0	273
	09:00	223	6	11	4	1	245
	10:00	223	7	8	5	1	244
	11:00	279	4	9	6	0	298
	12:00	317	11	9	13	0	350
	13:00	374	9	7	14	2	406
	14:00	485	9	7	1	2	504
	15:00	484	9	2	6	0	501
	16:00	454	2	5	8	0	469
	17:00	294	3	1	3	0	301
	18:00	192	0	7	6	1	206
	19:00	114	1	3	5	1	124
	20:00	56	0	1	2	0	59
	21:00	47	0	0	2	0	49
	22:00	41	0	1	0	0	42
	23:00	15	0	0	0	0	15
Daily Total :		4703	79	81	94	9	4966
Percent :		95%	2%	2%	2%	0%	
Average :		196	3	3	4	0	206

Lane #2 Configuration

#	Dir.	Information	Vehicle Sensors	Sensor Spacing	Loop Length	Comment
2.	S	SB 2 LANE	Pr-Pr	360 cm	200 cm	

Lane #2 Basic Length Classification Data From: 00:00 - 03/09/2021 To: 23:59 - 03/15/2021

		(MTOVC5)					
		#1	#2	#3	#4	#5	
		0 - 650 - 1250 - 2110 -					
Date	Time	649cm	1249cm	2109cm	2300cm	Other	Total
03/09/21	00:00	88	3	11	15	0	117
Tue	01:00	43	3	11	7	0	64
	02:00	47	3	7	8	1	66
	03:00	36	2	8	8	0	54
	04:00	59	1	17	12	0	89
	05:00	205	5	34	18	1	263
	06:00	501	34	57	40	6	638
	07:00	773	87	69	36	10	975
	08:00	837	75	68	36	7	1023
	09:00	705	75	51	43	3	877
	10:00	737	69	66	55	11	938
	11:00	818	51	73	52	4	998
	12:00	808	66	102	69	3	1048
	13:00	791	70	92	97	14	1064
	14:00	984	67	64	78	6	1199
	15:00	1145	61	60	75	7	1348
	16:00	1345	49	48	64	4	1510
	17:00	1198	34	57	74	7	1370
	18:00	823	21	36	65	4	949
	19:00	614	17	22	46	9	708
	20:00	368	3	24	28	2	425
	21:00	294	5	18	27	1	345
	22:00	227	9	16	23	2	277
	23:00	190	1	11	20	0	222
Daily Total :		13636	811	1022	996	102	16567
Percent :		82%	5%	6%	6%	1%	
Average :		568	34	43	42	4	691

(MTOVC5)		#1	#2	#3	#4	#5	
		0 -	650 -	1250 -	2110 -		
Date	Time	649cm	1249cm	2109cm	2300cm	Other	Total
03/10/21	00:00	102	3	14	11	1	131
Wed	01:00	66	2	5	11	0	84
	02:00	44	1	6	9	0	60
	03:00	43	4	8	12	1	68
	04:00	64	0	14	9	0	87
	05:00	202	5	34	36	0	277
	06:00	469	34	53	35	2	593
	07:00	729	81	63	53	5	931
	08:00	870	71	68	51	7	1067
	09:00	782	61	57	34	8	942
	10:00	756	70	70	51	4	951
	11:00	793	50	75	51	8	977
	12:00	829	45	51	85	10	1020
	13:00	925	57	84	62	8	1136
	14:00	1020	65	73	84	3	1245
	15:00	1162	37	60	75	8	1342
	16:00	1331	51	50	56	4	1492
	17:00	1156	27	48	45	10	1286
	18:00	833	24	41	45	4	947
	19:00	614	12	33	27	1	687
	20:00	393	3	16	31	2	445
	21:00	320	3	8	28	1	360
	22:00	221	9	18	16	1	265
	23:00	188	6	12	15	1	222
Daily Total :		13912	721	961	932	89	16615
Percent :		84%	4%	6%	6%	1%	
Average :		580	30	40	39	4	693

(MTOVC5)		#1	#2	#3	#4	#5	
		0 -	650 -	1250 -	2110 -		
Date	Time	649cm	1249cm	2109cm	2300cm	Other	Total
03/11/21	00:00	97	4	8	18	1	128
Thu	01:00	45	6	5	12	1	69
	02:00	51	2	10	11	0	74
	03:00	38	3	13	12	1	67
	04:00	65	4	23	14	2	108
	05:00	193	13	38	32	4	280
	06:00	488	25	52	34	1	600
	07:00	755	56	68	41	5	925
	08:00	871	83	59	42	3	1058
	09:00	729	70	62	49	5	915
	10:00	741	66	82	44	6	939
	11:00	784	55	82	53	9	983
	12:00	837	41	71	75	6	1030
	13:00	880	61	90	55	5	1091
	14:00	1012	60	68	67	7	1214
	15:00	1161	45	58	72	4	1340
	16:00	1413	39	44	65	2	1563
	17:00	1155	18	40	53	3	1269
	18:00	859	27	38	51	3	978
	19:00	639	11	30	36	6	722
	20:00	404	7	17	42	1	471
	21:00	328	4	9	17	1	359
	22:00	220	6	8	15	0	249
	23:00	196	2	8	8	1	215
Daily Total :		13961	708	983	918	77	16647
Percent :		84%	4%	6%	6%	0%	
Average :		582	30	41	38	3	694

(MTOVC5)		#1	#2	#3	#4	#5	
		0 -	650 -	1250 -	2110 -		
Date	Time	649cm	1249cm	2109cm	2300cm	Other	Total
03/12/21	00:00	100	6	7	10	1	124
Fri	01:00	52	3	7	8	0	70
	02:00	48	2	6	5	1	62
	03:00	34	5	12	8	0	59
	04:00	75	4	20	10	0	109
	05:00	183	8	32	14	2	239
	06:00	443	32	41	41	6	563
	07:00	729	62	56	25	4	876
	08:00	848	76	69	25	4	1022
	09:00	765	57	46	39	4	911
	10:00	827	55	43	35	4	964
	11:00	881	62	50	29	4	1026
	12:00	949	55	58	25	5	1092
	13:00	1021	46	47	23	4	1141
	14:00	1144	58	37	24	1	1264
	15:00	1303	44	39	17	2	1405
	16:00	1381	43	33	19	1	1477
	17:00	1259	16	23	25	3	1326
	18:00	928	20	19	12	1	980
	19:00	686	11	11	17	5	730
	20:00	462	10	11	16	1	500
	21:00	359	4	7	4	1	375
	22:00	279	8	5	8	0	300
	23:00	220	2	10	4	0	236
Daily Total :		14976	689	689	443	54	16851
Percent :		89%	4%	4%	3%	0%	
Average :		624	29	29	18	2	702

(MTOVC5)		#1	#2	#3	#4	#5	
		0 -	650 -	1250 -	2110 -		
Date	Time	649cm	1249cm	2109cm	2300cm	Other	Total
03/13/21	00:00	128	4	1	7	0	140
Sat	01:00	62	2	3	5	0	72
	02:00	53	1	1	4	0	59
	03:00	41	4	8	4	0	57
	04:00	47	0	2	5	0	54
	05:00	104	8	7	5	3	127
	06:00	192	8	4	11	1	216
	07:00	364	11	7	9	0	391
	08:00	554	20	14	6	1	595
	09:00	740	18	10	13	2	783
	10:00	850	14	5	17	3	889
	11:00	966	23	13	24	0	1026
	12:00	1084	16	8	15	1	1124
	13:00	1096	18	10	13	5	1142
	14:00	1151	18	5	10	1	1185
	15:00	1090	16	6	11	1	1124
	16:00	1082	13	8	11	0	1114
	17:00	919	12	5	10	0	946
	18:00	680	12	5	11	0	708
	19:00	507	5	7	11	2	532
	20:00	399	3	2	6	0	410
	21:00	295	5	0	5	0	305
	22:00	242	7	3	8	0	260
	23:00	176	1	1	4	0	182
Daily Total :		12822	239	135	225	20	13441
Percent :		95%	2%	1%	2%	0%	
Average :		534	10	6	9	1	560

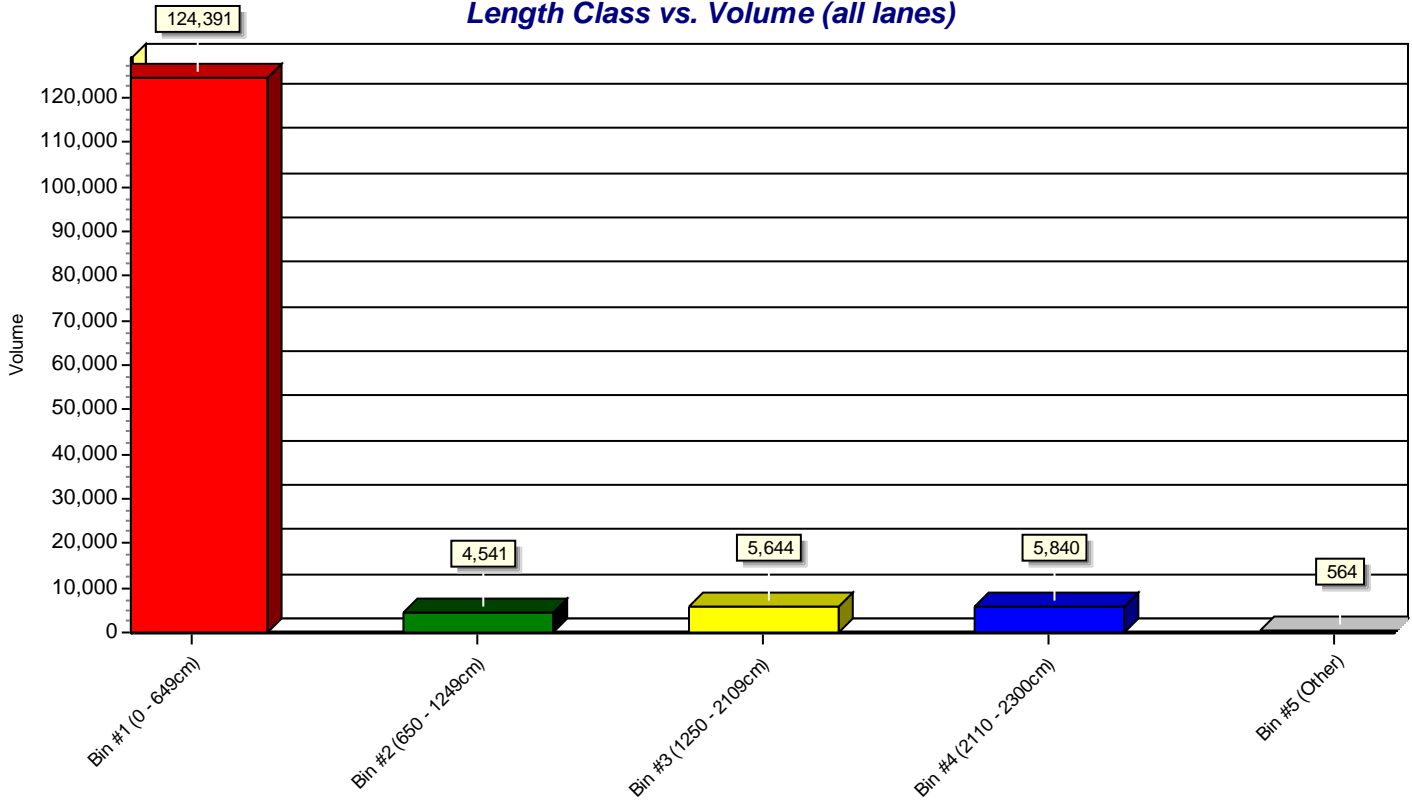
(MTOVC5)		#1	#2	#3	#4	#5	
		0 -	650 -	1250 -	2110 -		
Date	Time	649cm	1249cm	2109cm	2300cm	Other	Total
03/14/21	00:00	103	4	3	6	0	116
Sun	01:00	71	1	0	7	0	79
	02:00	52	2	0	5	1	60
	03:00	43	4	1	5	0	53
	04:00	87	4	4	6	0	101
	05:00	145	4	5	18	0	172
	06:00	169	4	7	25	1	206
	07:00	267	4	7	29	0	307
	08:00	476	9	27	29	1	542
	09:00	634	12	17	51	1	715
	10:00	760	8	37	74	1	880
	11:00	962	19	37	54	2	1074
	12:00	973	21	50	69	2	1115
	13:00	953	16	41	88	2	1100
	14:00	950	9	39	64	2	1064
	15:00	829	15	19	76	8	947
	16:00	664	11	25	57	2	759
	17:00	555	11	20	51	6	643
	18:00	449	4	18	35	1	507
	19:00	382	7	11	26	0	426
	20:00	291	3	9	15	0	318
	21:00	197	7	7	17	1	229
	22:00	143	0	4	18	5	170
	23:00	79	3	5	11	2	100
Daily Total :		10234	182	393	836	38	11683
Percent :		88%	2%	3%	7%	0%	
Average :		426	8	16	35	2	487

(MTOVC5)		#1	#2	#3	#4	#5	
		0 -	650 -	1250 -	2110 -		
Date	Time	649cm	1249cm	2109cm	2300cm	Other	Total
03/15/21	00:00	34	2	4	14	0	54
Mon	01:00	39	7	14	6	0	66
	02:00	28	3	20	8	0	59
	03:00	55	3	16	18	0	92
	04:00	196	11	31	16	4	258
	05:00	481	29	42	43	1	596
	06:00	694	65	57	49	3	868
	07:00	861	75	75	43	4	1058
	08:00	694	78	65	53	6	896
	09:00	700	55	52	60	4	871
	10:00	690	47	71	55	7	870
	11:00	823	50	86	93	7	1059
	12:00	891	59	92	62	3	1107
	13:00	992	42	56	83	7	1180
	14:00	1225	49	58	68	4	1404
	15:00	1233	46	45	84	4	1412
	16:00	1216	27	65	54	3	1365
	17:00	807	27	49	63	6	952
	18:00	638	19	38	56	5	756
	19:00	438	13	19	36	0	506
	20:00	285	8	17	20	2	332
	21:00	207	8	18	9	0	242
	22:00	206	0	17	12	1	236
	23:00	89	3	13	11	1	117
Daily Total :		13522	726	1020	1016	72	16356
Percent :		83%	4%	6%	6%	0%	
Average :		563	30	43	42	3	681

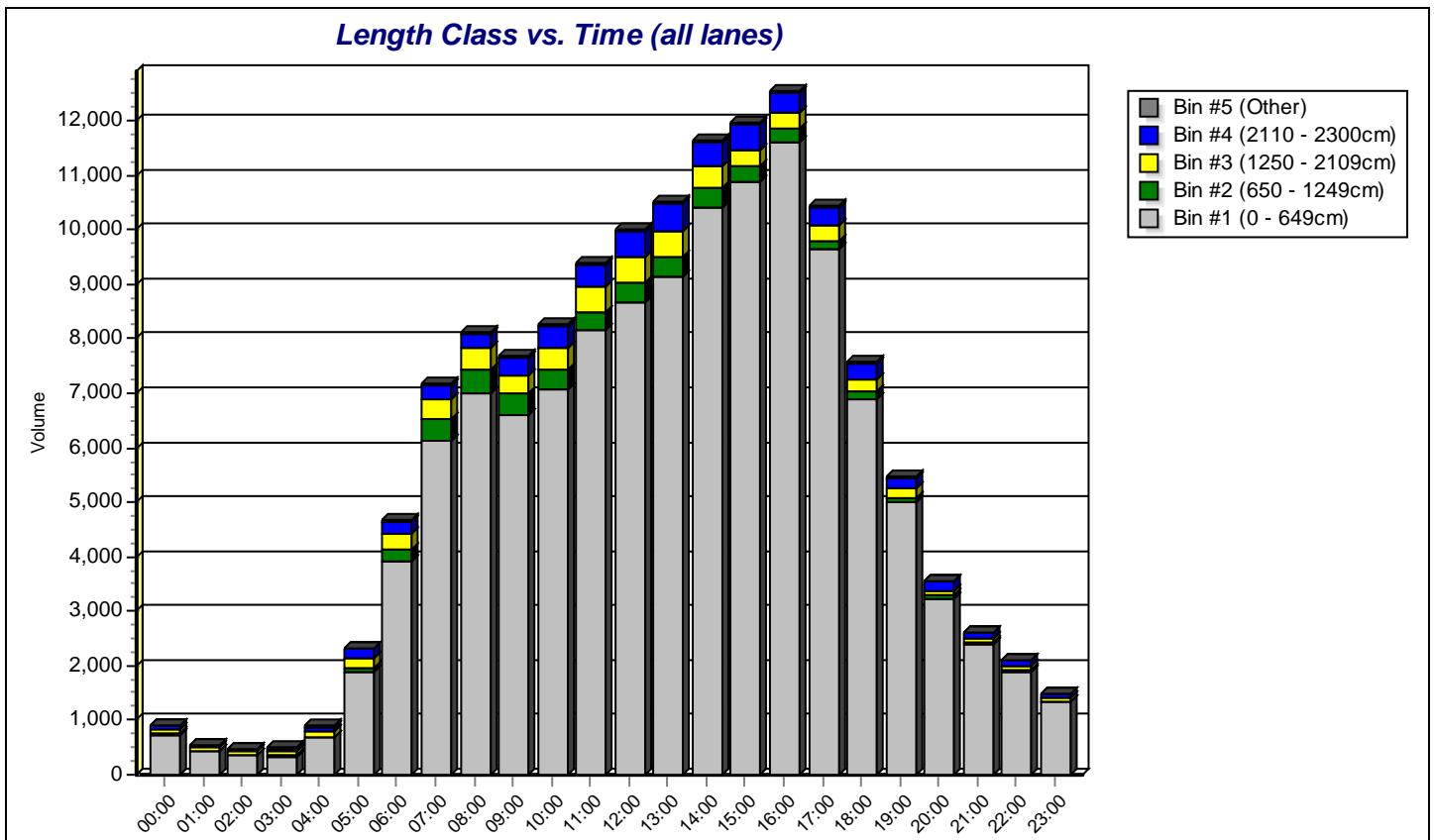
Basic Length Class Summary: V21001 SB

<i>(MTOVC5)</i>		#1	#2	#3	#4	#5	
		0 - 649cm	650 - 1249cm	1250 - 2109cm	2110 - 2300cm	Other	Total
Description	Lane						
TOTAL COUNT :	#1.	31328	465	441	474	112	32820
	#2.	93063	4076	5203	5366	452	108160
		<u>124391</u>	<u>4541</u>	<u>5644</u>	<u>5840</u>	<u>564</u>	<u>140980</u>
Percents :	#1.	95%	1%	1%	1%	0%	23%
	#2.	86%	4%	5%	5%	0%	77%
		<u>88%</u>	<u>3%</u>	<u>4%</u>	<u>4%</u>	<u>0%</u>	
Average :	#1.	186	3	3	3	1	196
	#2.	554	24	31	32	3	644
		<u>740</u>	<u>27</u>	<u>34</u>	<u>35</u>	<u>4</u>	<u>840</u>
Days & ADT :	#1.	7.0	4688				
	#2.	7.0	15451				
		<u>7.0</u>	<u>20140</u>				

Length Class vs. Volume (all lanes)



Length Class vs. Time (all lanes)



Hourly Multi-Channel Report: V21001 NB

Station ID : V21001 NB

Info Line 1 : QEW 1.44 km N of
Info Line 2 : MCLEOD RD. IC 27

GPS Lat/Lon :

DB File : V21001 NB.DB

Last Connected Device Type : Phoenix

Version Number : 2.39

Serial Number : 51732

Number of Lanes : 2

Posted Speed Limit : 100.0 kph

Lane Configuration

#	Dir.	Information	Volume Mode	Volume Sensors	Divide By 2	Comment
1.	N	NB 1 LANE	Normal	Veh.	No	
2.	N	NB 2 LANE	Normal	Veh.	No	

Hourly Multi-Channel Data From: 00:00 - 03/09/2021 To: 23:59 - 03/15/2021

Date	Time	#1	#2	Avg.	Total
03/09/21	00:00	17	72	45	89
Tue	01:00	10	56	33	66
	02:00	5	54	30	59
	03:00	7	56	32	63
	04:00	50	148	99	198
	05:00	171	331	251	502
	06:00	419	570	495	989
	07:00	686	837	762	1523
	08:00	767	926	847	1693
	09:00	540	809	675	1349
	10:00	494	789	642	1283
	11:00	520	858	689	1378
	12:00	511	844	678	1355
	13:00	586	825	706	1411
	14:00	670	945	808	1615
	15:00	753	1016	885	1769
	16:00	791	1052	922	1843
	17:00	657	916	787	1573
	18:00	422	683	553	1105
	19:00	288	484	386	772
	20:00	189	439	314	628
	21:00	146	321	234	467
	22:00	70	214	142	284
	23:00	50	164	107	214
Day Total :		8819	13409	11122	22228
Percents :		40%	60%		

Lane	AM Total	AM Avg.	AM %	Peak AM	Peak %	PM Total	PM Avg.	PM %	Peak PM	Peak %
#1	3686	307.2	41.8%	08:00 = 767	8.7%	5133	427.8	58.2%	16:00 = 791	9.0%
#2	5506	458.8	41.1%	08:00 = 926	6.9%	7903	658.6	58.9%	16:00 = 1052	7.8%
Comb.	9192	766.0	41.4%	08:00 = 1693	7.6%	13036	1086.3	58.6%	16:00 = 1843	8.3%

Date	Time	#1	#2	Avg.	Total
03/10/21	00:00	22	92	57	114
Wed	01:00	11	48	30	59
	02:00	11	49	30	60
	03:00	12	52	32	64
	04:00	48	147	98	195
	05:00	175	329	252	504
	06:00	408	567	488	975
	07:00	668	824	746	1492
	08:00	705	919	812	1624
	09:00	548	788	668	1336
	10:00	539	827	683	1366
	11:00	519	885	702	1404
	12:00	523	848	686	1371
	13:00	555	861	708	1416
	14:00	697	939	818	1636
	15:00	763	985	874	1748
	16:00	799	1028	914	1827
	17:00	625	921	773	1546
	18:00	389	681	535	1070
	19:00	259	532	396	791
	20:00	213	429	321	642
	21:00	143	322	233	465
	22:00	87	290	189	377
	23:00	50	196	123	246
Day Total :		8769	13559	11168	22328
Percents :		39%	61%		

Lane	AM Total	AM Avg.	AM %	Peak AM	Peak %	PM Total	PM Avg.	PM %	Peak PM	Peak %
#1	3666	305.5	41.8%	08:00 = 705	8.0%	5103	425.3	58.2%	16:00 = 799	9.1%
#2	5527	460.6	40.8%	08:00 = 919	6.8%	8032	669.3	59.2%	16:00 = 1028	7.6%
Comb.	9193	766.1	41.2%	08:00 = 1624	7.3%	13135	1094.6	58.8%	16:00 = 1827	8.2%

Date	Time	#1	#2	Avg.	Total
03/11/21	00:00	23	97	60	120
Thu	01:00	13	56	35	69
	02:00	8	52	30	60
	03:00	4	61	33	65
	04:00	48	138	93	186
	05:00	175	336	256	511
	06:00	423	566	495	989
	07:00	662	811	737	1473
	08:00	730	904	817	1634
	09:00	548	800	674	1348
	10:00	541	813	677	1354
	11:00	549	846	698	1395
	12:00	581	897	739	1478
	13:00	557	880	719	1437
	14:00	697	970	834	1667
	15:00	739	968	854	1707
	16:00	801	1017	909	1818
	17:00	664	923	794	1587
	18:00	398	653	526	1051
	19:00	313	551	432	864
	20:00	188	430	309	618
	21:00	105	276	191	381
	22:00	87	270	179	357
	23:00	62	191	127	253
Day Total :		8916	13506	11218	22422
Percents :		40%	60%		

Lane	AM Total	AM Avg.	AM %	Peak AM	Peak %	PM Total	PM Avg.	PM %	Peak PM	Peak %
#1	3724	310.3	41.8%	08:00 = 730	8.2%	5192	432.7	58.2%	16:00 = 801	9.0%
#2	5480	456.7	40.6%	08:00 = 904	6.7%	8026	668.8	59.4%	16:00 = 1017	7.5%
Comb.	9204	767.0	41.0%	08:00 = 1634	7.3%	13218	1101.5	59.0%	16:00 = 1818	8.1%

Date	Time	#1	#2	Avg.	Total
03/12/21	00:00	21	93	57	114
Fri	01:00	13	75	44	88
	02:00	8	44	26	52
	03:00	10	66	38	76
	04:00	49	162	106	211
	05:00	171	304	238	475
	06:00	381	562	472	943
	07:00	647	802	725	1449
	08:00	698	889	794	1587
	09:00	546	848	697	1394
	10:00	590	876	733	1466
	11:00	599	956	778	1555
	12:00	545	899	722	1444
	13:00	623	915	769	1538
	14:00	738	979	859	1717
	15:00	789	992	891	1781
	16:00	857	1086	972	1943
	17:00	703	909	806	1612
	18:00	444	753	599	1197
	19:00	329	580	455	909
	20:00	245	467	356	712
	21:00	152	353	253	505
	22:00	84	246	165	330
	23:00	63	199	131	262
Day Total :		9305	14055	11686	23360
Percents :		40%	60%		

Lane	AM Total	AM Avg.	AM %	Peak AM	Peak %	PM Total	PM Avg.	PM %	Peak PM	Peak %
#1	3733	311.1	40.1%	08:00 = 698	7.5%	5572	464.3	59.9%	16:00 = 857	9.2%
#2	5677	473.1	40.4%	11:00 = 956	6.8%	8378	698.2	59.6%	16:00 = 1086	7.7%
Comb.	9410	784.2	40.3%	08:00 = 1587	6.8%	13950	1162.5	59.7%	16:00 = 1943	8.3%

Date	Time	#1	#2	Avg.	Total
03/13/21	00:00	34	107	71	141
Sat	01:00	19	88	54	107
	02:00	12	57	35	69
	03:00	15	43	29	58
	04:00	15	65	40	80
	05:00	43	144	94	187
	06:00	91	268	180	359
	07:00	145	369	257	514
	08:00	285	566	426	851
	09:00	382	687	535	1069
	10:00	520	860	690	1380
	11:00	515	929	722	1444
	12:00	585	915	750	1500
	13:00	571	951	761	1522
	14:00	615	1003	809	1618
	15:00	546	954	750	1500
	16:00	397	901	649	1298
	17:00	434	762	598	1196
	18:00	372	664	518	1036
	19:00	235	480	358	715
	20:00	124	345	235	469
	21:00	101	284	193	385
	22:00	94	257	176	351
	23:00	59	209	134	268
Day Total :		6209	11908	9064	18117
Percents :		34%	66%		

Lane	AM Total	AM Avg.	AM %	Peak AM	Peak %	PM Total	PM Avg.	PM %	Peak PM	Peak %
#1	2076	173.0	33.4%	10:00 = 520	8.4%	4133	344.4	66.6%	14:00 = 615	9.9%
#2	4183	348.6	35.1%	11:00 = 929	7.8%	7725	643.8	64.9%	14:00 = 1003	8.4%
Comb.	6259	521.6	34.5%	11:00 = 1444	8.0%	11858	988.2	65.5%	14:00 = 1618	8.9%

Date	Time	#1	#2	Avg.	Total
03/14/21	00:00	34	118	76	152
Sun	01:00	24	66	45	90
	02:00	14	58	36	72
	03:00	10	49	30	59
	04:00	30	88	59	118
	05:00	37	145	91	182
	06:00	57	176	117	233
	07:00	113	316	215	429
	08:00	184	456	320	640
	09:00	291	612	452	903
	10:00	397	726	562	1123
	11:00	507	856	682	1363
	12:00	520	880	700	1400
	13:00	520	893	707	1413
	14:00	475	857	666	1332
	15:00	435	758	597	1193
	16:00	355	695	525	1050
	17:00	285	583	434	868
	18:00	220	463	342	683
	19:00	184	353	269	537
	20:00	97	283	190	380
	21:00	87	232	160	319
	22:00	35	133	84	168
	23:00	18	60	39	78
Day Total :		4929	9856	7398	14785
Percents :		33%	67%		

Lane	AM Total	AM Avg.	AM %	Peak AM	Peak %	PM Total	PM Avg.	PM %	Peak PM	Peak %
#1	1698	141.5	34.4%	11:00 = 507	10.3%	3231	269.3	65.6%	12:00 = 520	10.5%
#2	3666	305.5	37.2%	11:00 = 856	8.7%	6190	515.8	62.8%	13:00 = 893	9.1%
Comb.	5364	447.0	36.3%	11:00 = 1363	9.2%	9421	785.1	63.7%	13:00 = 1413	9.6%

Date	Time	#1	#2	Avg.	Total
03/15/21	00:00	9	44	27	53
Mon	01:00	6	40	23	46
	02:00	5	38	22	43
	03:00	35	124	80	159
	04:00	185	326	256	511
	05:00	395	504	450	899
	06:00	626	773	700	1399
	07:00	671	925	798	1596
	08:00	466	760	613	1226
	09:00	420	766	593	1186
	10:00	462	757	610	1219
	11:00	497	802	650	1299
	12:00	548	842	695	1390
	13:00	634	944	789	1578
	14:00	679	959	819	1638
	15:00	807	959	883	1766
	16:00	617	923	770	1540
	17:00	379	679	529	1058
	18:00	300	553	427	853
	19:00	221	472	347	693
	20:00	111	319	215	430
	21:00	98	254	176	352
	22:00	60	168	114	228
	23:00	22	91	57	113
Day Total :		8253	13022	10643	21275
Percents :		39%	61%		

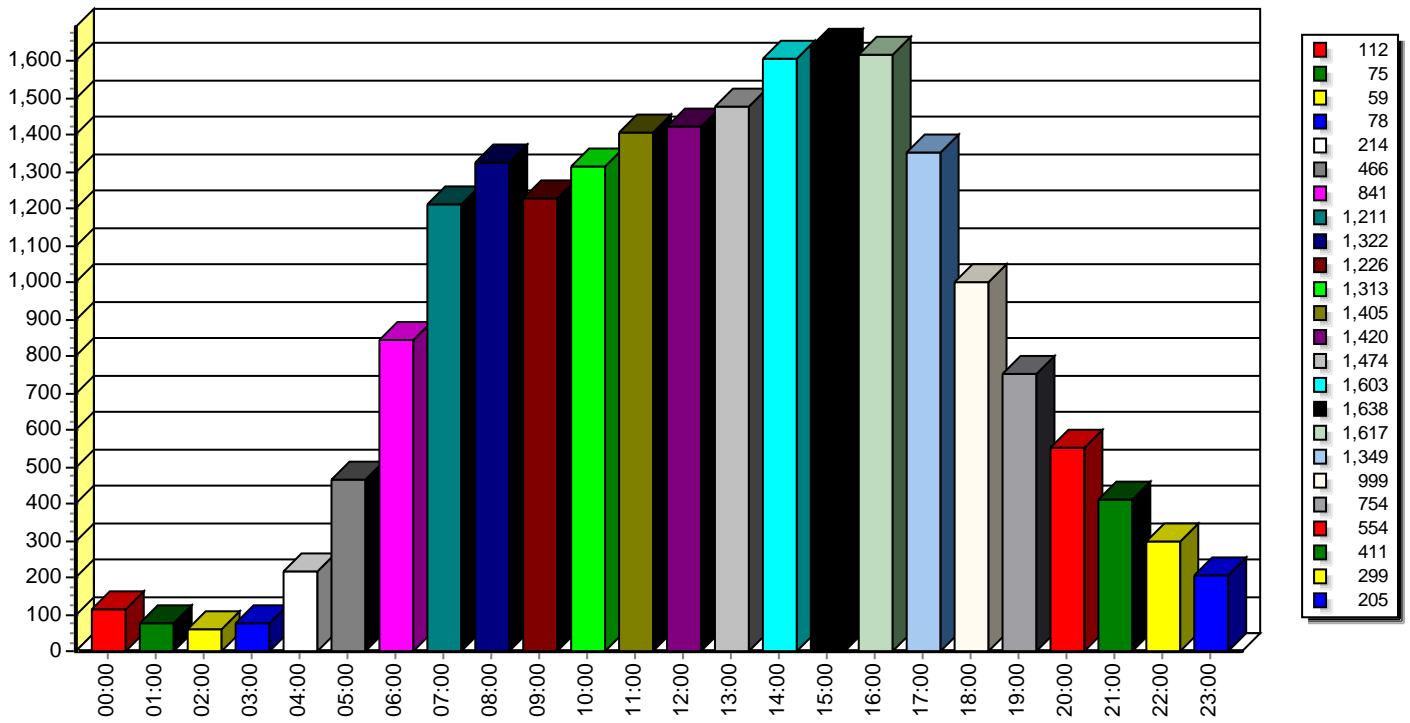
Lane	AM Total	AM Avg.	AM %	Peak AM	Peak %	PM Total	PM Avg.	PM %	Peak PM	Peak %
#1	3777	314.8	45.8%	07:00 = 671	8.1%	4476	373.0	54.2%	15:00 = 807	9.8%
#2	5859	488.3	45.0%	07:00 = 925	7.1%	7163	596.9	55.0%	14:00 = 959	7.4%
Comb.	9636	803.0	45.3%	07:00 = 1596	7.5%	11639	969.9	54.7%	15:00 = 1766	8.3%

Hourly Multi-Channel Summary: V21001 NB

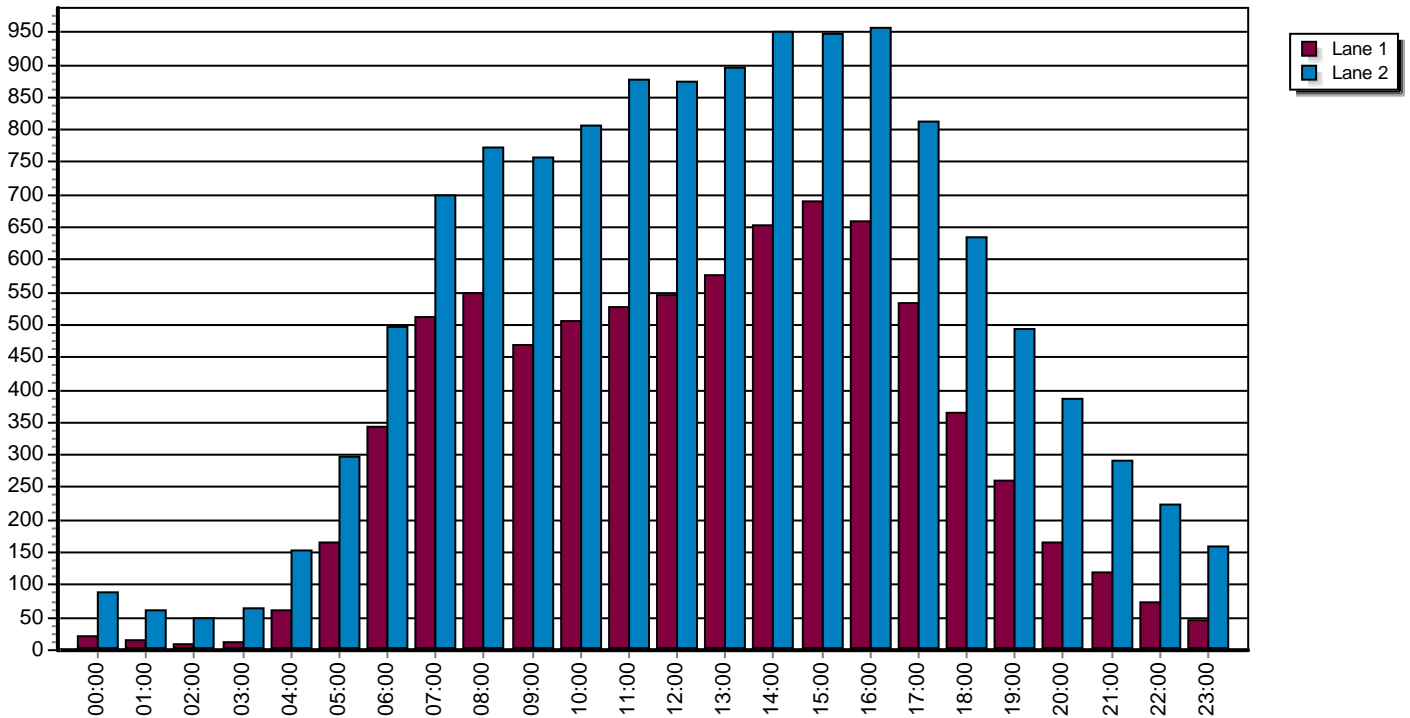
Date	Time	#1	#2	Avg.	Total
03/09/21	00:00	160	623	392	783
Tue	01:00	96	429	263	525
	02:00	63	352	208	415
	03:00	93	451	272	544
	04:00	425	1074	750	1499
	05:00	1167	2093	1630	3260
	06:00	2405	3482	2944	5887
	07:00	3592	4884	4238	8476
	08:00	3835	5420	4628	9255
	09:00	3275	5310	4293	8585
	10:00	3543	5648	4596	9191
	11:00	3706	6132	4919	9838
	12:00	3813	6125	4969	9938
	13:00	4046	6269	5158	10315
	14:00	4571	6652	5612	11223
	15:00	4832	6632	5732	11464
	16:00	4617	6702	5660	11319
	17:00	3747	5693	4720	9440
	18:00	2545	4450	3498	6995
	19:00	1829	3452	2641	5281
	20:00	1167	2712	1940	3879
	21:00	832	2042	1437	2874
Mon	22:00	517	1578	1048	2095
03/15/21	23:00	324	1110	717	1434
Grand Total :		55200	89315	72265	144515
Percents :		38%	62%		

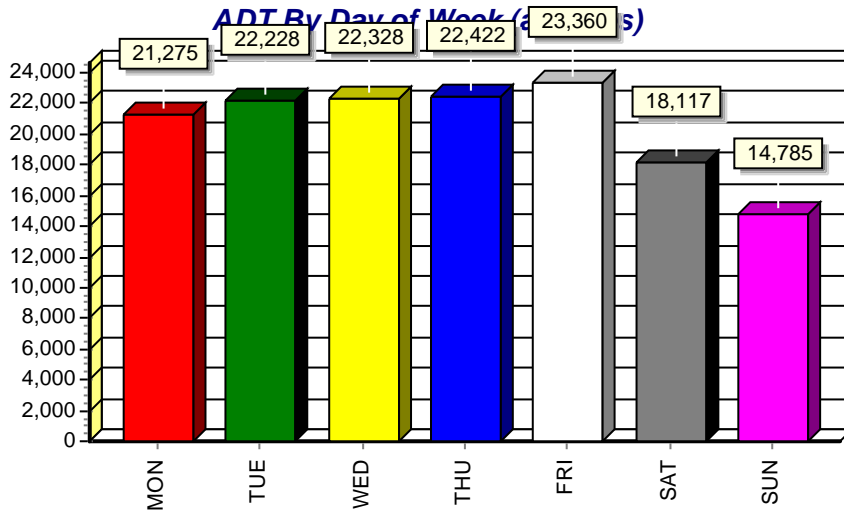
Lane	AM Total	AM Avg.	AM %	Peak AM	Peak %	PM Total	PM Avg.	PM %	Peak PM	Peak %
#1	22360	266.2	40.5%	08:00 = 3835	6.9%	32840	391.0	59.5%	15:00 = 4832	8.8%
#2	35898	427.4	40.2%	11:00 = 6132	6.9%	53417	635.9	59.8%	16:00 = 6702	7.5%
Comb.	58258	693.5	40.3%	11:00 = 9838	6.8%	86257	1026.9	59.7%	15:00 = 11464	7.9%

ADT Volume vs. Time (all lanes combined)



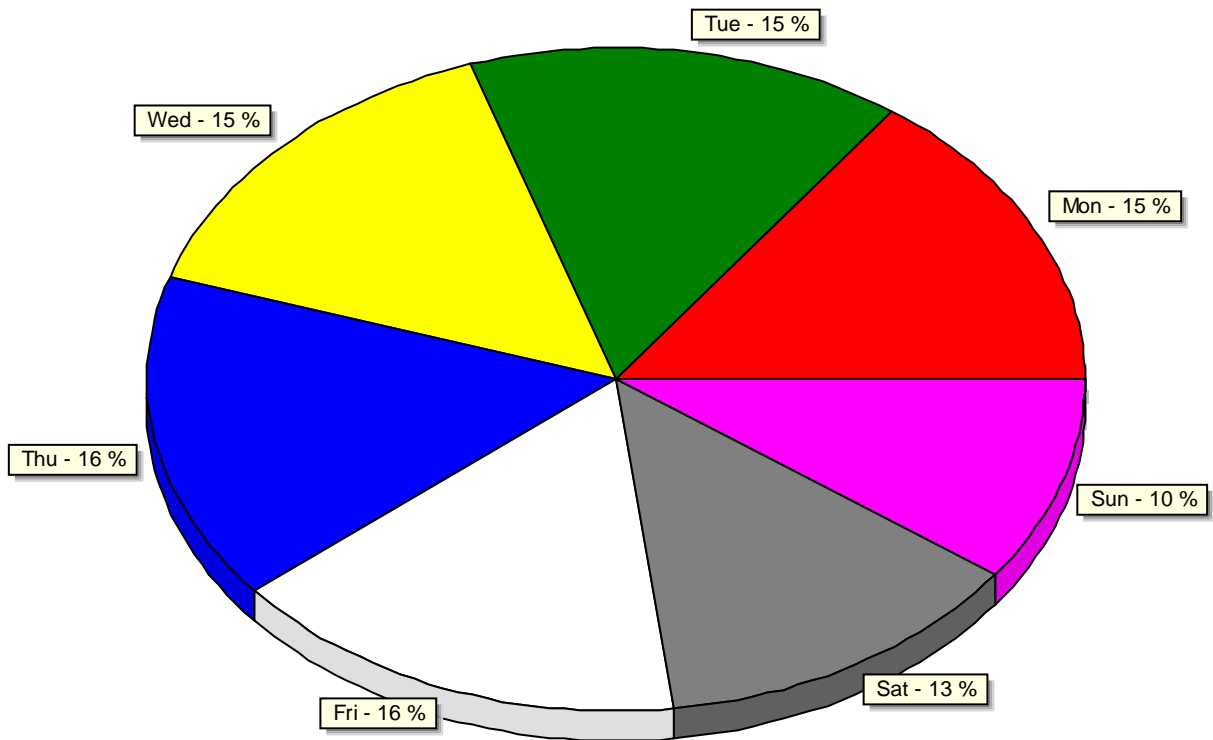
ADT Volume vs. Time (lane comparison)





DAY	ADT	TOTAL	# DAYS
Mon	21275	21275	1.0
Tue	22228	22228	1.0
Wed	22328	22328	1.0
Thu	22422	22422	1.0
Fri	23360	23360	1.0
Sat	18117	18117	1.0
Sun	14785	14785	1.0

Percent of Totals by Day of Week



Hourly Multi-Channel Report: V21001 SB

Station ID : V21001 SB

Info Line 1 : QEW 1.44 km N of
Info Line 2 : MCLEOD RD. IC 27

GPS Lat/Lon :

DB File : V21001 SB.DB

Last Connected Device Type : Unicorn

Version Number : 2.94

Serial Number : 51912

Number of Lanes : 2

Posted Speed Limit : 100.0 kph

Lane Configuration

#	Dir.	Information	Volume Mode	Volume Sensors	Divide By 2	Comment
1.	S	SB 1 LANE	Normal	Veh.	No	
2.	S	SB 2 LANE	Normal	Veh.	No	

Hourly Multi-Channel Data From: 00:00 - 03/09/2021 To: 23:59 - 03/15/2021

Date	Time	#1	#2	Avg.	Total
03/09/21	00:00	9	117	63	126
Tue	01:00	4	64	34	68
	02:00	2	66	34	68
	03:00	1	54	28	55
	04:00	8	89	49	97
	05:00	50	263	157	313
	06:00	163	638	401	801
	07:00	344	975	660	1319
	08:00	355	1023	689	1378
	09:00	272	877	575	1149
	10:00	278	938	608	1216
	11:00	292	998	645	1290
	12:00	370	1048	709	1418
	13:00	402	1064	733	1466
	14:00	433	1199	816	1632
	15:00	484	1348	916	1832
	16:00	608	1510	1059	2118
	17:00	511	1370	941	1881
	18:00	315	949	632	1264
	19:00	209	708	459	917
	20:00	104	425	265	529
	21:00	59	345	202	404
	22:00	44	277	161	321
	23:00	37	222	130	259
Day Total :		5354	16567	10966	21921
Percents :		24%	76%		

Lane	AM Total	AM Avg.	AM %	Peak AM	Peak %	PM Total	PM Avg.	PM %	Peak PM	Peak %
#1	1778	148.2	33.2%	08:00 = 355	6.6%	3576	298.0	66.8%	16:00 = 608	11.4%
#2	6102	508.5	36.8%	08:00 = 1023	6.2%	10465	872.1	63.2%	16:00 = 1510	9.1%
Comb.	7880	656.7	35.9%	08:00 = 1378	6.3%	14041	1170.1	64.1%	16:00 = 2118	9.7%

Date	Time	#1	#2	Avg.	Total
03/10/21	00:00	18	131	75	149
Wed	01:00	4	84	44	88
	02:00	4	60	32	64
	03:00	4	68	36	72
	04:00	7	87	47	94
	05:00	43	277	160	320
	06:00	155	593	374	748
	07:00	340	931	636	1271
	08:00	380	1067	724	1447
	09:00	279	942	611	1221
	10:00	279	951	615	1230
	11:00	326	977	652	1303
	12:00	322	1020	671	1342
	13:00	359	1136	748	1495
	14:00	503	1245	874	1748
	15:00	521	1342	932	1863
	16:00	598	1492	1045	2090
	17:00	497	1286	892	1783
	18:00	290	947	619	1237
	19:00	193	687	440	880
	20:00	97	445	271	542
	21:00	57	360	209	417
	22:00	55	265	160	320
	23:00	28	222	125	250
Day Total :		5359	16615	10992	21974
Percents :		24%	76%		

Lane	AM Total	AM Avg.	AM %	Peak AM	Peak %	PM Total	PM Avg.	PM %	Peak PM	Peak %
#1	1839	153.3	34.3%	08:00 = 380	7.1%	3520	293.3	65.7%	16:00 = 598	11.2%
#2	6168	514.0	37.1%	08:00 = 1067	6.4%	10447	870.6	62.9%	16:00 = 1492	9.0%
Comb.	8007	667.3	36.4%	08:00 = 1447	6.6%	13967	1163.9	63.6%	16:00 = 2090	9.5%

Date	Time	#1	#2	Avg.	Total
03/11/21	00:00	10	128	69	138
Thu	01:00	11	69	40	80
	02:00	6	74	40	80
	03:00	5	67	36	72
	04:00	6	108	57	114
	05:00	47	280	164	327
	06:00	150	600	375	750
	07:00	289	925	607	1214
	08:00	392	1058	725	1450
	09:00	288	915	602	1203
	10:00	293	939	616	1232
	11:00	312	983	648	1295
	12:00	315	1030	673	1345
	13:00	376	1091	734	1467
	14:00	450	1214	832	1664
	15:00	484	1340	912	1824
	16:00	550	1563	1057	2113
	17:00	470	1269	870	1739
	18:00	313	978	646	1291
	19:00	201	722	462	923
	20:00	103	471	287	574
	21:00	60	359	210	419
	22:00	41	249	145	290
	23:00	37	215	126	252
Day Total :		5209	16647	10933	21856
Percents :		24%	76%		

Lane	AM Total	AM Avg.	AM %	Peak AM	Peak %	PM Total	PM Avg.	PM %	Peak PM	Peak %
#1	1809	150.8	34.7%	08:00 = 392	7.5%	3400	283.3	65.3%	16:00 = 550	10.6%
#2	6146	512.2	36.9%	08:00 = 1058	6.4%	10501	875.1	63.1%	16:00 = 1563	9.4%
Comb.	7955	662.9	36.4%	08:00 = 1450	6.6%	13901	1158.4	63.6%	16:00 = 2113	9.7%

Date	Time	#1	#2	Avg.	Total
03/12/21	00:00	16	124	70	140
Fri	01:00	3	70	37	73
	02:00	6	62	34	68
	03:00	10	59	35	69
	04:00	10	109	60	119
	05:00	46	239	143	285
	06:00	161	563	362	724
	07:00	298	876	587	1174
	08:00	323	1022	673	1345
	09:00	261	911	586	1172
	10:00	287	964	626	1251
	11:00	313	1026	670	1339
	12:00	342	1092	717	1434
	13:00	408	1141	775	1549
	14:00	475	1264	870	1739
	15:00	462	1405	934	1867
	16:00	513	1477	995	1990
	17:00	499	1326	913	1825
	18:00	290	980	635	1270
	19:00	228	730	479	958
	20:00	126	500	313	626
	21:00	70	375	223	445
	22:00	73	300	187	373
	23:00	41	236	139	277
Day Total :		5261	16851	11063	22112
Percents :		24%	76%		

Lane	AM Total	AM Avg.	AM %	Peak AM	Peak %	PM Total	PM Avg.	PM %	Peak PM	Peak %
#1	1734	144.5	33.0%	08:00 = 323	6.1%	3527	293.9	67.0%	16:00 = 513	9.8%
#2	6025	502.1	35.8%	11:00 = 1026	6.1%	10826	902.2	64.2%	16:00 = 1477	8.8%
Comb.	7759	646.6	35.1%	08:00 = 1345	6.1%	14353	1196.1	64.9%	16:00 = 1990	9.0%

Date	Time	#1	#2	Avg.	Total
03/13/21	00:00	12	140	76	152
Sat	01:00	13	72	43	85
	02:00	2	59	31	61
	03:00	6	57	32	63
	04:00	3	54	29	57
	05:00	21	127	74	148
	06:00	26	216	121	242
	07:00	58	391	225	449
	08:00	109	595	352	704
	09:00	158	783	471	941
	10:00	211	889	550	1100
	11:00	339	1026	683	1365
	12:00	373	1124	749	1497
	13:00	364	1142	753	1506
	14:00	380	1185	783	1565
	15:00	317	1124	721	1441
	16:00	327	1114	721	1441
	17:00	251	946	599	1197
	18:00	214	708	461	922
	19:00	131	532	332	663
	20:00	94	410	252	504
	21:00	53	305	179	358
	22:00	67	260	164	327
	23:00	37	182	110	219
Day Total :		3566	13441	8511	17007
Percents :		21%	79%		

Lane	AM Total	AM Avg.	AM %	Peak AM	Peak %	PM Total	PM Avg.	PM %	Peak PM	Peak %
#1	958	79.8	26.9%	11:00 = 339	9.5%	2608	217.3	73.1%	14:00 = 380	10.7%
#2	4409	367.4	32.8%	11:00 = 1026	7.6%	9032	752.7	67.2%	14:00 = 1185	8.8%
Comb.	5367	447.3	31.6%	11:00 = 1365	8.0%	11640	970.0	68.4%	14:00 = 1565	9.2%

Date	Time	#1	#2	Avg.	Total
03/14/21	00:00	18	116	67	134
Sun	01:00	4	79	42	83
	02:00	7	60	34	67
	03:00	8	53	31	61
	04:00	10	101	56	111
	05:00	20	172	96	192
	06:00	26	206	116	232
	07:00	40	307	174	347
	08:00	87	542	315	629
	09:00	158	715	437	873
	10:00	241	880	561	1121
	11:00	381	1074	728	1455
	12:00	401	1115	758	1516
	13:00	362	1100	731	1462
	14:00	328	1064	696	1392
	15:00	290	947	619	1237
	16:00	208	759	484	967
	17:00	144	643	394	787
	18:00	129	507	318	636
	19:00	86	426	256	512
	20:00	81	318	200	399
	21:00	42	229	136	271
	22:00	21	170	96	191
	23:00	13	100	57	113
Day Total :		3105	11683	7402	14788
Percents :		21%	79%		

Lane	AM Total	AM Avg.	AM %	Peak AM	Peak %	PM Total	PM Avg.	PM %	Peak PM	Peak %
#1	1000	83.3	32.2%	11:00 = 381	12.3%	2105	175.4	67.8%	12:00 = 401	12.9%
#2	4305	358.8	36.8%	11:00 = 1074	9.2%	7378	614.8	63.2%	12:00 = 1115	9.5%
Comb.	5305	442.1	35.9%	11:00 = 1455	9.8%	9483	790.3	64.1%	12:00 = 1516	10.3%

Date	Time	#1	#2	Avg.	Total
03/15/21	00:00	9	54	32	63
Mon	01:00	5	66	36	71
	02:00	5	59	32	64
	03:00	7	92	50	99
	04:00	40	258	149	298
	05:00	151	596	374	747
	06:00	316	868	592	1184
	07:00	347	1058	703	1405
	08:00	273	896	585	1169
	09:00	245	871	558	1116
	10:00	244	870	557	1114
	11:00	298	1059	679	1357
	12:00	350	1107	729	1457
	13:00	406	1180	793	1586
	14:00	504	1404	954	1908
	15:00	501	1412	957	1913
	16:00	469	1365	917	1834
	17:00	301	952	627	1253
	18:00	206	756	481	962
	19:00	124	506	315	630
	20:00	59	332	196	391
	21:00	49	242	146	291
	22:00	42	236	139	278
	23:00	15	117	66	132
Day Total :		4966	16356	10667	21322
Percents :		23%	77%		

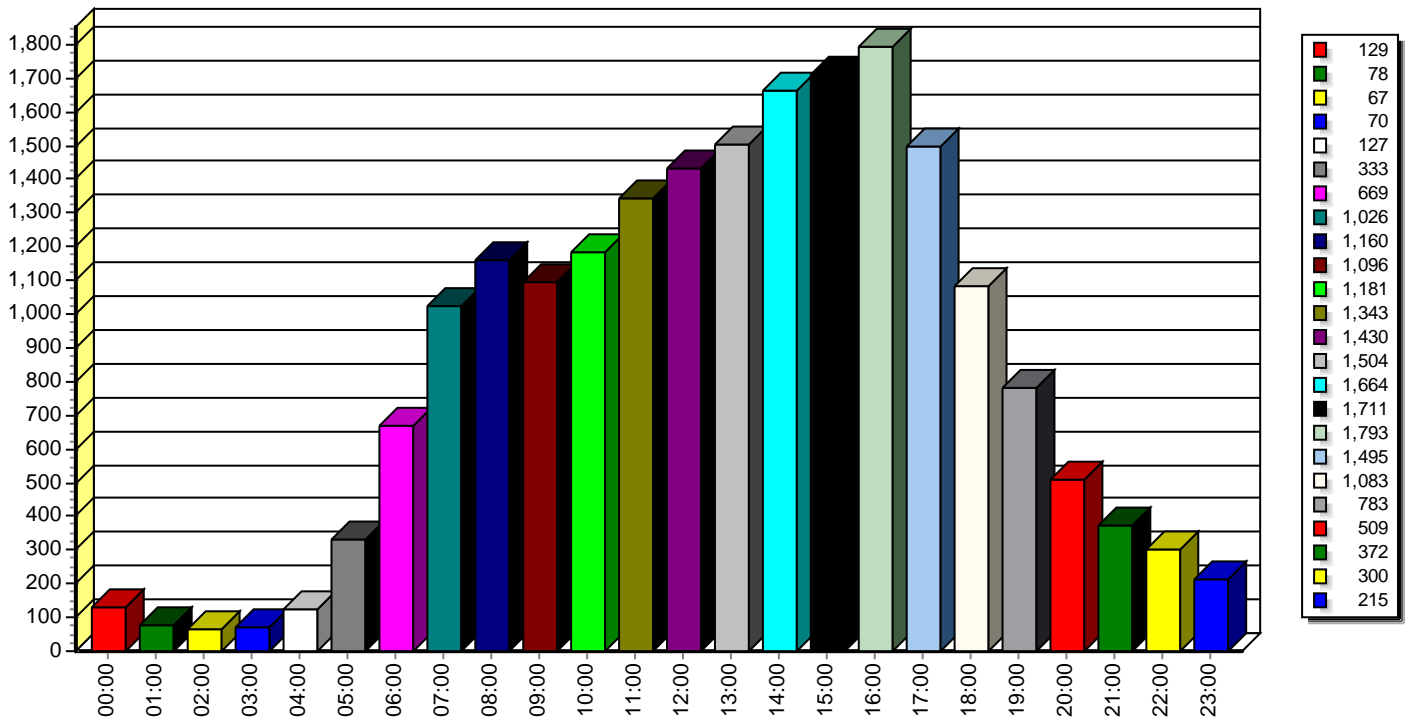
Lane	AM Total	AM Avg.	AM %	Peak AM	Peak %	PM Total	PM Avg.	PM %	Peak PM	Peak %
#1	1940	161.7	39.1%	07:00 = 347	7.0%	3026	252.2	60.9%	14:00 = 504	10.1%
#2	6747	562.3	41.3%	11:00 = 1059	6.5%	9609	800.8	58.7%	15:00 = 1412	8.6%
Comb.	8687	723.9	40.7%	07:00 = 1405	6.6%	12635	1052.9	59.3%	15:00 = 1913	9.0%

Hourly Multi-Channel Summary: V21001 SB

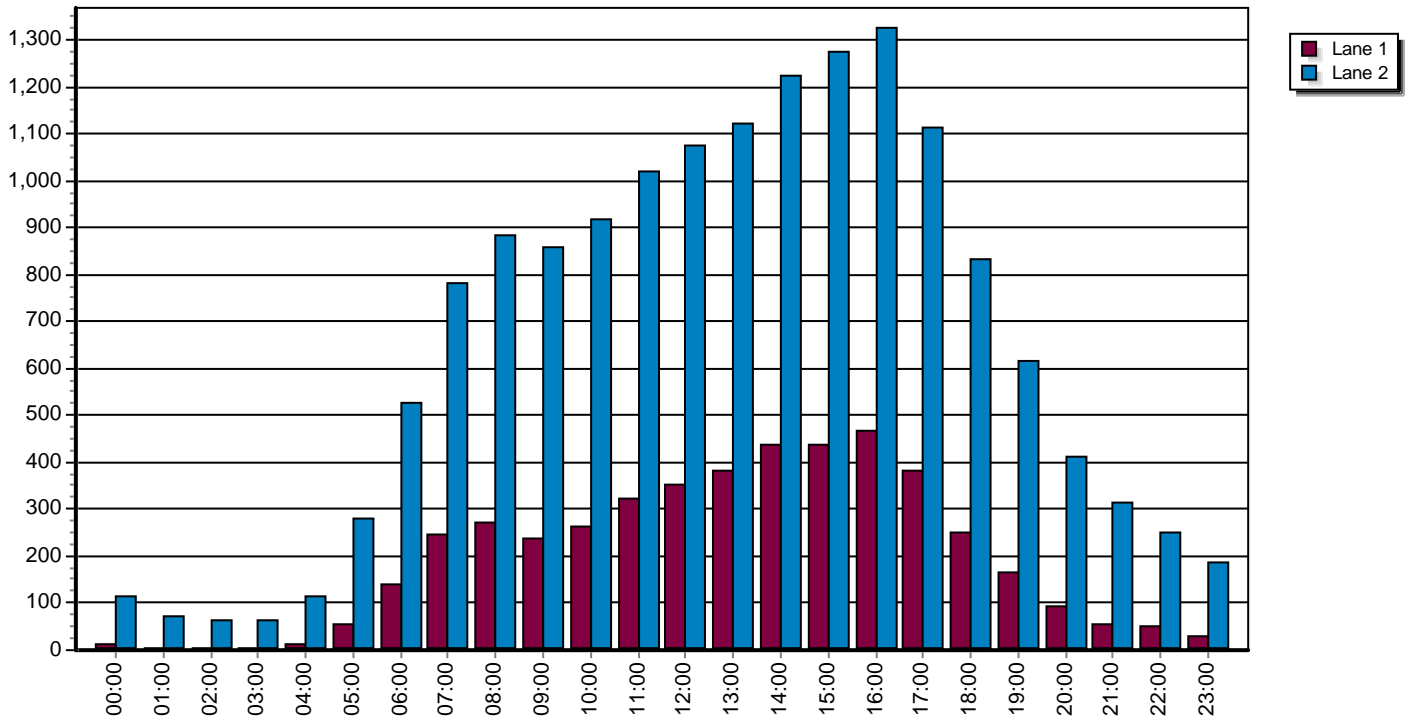
Date	Time	#1	#2	Avg.	Total
03/09/21	00:00	92	810	451	902
Tue	01:00	44	504	274	548
	02:00	32	440	236	472
	03:00	41	450	246	491
	04:00	84	806	445	890
	05:00	378	1954	1166	2332
	06:00	997	3684	2341	4681
	07:00	1716	5463	3590	7179
	08:00	1919	6203	4061	8122
	09:00	1661	6014	3838	7675
	10:00	1833	6431	4132	8264
	11:00	2261	7143	4702	9404
	12:00	2473	7536	5005	10009
	13:00	2677	7854	5266	10531
	14:00	3073	8575	5824	11648
	15:00	3059	8918	5989	11977
	16:00	3273	9280	6277	12553
	17:00	2673	7792	5233	10465
	18:00	1757	5825	3791	7582
	19:00	1172	4311	2742	5483
	20:00	664	2901	1783	3565
	21:00	390	2215	1303	2605
Mon	22:00	343	1757	1050	2100
03/15/21	23:00	208	1294	751	1502
Grand Total :		32820	10816	70496	140980
Percents :		23%	77%		

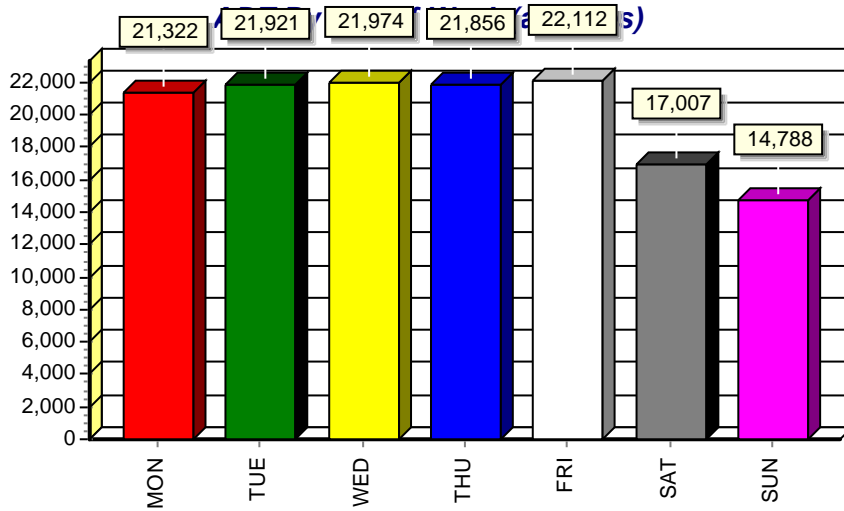
Lane	AM Total	AM Avg.	AM %	Peak AM	Peak %	PM Total	PM Avg.	PM %	Peak PM	Peak %
#1	11058	131.6	33.7%	11:00 = 2261	6.9%	21762	259.1	66.3%	16:00 = 3273	10.0%
#2	39902	475.0	36.9%	11:00 = 7143	6.6%	68258	812.6	63.1%	16:00 = 9280	8.6%
Comb.	50960	606.7	36.1%	11:00 = 9404	6.7%	90020	1071.7	63.9%	16:00 = 12553	8.9%

ADT Volume vs. Time (all lanes combined)



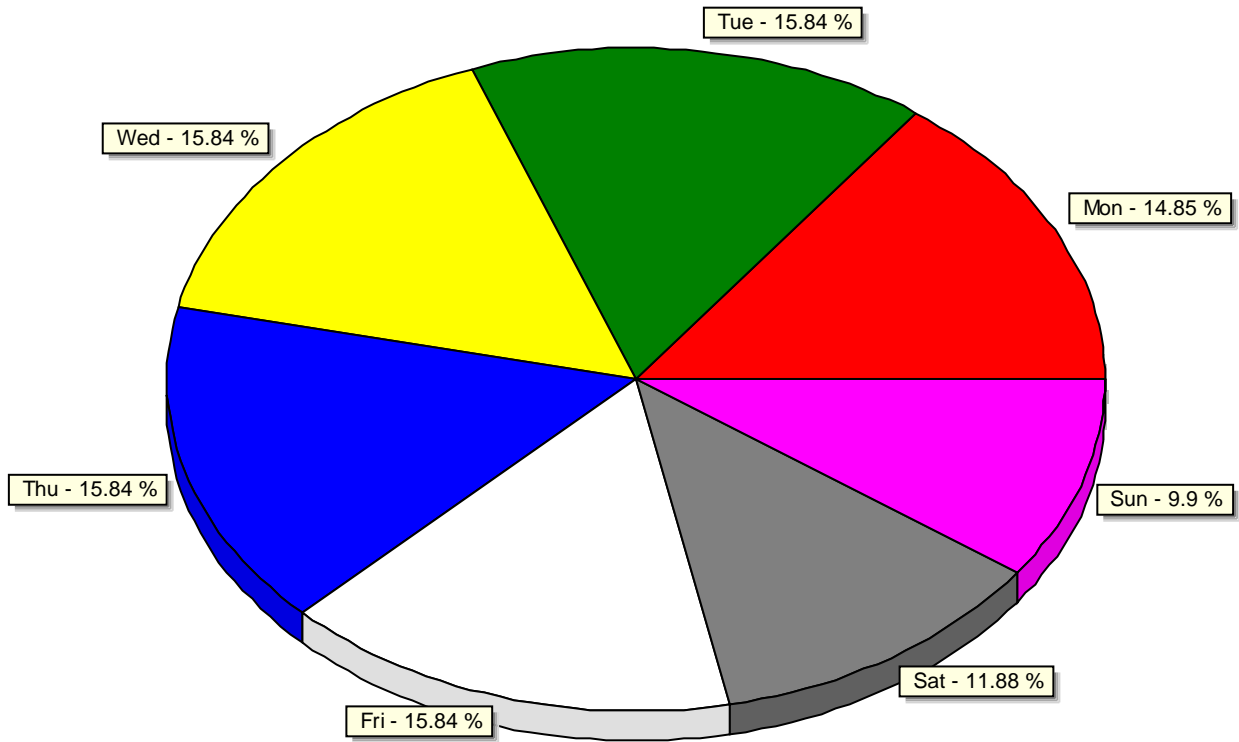
ADT Volume vs. Time (lane comparison)





DAY	ADT	TOTAL	# DAYS
Mon	21322	21322	1.0
Tue	21921	21921	1.0
Wed	21974	21974	1.0
Thu	21856	21856	1.0
Fri	22112	22112	1.0
Sat	17007	17007	1.0
Sun	14788	14788	1.0

Percent of Totals by Day of Week



Basic Speed Classification Report: V21002

Station ID : V21002

Info Line 1 : 7230 Lundy#s Lane

Info Line 2 :

GPS Lat/Lon :

DB File : V21002.DB

Last Connected Device Type : Unic-L

Version Number : 1.63

Serial Number : 32954

Number of Lanes : 2

Posted Speed Limit : 50.0 kph

Lane #1 Configuration

#	Dir.	Information	Vehicle Sensors	Sensor Spacing	Loop Length	Comment
1.	E	EB	Ax-Ax	150 cm	182 cm	

Lane #1 Basic Speed Classification Data From: 00:00 - 03/09/2021 To: 23:59 - 03/15/2021

(STANTEC)		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	Total
Date	Time	0.0 - 9.9	10.0 - 19.9	20.0 - 29.9	30.0 - 39.9	40.0 - 49.9	50.0 - 59.9	60.0 - 69.9	70.0 - 79.9	80.0 - 89.9	90.0 - 99.9	100.0 - 109.9	110.0 - 119.9	120.0 - 129.9	130.0 - 139.9	140.0 - 149.9	Other	Total
03/09/21	00:00	0	0	0	2	8	32	15	0	0	0	0	0	0	0	0	0	57
Tue	01:00	0	0	0	2	10	21	3	1	0	0	0	0	0	0	0	0	37
	02:00	0	0	0	3	9	12	9	0	0	0	0	0	0	0	0	0	33
	03:00	0	0	0	0	6	11	4	0	0	0	0	0	0	0	0	0	21
	04:00	0	0	0	1	2	19	5	2	0	0	0	0	0	0	0	0	29
	05:00	0	0	0	1	15	38	23	1	0	0	0	0	0	0	0	0	78
	06:00	0	0	1	5	33	70	36	1	0	0	0	0	0	0	0	0	146
	07:00	0	0	0	5	53	135	64	6	0	0	0	0	0	0	0	0	263
	08:00	0	0	1	5	76	243	108	8	2	0	0	0	0	0	0	0	443
	09:00	0	2	1	4	76	251	99	6	0	0	0	0	0	0	0	0	439
	10:00	0	0	0	2	99	308	74	6	0	0	0	0	0	0	0	0	489
	11:00	0	0	0	3	122	293	94	6	0	1	0	0	0	0	0	0	519
	12:00	0	0	0	11	150	334	87	7	0	0	0	0	0	0	0	0	589
	13:00	0	0	0	13	186	316	69	13	0	0	0	0	0	0	0	0	597
	14:00	0	1	1	11	200	321	65	2	0	0	0	0	0	0	0	0	601
	15:00	0	0	3	15	164	334	101	10	1	0	0	0	0	0	0	0	628
	16:00	0	0	0	26	163	331	101	3	0	2	0	0	0	0	0	0	626
	17:00	0	0	3	9	140	318	68	8	1	0	0	0	0	0	0	0	547
	18:00	0	0	2	6	170	272	59	8	1	0	0	0	0	0	0	0	518
	19:00	0	0	0	4	117	238	60	4	0	0	0	0	0	0	0	0	423
	20:00	0	0	0	11	76	180	32	3	0	0	0	0	0	0	0	0	302
	21:00	0	0	1	3	45	111	44	2	0	0	0	0	0	0	0	0	206
	22:00	0	0	1	3	35	86	30	4	0	0	0	0	0	0	0	0	159
	23:00	0	0	0	1	26	63	18	2	0	0	0	0	0	0	0	0	110
Daily Total :		0	3	14	146	1981	4337	1268	103	5	3	0	0	0	0	0	0	7860
Percent :		0%	0%	0%	2%	25%	55%	16%	1%	0%	0%	0%	0%	0%	0%	0%	0%	
Average :		0	0	1	6	83	181	53	4	0	0	0	0	0	0	0	0	292

Speeds - Average: 53.9 50% : 54.2 67% : 57.3 85% : 61.8 20kph Pace: 40.1 - 60.0 (80.4%)

(STANTEC)		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	
		0.0 - 9.9	10.0 - 19.9	20.0 - 29.9	30.0 - 39.9	40.0 - 49.9	50.0 - 59.9	60.0 - 69.9	70.0 - 79.9	80.0 - 89.9	90.0 - 99.9	100.0 - 109.9	110.0 - 119.9	120.0 - 129.9	130.0 - 139.9	140.0 - 149.9	Other	Total
03/10/21	00:00	0	0	0	2	12	29	15	1	0	0	0	0	0	0	0	0	59
Wed	01:00	0	0	0	1	9	19	10	2	0	0	0	0	0	0	0	0	41
	02:00	0	0	1	0	5	10	4	0	0	0	0	0	0	0	0	0	20
	03:00	0	0	0	1	2	14	0	0	0	0	0	0	0	0	0	0	17
	04:00	0	0	0	2	1	13	4	1	0	0	0	0	0	0	0	0	21
	05:00	0	0	1	2	8	30	18	1	0	0	0	0	0	0	0	0	60
	06:00	0	1	1	4	42	65	34	4	0	0	0	0	0	0	0	0	151
	07:00	0	0	0	8	33	154	95	8	0	0	0	0	0	0	0	0	298
	08:00	0	0	0	4	67	239	139	11	1	1	0	0	0	0	0	0	462
	09:00	0	0	0	3	78	245	98	7	0	0	0	0	0	0	0	0	431
	10:00	0	0	1	6	104	331	85	3	1	0	0	0	0	0	0	0	531
	11:00	0	0	1	19	141	318	74	4	1	0	0	0	0	0	0	0	558
	12:00	0	0	1	25	181	297	73	8	1	0	0	0	0	0	0	0	586
	13:00	0	0	1	6	176	314	63	6	1	0	0	0	0	0	0	0	567
	14:00	0	0	1	14	207	311	93	8	0	0	0	0	0	0	0	0	634
	15:00	1	1	0	9	212	319	51	5	0	0	0	0	0	0	0	0	598
	16:00	0	0	1	17	220	299	67	9	1	0	0	0	0	0	0	0	614
	17:00	0	0	1	15	181	307	59	3	0	0	0	0	0	0	0	0	566
	18:00	0	0	1	15	171	263	55	7	1	0	0	0	0	0	0	0	513
	19:00	0	0	2	13	99	209	65	3	0	0	0	0	0	0	0	0	391
	20:00	0	1	2	14	92	166	31	4	0	0	0	0	0	0	0	0	310
	21:00	0	0	1	4	55	115	37	7	1	1	0	0	0	0	0	0	221
	22:00	0	0	0	3	23	111	19	3	0	0	0	0	0	0	0	0	159
	23:00	0	0	0	3	15	68	28	2	0	1	0	0	0	0	0	0	117
Daily Total :		1	3	16	190	2134	4246	1217	107	8	3	0	0	0	0	0	0	7925
Percent :		0%	0%	0%	2%	27%	54%	15%	1%	0%	0%	0%	0%	0%	0%	0%	0%	
Average :		0	0	1	8	89	177	51	4	0	0	0	0	0	0	0	0	328

Speeds - Average: 53.5	50% : 53.9	67% : 57.1	85% : 61.4	20kph Pace: 40.1 - 60.0 (80.5%)
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(STANTEC)		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	
		0.0 - 9.9	10.0 - 19.9	20.0 - 29.9	30.0 - 39.9	40.0 - 49.9	50.0 - 59.9	60.0 - 69.9	70.0 - 79.9	80.0 - 89.9	90.0 - 99.9	100.0 - 109.9	110.0 - 119.9	120.0 - 129.9	130.0 - 139.9	140.0 - 149.9	Other	Total
03/11/21	00:00	0	0	1	1	14	26	9	1	0	1	0	0	0	0	0	0	53
Thu	01:00	1	0	2	0	5	21	3	1	0	0	0	0	0	0	0	0	33
	02:00	0	0	0	0	6	11	6	1	0	0	0	0	0	0	0	0	24
	03:00	0	0	0	1	3	12	10	1	0	0	0	0	0	0	0	0	27
	04:00	0	0	0	0	2	9	3	3	1	1	0	0	0	0	0	0	19
	05:00	0	0	0	0	9	24	21	1	1	0	0	0	0	0	0	0	56
	06:00	0	0	0	10	25	71	28	4	1	0	0	0	0	0	0	0	139
	07:00	0	0	0	7	97	111	22	3	0	0	0	0	0	0	0	0	240
	08:00	0	0	0	4	145	218	48	2	0	0	0	0	0	0	0	0	417
	09:00	0	0	0	7	77	234	80	8	0	0	0	0	0	0	0	0	406
	10:00	0	0	0	10	136	257	63	3	1	0	0	0	0	0	0	0	470
	11:00	0	1	1	25	187	236	33	6	0	0	0	0	0	0	0	0	489
	12:00	0	0	4	23	231	246	36	2	0	0	0	0	0	0	0	0	542
	13:00	0	0	1	10	200	253	57	4	0	0	0	0	0	0	0	0	525
	14:00	0	0	1	16	206	272	68	4	0	0	0	0	0	0	0	0	567
	15:00	0	0	0	16	188	323	80	6	1	0	0	0	0	0	0	0	614
	16:00	0	0	3	13	175	282	44	5	0	0	0	0	0	0	0	0	522
	17:00	0	0	0	24	187	271	76	8	1	0	0	0	0	0	0	0	567
	18:00	0	0	1	17	178	244	46	3	1	0	0	0	0	0	0	0	490
	19:00	0	1	0	10	124	226	63	5	1	0	0	0	0	0	0	0	430
	20:00	0	0	0	6	101	145	43	5	0	0	0	0	0	0	0	0	300
	21:00	0	0	0	2	53	113	29	3	1	0	0	0	0	0	0	0	201
	22:00	0	1	0	4	27	96	30	2	1	0	0	0	0	0	0	0	161
	23:00	0	0	0	5	27	70	25	0	0	0	0	0	0	0	0	0	127
Daily Total :		1	3	14	211	2403	3771	923	81	10	2	0	0	0	0	0	0	7419
Percent :		0%	0%	0%	3%	32%	51%	12%	1%	0%	0%	0%	0%	0%	0%	0%	0%	
Average :		0	0	1	9	100	157	38	3	0	0	0	0	0	0	0	0	330

Speeds - Average: 52.6	50% : 53.0	67% : 56.3	85% : 59.8	20kph Pace: 40.1 - 60.0 (83.2%)
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(STANTEC)		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	
		0.0 - 9.9	10.0 - 19.9	20.0 - 29.9	30.0 - 39.9	40.0 - 49.9	50.0 - 59.9	60.0 - 69.9	70.0 - 79.9	80.0 - 89.9	90.0 - 99.9	100.0 - 109.9	110.0 - 119.9	120.0 - 129.9	130.0 - 139.9	140.0 - 149.9	Other	Total
03/12/21	00:00	0	0	0	2	13	35	10	0	0	0	0	0	0	0	0	0	60
Fri	01:00	0	0	0	3	5	23	6	0	0	0	0	0	0	0	0	0	37
	02:00	0	0	0	1	6	11	12	2	0	0	0	0	0	0	0	0	32
	03:00	0	0	0	3	6	19	5	1	0	0	0	0	0	0	0	0	34
	04:00	0	0	0	1	5	15	9	0	0	0	0	0	0	0	0	0	30
	05:00	0	0	0	1	12	33	18	1	0	0	0	0	0	0	0	0	65
	06:00	0	0	1	2	35	58	27	5	0	0	0	0	0	0	0	0	128
	07:00	0	0	0	2	40	164	99	7	0	0	0	0	0	0	0	0	312
	08:00	0	0	0	7	62	236	135	10	0	0	0	0	0	0	0	0	450
	09:00	0	0	0	1	67	273	107	8	0	0	0	0	0	0	0	0	456
	10:00	0	1	0	4	109	309	80	10	3	0	1	0	0	0	0	0	517
	11:00	0	0	0	12	146	278	98	7	2	0	0	0	0	0	0	0	543
	12:00	0	0	2	18	139	339	96	9	3	0	0	0	0	0	0	0	606
	13:00	0	0	0	8	175	349	111	9	0	0	1	0	0	0	0	0	653
	14:00	0	0	1	5	169	402	100	7	0	1	0	0	0	0	0	0	685
	15:00	0	0	2	29	267	264	52	6	0	0	0	0	0	0	0	0	620
	16:00	0	0	0	7	223	322	56	5	1	0	0	0	0	0	0	0	614
	17:00	0	0	0	13	224	324	83	2	0	0	0	0	0	0	0	0	646
	18:00	0	1	1	30	218	259	51	2	0	0	0	0	0	0	0	0	562
	19:00	0	0	0	9	145	285	50	3	1	0	0	0	0	0	0	0	493
	20:00	0	0	0	5	101	215	44	4	1	0	0	0	0	0	0	0	370
	21:00	0	0	1	5	72	168	38	2	0	0	0	0	0	0	0	0	286
	22:00	0	0	1	8	48	109	38	1	0	0	0	0	0	0	0	0	205
	23:00	0	0	0	2	34	93	28	5	0	0	0	0	0	0	0	0	162
Daily Total :		0	2	9	178	2321	4583	1353	106	11	1	2	0	0	0	0	0	8566
Percent :		0%	0%	0%	2%	27%	54%	16%	1%	0%	0%	0%	0%	0%	0%	0%	0%	
Average :		0	0	0	7	97	191	56	4	0	0	0	0	0	0	0	0	308

Speeds - Average: 53.7	50% : 54.0	67% : 57.1	85% : 61.6	20kph Pace: 40.1 - 60.0 (80.6%)
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(STANTEC)		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	
Date	Time	0.0 - 9.9	10.0 - 19.9	20.0 - 29.9	30.0 - 39.9	40.0 - 49.9	50.0 - 59.9	60.0 - 69.9	70.0 - 79.9	80.0 - 89.9	90.0 - 99.9	100.0 - 109.9	110.0 - 119.9	120.0 - 129.9	130.0 - 139.9	140.0 - 149.9	Other	Total
03/13/21	00:00	0	0	1	3	19	54	13	3	0	0	0	0	0	0	0	0	93
Sat	01:00	0	0	0	2	14	28	19	2	0	0	0	0	0	0	0	0	65
	02:00	0	0	1	3	4	14	7	0	0	0	0	0	0	0	0	0	29
	03:00	0	0	0	1	5	13	5	0	1	0	0	0	0	0	0	0	25
	04:00	0	0	0	0	2	10	9	1	0	0	0	0	0	0	0	0	22
	05:00	0	0	1	1	10	40	13	3	0	0	0	0	0	0	0	0	68
	06:00	0	0	1	4	21	39	25	1	0	0	0	0	0	0	0	0	91
	07:00	0	0	0	4	70	75	20	3	0	0	0	0	0	0	0	0	172
	08:00	0	0	1	3	35	165	88	4	0	0	0	0	0	0	0	0	296
	09:00	0	0	0	4	67	224	89	8	0	0	0	0	0	0	0	0	392
	10:00	0	0	1	2	105	275	95	5	1	0	0	0	0	0	0	0	484
	11:00	0	0	3	14	114	388	94	8	1	0	0	0	0	0	0	0	622
	12:00	0	0	2	7	196	368	97	11	0	0	0	0	0	0	0	0	681
	13:00	0	0	0	24	259	370	81	2	0	0	0	0	0	0	0	0	736
	14:00	0	0	2	29	246	356	73	2	0	0	0	0	0	0	0	0	708
	15:00	0	0	0	13	231	359	69	7	1	0	0	0	0	0	0	0	680
	16:00	0	0	0	12	202	410	83	12	2	0	0	0	0	0	0	0	721
	17:00	0	0	2	13	239	330	74	7	0	0	0	0	0	0	0	0	665
	18:00	0	0	0	43	234	257	39	3	1	0	0	0	0	0	0	0	577
	19:00	0	0	2	21	157	242	61	6	2	0	0	0	0	0	0	0	491
	20:00	0	0	0	5	114	203	61	3	0	0	0	0	0	0	0	0	386
	21:00	0	0	4	6	81	163	42	0	0	0	0	0	0	0	0	0	296
	22:00	0	0	1	0	53	111	35	3	0	0	0	0	0	0	0	0	203
	23:00	0	0	0	2	38	78	31	3	0	0	0	0	0	0	0	0	152
Daily Total :		0	0	22	216	2516	4572	1223	97	9	0	0	0	0	0	0	0	8655
Percent :		0%	0%	0%	2%	29%	53%	14%	1%	0%	0%	0%	0%	0%	0%	0%	0%	
Average :		0	0	1	9	105	191	51	4	0	0	0	0	0	0	0	0	355
Speeds - Average: 53.1 50% : 53.6 67% : 56.7 85% : 60.4 20kph Pace: 40.1 - 60.0 (81.9%)																		

(STANTEC)		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	
		0.0 - 9.9	10.0 - 19.9	20.0 - 29.9	30.0 - 39.9	40.0 - 49.9	50.0 - 59.9	60.0 - 69.9	70.0 - 79.9	80.0 - 89.9	90.0 - 99.9	100.0 - 109.9	110.0 - 119.9	120.0 - 129.9	130.0 - 139.9	140.0 - 149.9	Other	Total
03/14/21	00:00	0	0	0	3	14	59	15	5	0	0	0	0	0	0	0	0	96
Sun	01:00	0	0	0	4	17	32	11	1	0	0	0	0	0	0	0	0	65
	02:00	0	0	1	0	10	16	9	1	0	0	0	0	0	0	0	0	37
	03:00	0	0	0	0	6	18	5	2	0	0	0	0	0	0	0	0	31
	04:00	0	0	0	1	9	13	11	1	1	0	0	0	0	0	0	0	36
	05:00	0	0	0	4	16	25	15	1	1	0	0	0	0	0	0	0	62
	06:00	0	0	0	3	60	38	8	1	0	0	0	0	0	0	0	0	110
	07:00	0	0	0	2	21	90	55	6	0	0	0	0	0	0	0	0	174
	08:00	0	0	1	3	32	155	78	10	1	0	0	0	0	0	0	0	280
	09:00	0	0	1	5	92	163	60	4	0	0	0	0	0	0	0	0	325
	10:00	0	0	0	5	130	237	68	10	0	0	0	0	0	0	0	0	450
	11:00	0	0	0	14	134	324	79	14	0	0	0	0	0	0	0	0	565
	12:00	0	0	1	9	203	348	80	9	0	0	0	0	0	0	0	0	650
	13:00	0	0	1	12	198	358	89	5	1	0	0	0	0	0	0	0	664
	14:00	0	0	0	9	184	304	87	8	0	0	0	0	0	0	0	0	592
	15:00	0	0	1	7	121	319	91	9	0	0	1	0	0	0	0	0	549
	16:00	0	0	2	6	122	312	87	5	1	0	1	0	0	0	0	0	536
	17:00	0	0	0	4	139	241	80	9	0	0	0	0	0	0	0	0	473
	18:00	0	0	1	13	141	186	48	5	1	0	0	0	0	0	0	0	395
	19:00	0	0	0	11	114	152	47	1	0	0	0	0	0	0	0	0	325
	20:00	0	0	0	10	60	125	38	3	1	0	0	0	0	0	0	0	237
	21:00	0	0	2	8	33	104	41	3	0	0	0	0	0	0	0	0	191
	22:00	0	1	0	2	26	62	11	4	0	0	0	0	0	0	0	0	106
	23:00	0	0	1	2	9	34	12	2	1	0	0	0	0	0	0	0	61
Daily Total :		0	1	12	137	1891	3715	1125	119	8	0	2	0	0	0	0	0	7010
Percent :		0%	0%	0%	2%	27%	53%	16%	2%	0%	0%	0%	0%	0%	0%	0%	0%	
Average :		0	0	1	6	79	155	47	5	0	0	0	0	0	0	0	0	361

Speeds - Average: 53.8	50% : 54.1	67% : 57.2	85% : 62.0	20kph Pace: 40.1 - 60.0 (80.0%)
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(STANTEC)		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	
		0.0 - 9.9	10.0 - 19.9	20.0 - 29.9	30.0 - 39.9	40.0 - 49.9	50.0 - 59.9	60.0 - 69.9	70.0 - 79.9	80.0 - 89.9	90.0 - 99.9	100.0 - 109.9	110.0 - 119.9	120.0 - 129.9	130.0 - 139.9	140.0 - 149.9	Other	Total
03/15/21	00:00	0	0	0	1	10	19	8	1	0	0	0	0	0	0	0	0	39
Mon	01:00	0	0	0	2	1	14	6	1	0	0	0	0	0	0	0	0	24
	02:00	0	0	0	1	2	8	7	2	1	0	0	0	0	0	0	0	21
	03:00	0	0	1	0	4	11	10	1	0	0	0	0	0	0	0	0	27
	04:00	0	0	0	1	10	34	19	2	1	0	0	0	0	0	0	0	67
	05:00	0	0	1	2	41	59	32	6	0	0	0	0	0	0	0	0	141
	06:00	0	0	2	6	104	106	21	2	0	0	0	0	0	0	0	0	241
	07:00	0	0	1	2	59	236	122	5	1	0	0	0	0	0	0	0	426
	08:00	0	0	0	3	56	242	82	7	0	0	0	0	0	0	0	0	390
	09:00	0	0	1	5	113	278	58	6	0	0	0	0	0	0	0	0	461
	10:00	0	0	1	0	84	295	95	10	2	0	0	0	0	0	0	0	487
	11:00	0	0	1	3	138	276	93	6	1	0	0	0	0	0	0	0	518
	12:00	1	0	0	8	138	300	94	8	2	0	0	0	0	0	0	0	551
	13:00	0	0	3	8	139	341	96	5	1	0	0	0	0	0	0	0	593
	14:00	0	0	0	12	126	384	112	16	0	0	0	0	0	0	0	0	650
	15:00	0	0	1	8	144	317	117	11	0	0	0	0	0	0	0	0	598
	16:00	0	0	0	5	111	295	131	8	1	0	0	0	0	0	0	0	551
	17:00	0	0	1	8	121	245	87	9	1	0	1	0	0	0	0	0	473
	18:00	0	0	1	7	130	213	49	4	0	0	0	0	0	0	0	0	404
	19:00	0	0	0	7	66	144	60	2	0	0	0	0	0	0	0	0	279
	20:00	0	0	2	5	54	96	35	4	0	0	0	0	0	0	0	0	196
	21:00	0	0	0	4	36	93	34	2	0	0	0	0	0	0	0	0	169
	22:00	0	0	0	5	27	68	18	0	0	0	0	0	0	0	0	0	118
	23:00	0	0	0	2	14	34	9	1	0	0	0	0	0	0	0	0	60
Daily Total :		1	0	16	105	1728	4108	1395	119	11	0	1	0	0	0	0	0	7484
Percent :		0%	0%	0%	1%	23%	55%	19%	2%	0%	0%	0%	0%	0%	0%	0%	0%	
Average :		0	0	1	4	72	171	58	5	0	0	0	0	0	0	0	0	293

Speeds - Average: 54.5	50% : 54.7	67% : 57.7	85% : 63.0	20kph Pace: 40.1 - 60.0 (78.0%)
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Lane #2 Configuration

#	Dir.	Information	Vehicle Sensors	Sensor Spacing	Loop Length	Comment
2.	W	WB	Ax-Ax	150 cm	182 cm	

Lane #2 Basic Speed Classification Data From: 00:00 - 03/09/2021 To: 23:59 - 03/15/2021

(STANTEC)		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	
		0.0 - 9.9	10.0 - 19.9	20.0 - 29.9	30.0 - 39.9	40.0 - 49.9	50.0 - 59.9	60.0 - 69.9	70.0 - 79.9	80.0 - 89.9	90.0 - 99.9	100.0 - 109.9	110.0 - 119.9	120.0 - 129.9	130.0 - 139.9	140.0 - 149.9	Other	Total
03/09/21	00:00	0	0	1	1	19	40	15	3	0	0	0	0	0	0	0	0	79
Tue	01:00	0	0	0	0	12	16	5	2	0	0	0	0	0	0	0	0	35
	02:00	0	0	0	1	8	21	5	1	0	0	0	0	0	0	0	0	36
	03:00	0	0	0	0	5	10	5	1	0	0	0	0	0	0	0	0	21
	04:00	0	0	0	0	9	7	4	2	0	0	0	0	0	0	0	0	22
	05:00	0	0	0	0	8	28	17	2	0	0	0	0	0	0	0	0	55
	06:00	0	0	5	16	43	62	18	7	0	0	0	0	0	0	0	1	152
	07:00	0	0	3	17	59	102	33	1	0	0	0	0	0	0	0	0	215
	08:00	0	0	0	15	49	148	57	2	0	0	0	0	0	0	0	0	271
	09:00	0	0	1	11	109	205	47	4	0	0	0	0	0	0	0	0	377
	10:00	1	1	2	14	130	220	53	9	0	1	0	0	0	0	0	0	431
	11:00	2	0	6	20	124	229	68	5	2	1	0	0	0	0	0	0	457
	12:00	0	4	11	37	177	248	68	9	2	1	2	0	0	0	0	0	559
	13:00	1	2	8	22	142	261	91	3	4	2	0	0	0	0	0	1	537
	14:00	1	2	14	30	149	267	68	9	0	1	0	0	0	0	0	0	541
	15:00	4	4	15	41	159	234	82	4	2	0	0	2	0	0	0	0	547
	16:00	0	3	14	37	129	251	93	9	2	0	0	0	1	0	0	0	539
	17:00	0	3	9	25	136	235	96	9	0	1	0	0	0	0	0	0	514
	18:00	0	2	4	31	182	220	47	5	0	0	0	0	0	0	0	0	491
	19:00	1	3	5	13	128	218	58	2	2	1	0	0	0	0	0	0	431
	20:00	1	0	1	13	82	155	49	4	1	2	0	0	0	0	0	0	308
	21:00	0	0	3	11	51	109	29	2	0	0	0	0	0	0	0	0	205
	22:00	0	0	2	6	32	73	29	3	1	0	0	0	0	0	0	0	146
	23:00	0	0	0	8	32	82	27	1	1	0	0	0	0	0	0	0	151
Daily Total :		11	24	104	369	1974	3441	1064	99	17	10	2	2	1	0	0	2	7120
Percent :		0%	0%	1%	5%	28%	48%	15%	1%	0%	0%	0%	0%	0%	0%	0%	0%	
Average :		0	1	4	15	82	143	44	4	1	0	0	0	0	0	0	0	311

Speeds - Average: 52.4 50% : 53.3 67% : 56.7 85% : 61.4 20kph Pace: 40.1 - 60.0 (76.1%)

(STANTEC)		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	
		0.0 - 9.9	10.0 - 19.9	20.0 - 29.9	30.0 - 39.9	40.0 - 49.9	50.0 - 59.9	60.0 - 69.9	70.0 - 79.9	80.0 - 89.9	90.0 - 99.9	100.0 - 109.9	110.0 - 119.9	120.0 - 129.9	130.0 - 139.9	140.0 - 149.9	Other	Total
03/10/21	00:00	0	0	0	2	17	24	15	1	0	0	0	0	0	0	0	0	59
Wed	01:00	0	0	0	2	14	26	6	0	0	0	0	0	0	0	0	0	48
	02:00	0	0	1	2	3	25	1	3	0	0	0	0	0	0	0	0	35
	03:00	0	0	1	1	5	5	3	1	0	0	0	0	0	0	0	0	16
	04:00	0	0	0	0	2	12	2	1	0	0	0	0	0	0	0	0	17
	05:00	0	0	0	3	10	38	16	2	0	0	0	0	0	0	0	0	69
	06:00	0	1	5	13	40	68	18	5	1	0	0	0	0	0	0	0	151
	07:00	0	0	1	5	33	111	62	3	1	0	0	0	0	0	0	0	216
	08:00	0	1	3	8	54	155	46	3	0	0	0	0	0	0	0	0	270
	09:00	1	0	1	11	99	194	71	2	1	0	0	0	0	0	0	0	380
	10:00	1	1	1	14	110	257	63	4	2	0	0	0	0	0	0	0	453
	11:00	0	8	10	33	143	226	54	6	3	0	0	0	0	0	0	0	483
	12:00	1	3	12	21	144	258	68	2	1	1	0	0	0	0	0	0	511
	13:00	3	4	16	31	164	241	61	4	2	2	0	0	0	0	0	0	528
	14:00	6	5	8	34	148	262	62	5	0	1	1	0	0	0	0	0	532
	15:00	3	2	5	24	236	253	85	6	4	0	0	0	0	0	0	0	618
	16:00	2	7	10	56	176	238	53	7	0	0	0	0	0	0	0	0	549
	17:00	1	1	9	49	195	232	53	3	1	1	0	0	0	0	0	0	545
	18:00	2	7	9	38	172	209	40	3	0	1	0	0	1	0	0	0	482
	19:00	1	0	4	23	109	197	48	4	1	0	1	1	0	0	0	0	389
	20:00	0	2	2	13	82	155	32	5	0	0	0	0	0	0	0	0	291
	21:00	0	3	3	6	53	132	37	3	0	0	0	0	0	0	0	0	237
	22:00	0	0	0	5	42	101	36	3	4	0	0	0	0	0	0	0	191
	23:00	0	0	1	3	27	72	30	3	0	0	0	0	0	0	0	0	136
Daily Total :		21	45	102	397	2078	3491	962	79	21	6	2	1	1	0	0	0	7206
Percent :		0%	1%	1%	6%	29%	48%	13%	1%	0%	0%	0%	0%	0%	0%	0%	0%	
Average :		1	2	4	17	87	145	40	3	1	0	0	0	0	0	0	0	294
Speeds - Average: 51.9 50% : 52.9 67% : 56.3 85% : 60.0 20kph Pace: 40.1 - 60.0 (77.3%)																		

(STANTEC)		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	
		0.0 - 9.9	10.0 - 19.9	20.0 - 29.9	30.0 - 39.9	40.0 - 49.9	50.0 - 59.9	60.0 - 69.9	70.0 - 79.9	80.0 - 89.9	90.0 - 99.9	100.0 - 109.9	110.0 - 119.9	120.0 - 129.9	130.0 - 139.9	140.0 - 149.9	Other	Total
03/11/21	00:00	1	0	0	0	18	31	6	1	0	0	0	0	0	0	0	0	57
Thu	01:00	0	0	1	1	13	17	10	0	1	0	0	0	0	0	0	0	43
	02:00	0	0	0	0	7	15	6	0	0	0	0	0	0	0	0	0	28
	03:00	0	0	0	1	4	10	2	0	0	0	0	0	0	0	0	0	17
	04:00	0	0	0	0	4	12	7	0	0	0	0	0	0	0	0	0	23
	05:00	0	0	0	1	14	40	16	2	0	0	0	0	0	0	0	0	73
	06:00	0	0	3	24	45	49	17	5	0	0	0	0	0	0	0	0	143
	07:00	0	0	5	40	97	52	5	0	0	0	0	0	0	0	0	0	199
	08:00	0	0	0	30	111	121	24	5	1	1	0	0	0	0	0	0	293
	09:00	0	0	3	14	110	206	44	4	1	0	0	0	0	0	0	0	382
	10:00	1	0	4	26	106	218	53	2	0	0	0	0	0	0	0	0	410
	11:00	1	2	4	59	164	193	37	1	1	0	0	0	0	0	0	0	462
	12:00	1	3	9	70	225	166	25	5	2	1	2	0	0	0	0	0	509
	13:00	1	0	5	40	180	220	42	4	1	0	0	0	0	0	0	0	493
	14:00	4	6	6	29	232	195	51	6	5	0	0	0	0	0	0	0	534
	15:00	4	3	3	42	201	223	69	13	3	1	0	0	0	0	0	0	562
	16:00	1	2	10	50	225	204	42	4	1	1	1	0	0	0	0	0	541
	17:00	2	0	8	46	191	212	45	6	0	0	0	0	0	0	0	0	510
	18:00	0	2	10	64	170	188	32	8	4	0	0	0	0	0	0	0	478
	19:00	0	3	3	30	125	198	50	2	3	3	0	0	0	0	0	0	417
	20:00	0	2	5	20	110	143	43	2	1	0	0	0	0	0	0	0	326
	21:00	0	0	3	5	69	106	31	0	0	0	0	0	0	0	0	0	214
	22:00	0	0	1	12	43	94	32	4	0	0	0	0	0	0	0	0	186
	23:00	0	0	0	6	27	69	22	3	0	0	0	0	0	0	0	0	127
Daily Total :		16	23	83	610	2491	2982	711	77	24	7	3	0	0	0	0	0	7027
Percent :		0%	0%	1%	9%	35%	42%	10%	1%	0%	0%	0%	0%	0%	0%	0%	0%	
Average :		1	1	3	25	104	124	30	3	1	0	0	0	0	0	0	0	300
Speeds - Average: 50.5 50% : 51.1 67% : 55.1 85% : 59.3 20kph Pace: 40.1 - 60.0 (77.9%)																		

(STANTEC)		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	
		0.0 - 9.9	10.0 - 19.9	20.0 - 29.9	30.0 - 39.9	40.0 - 49.9	50.0 - 59.9	60.0 - 69.9	70.0 - 79.9	80.0 - 89.9	90.0 - 99.9	100.0 - 109.9	110.0 - 119.9	120.0 - 129.9	130.0 - 139.9	140.0 - 149.9	Other	Total
03/12/21	00:00	0	0	0	1	23	55	14	0	0	0	0	0	0	0	0	0	93
Fri	01:00	0	0	0	1	12	23	5	0	0	0	0	0	0	0	0	0	41
	02:00	0	0	0	1	7	17	4	1	0	0	0	0	0	0	0	0	30
	03:00	0	0	0	1	4	13	7	0	0	0	0	0	0	0	0	0	25
	04:00	0	0	0	0	8	8	5	1	0	0	0	0	0	0	0	0	22
	05:00	0	0	0	2	16	36	11	0	0	0	0	0	0	0	0	0	65
	06:00	0	0	3	8	41	56	31	1	0	0	0	0	0	0	0	0	140
	07:00	0	0	1	7	59	125	41	7	0	0	0	0	0	0	0	0	240
	08:00	0	0	1	12	47	156	58	7	4	0	0	0	0	0	0	0	285
	09:00	0	1	5	22	108	186	54	6	1	0	0	0	0	0	0	0	383
	10:00	1	4	2	17	144	249	65	1	5	1	0	0	0	0	0	0	489
	11:00	2	2	6	35	156	221	71	4	0	1	0	0	0	0	0	0	498
	12:00	1	4	12	43	171	245	61	4	3	0	0	0	0	0	0	0	544
	13:00	3	1	4	24	168	297	76	8	0	0	0	0	0	0	0	0	581
	14:00	3	4	4	29	204	273	64	7	1	2	0	0	0	0	0	0	591
	15:00	5	4	4	62	183	230	49	4	3	3	1	0	0	0	0	0	548
	16:00	1	2	4	47	225	257	64	7	2	1	0	0	0	0	0	0	610
	17:00	1	5	6	27	138	284	67	4	2	2	0	0	0	0	0	1	537
	18:00	2	0	10	66	199	176	42	9	2	2	1	1	0	0	0	0	510
	19:00	2	1	9	54	147	165	48	4	0	1	0	0	0	1	0	0	432
	20:00	0	2	3	10	122	183	39	8	1	1	0	0	0	0	0	0	369
	21:00	0	0	0	21	84	167	43	7	1	1	0	0	0	0	0	0	324
	22:00	0	0	0	6	52	125	39	0	0	1	1	0	0	0	0	0	224
	23:00	0	2	1	6	37	106	22	2	0	0	0	0	0	0	0	0	176
Daily Total :		21	32	75	502	2355	3653	980	92	25	16	3	1	0	1	0	1	7757
Percent :		0%	0%	1%	6%	30%	47%	13%	1%	0%	0%	0%	0%	0%	0%	0%	0%	
Average :		1	1	3	21	98	152	41	4	1	1	0	0	0	0	0	0	292

Speeds - Average: 51.7	50% : 52.6	67% : 56.1	85% : 59.9	20kph Pace: 40.1 - 60.0 (77.5%)
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(STANTEC)		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	
		0.0 - 9.9	10.0 - 19.9	20.0 - 29.9	30.0 - 39.9	40.0 - 49.9	50.0 - 59.9	60.0 - 69.9	70.0 - 79.9	80.0 - 89.9	90.0 - 99.9	100.0 - 109.9	110.0 - 119.9	120.0 - 129.9	130.0 - 139.9	140.0 - 149.9	Other	Total
03/13/21	00:00	0	0	0	1	30	48	27	1	0	0	0	0	0	0	0	0	107
Sat	01:00	0	0	0	2	19	33	15	1	0	0	0	0	0	0	0	0	70
	02:00	0	1	1	1	11	17	7	1	0	0	0	0	0	0	0	0	39
	03:00	0	0	0	0	3	17	6	1	1	0	0	0	0	0	0	0	28
	04:00	0	0	0	1	3	7	4	0	0	0	0	0	0	0	0	0	15
	05:00	0	0	0	1	20	19	10	2	0	0	0	0	0	0	0	0	52
	06:00	0	0	3	9	25	30	10	1	0	0	0	0	0	0	0	0	78
	07:00	0	0	3	15	57	57	10	3	0	0	0	0	0	0	0	0	145
	08:00	0	0	1	8	43	135	37	3	0	0	0	0	0	0	0	0	227
	09:00	0	0	1	7	92	216	59	6	0	0	0	0	0	0	0	0	381
	10:00	0	0	1	21	121	258	69	1	1	0	0	0	0	0	0	0	472
	11:00	2	2	7	18	157	277	60	5	0	2	0	0	0	0	0	1	531
	12:00	2	3	9	34	165	258	72	6	2	0	0	0	0	0	0	1	552
	13:00	2	2	3	35	165	257	79	6	0	0	0	0	0	0	0	0	549
	14:00	2	8	11	34	206	264	83	5	1	1	0	0	0	0	0	0	615
	15:00	2	3	10	53	190	268	61	5	2	1	1	0	1	0	0	0	597
	16:00	1	4	5	22	158	253	69	7	1	0	0	0	1	0	0	0	521
	17:00	2	9	17	55	162	252	60	4	4	0	0	0	0	0	0	0	565
	18:00	3	7	13	67	220	161	36	3	1	0	0	0	1	0	0	0	512
	19:00	1	2	5	45	199	176	53	3	3	0	2	0	0	0	0	0	489
	20:00	0	1	5	27	112	173	56	0	2	1	0	1	1	0	0	0	379
	21:00	1	1	2	17	81	148	33	1	0	0	0	0	0	0	0	0	284
	22:00	0	0	2	5	66	130	28	3	1	0	0	0	0	0	0	0	235
	23:00	0	0	0	2	40	113	22	0	0	0	0	0	0	0	0	0	177
Daily Total :		18	43	99	480	2345	3567	966	68	19	5	3	1	4	0	0	2	7620
Percent :		0%	1%	1%	6%	31%	47%	13%	1%	0%	0%	0%	0%	0%	0%	0%	0%	
Average :		1	2	4	20	98	149	40	3	1	0	0	0	0	0	0	0	323
Speeds - Average: 51.5 50% : 52.4 67% : 56.0 85% : 59.8 20kph Pace: 40.1 - 60.0 (77.6%)																		

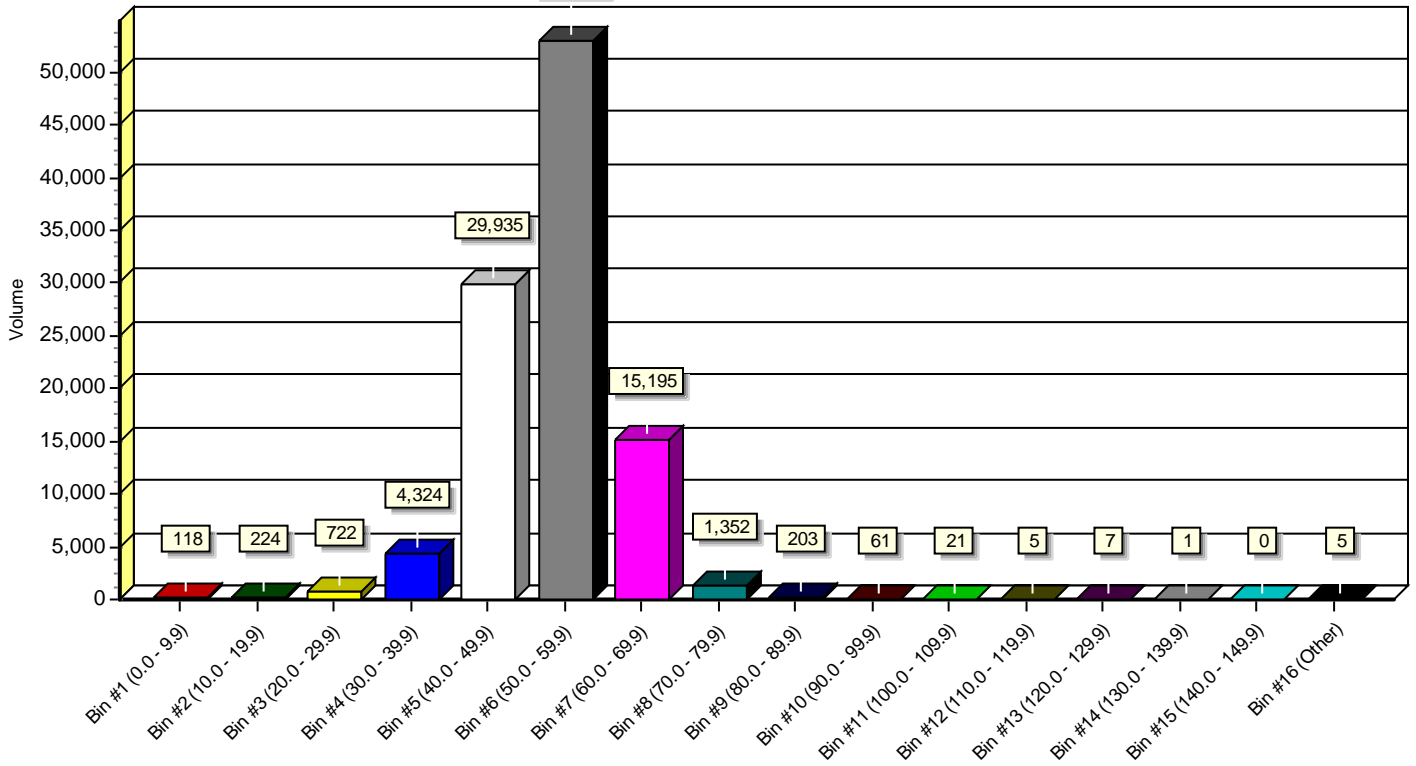
(STANTEC)		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	
		0.0 - 9.9	10.0 - 19.9	20.0 - 29.9	30.0 - 39.9	40.0 - 49.9	50.0 - 59.9	60.0 - 69.9	70.0 - 79.9	80.0 - 89.9	90.0 - 99.9	100.0 - 109.9	110.0 - 119.9	120.0 - 129.9	130.0 - 139.9	140.0 - 149.9	Other	Total
03/14/21	00:00	0	0	1	1	31	67	24	2	1	0	0	0	0	0	0	0	127
Sun	01:00	0	0	1	1	20	37	15	1	1	0	0	0	0	0	0	0	76
	02:00	0	0	1	0	9	21	11	1	0	0	0	0	0	0	0	0	43
	03:00	0	0	0	0	9	13	7	0	0	0	0	0	0	0	0	0	29
	04:00	0	0	0	0	9	17	7	2	0	0	0	0	0	0	0	0	35
	05:00	0	0	2	4	24	20	11	0	0	0	0	0	0	0	0	0	61
	06:00	0	0	3	22	56	19	2	0	0	0	0	0	0	0	0	0	102
	07:00	0	0	1	3	23	72	26	5	2	1	0	0	0	0	0	0	133
	08:00	0	0	2	1	55	145	42	3	0	0	0	0	0	0	0	0	248
	09:00	0	0	2	45	116	132	35	3	0	0	0	0	0	0	0	0	333
	10:00	1	4	4	28	141	242	50	6	0	0	0	0	0	0	0	0	476
	11:00	2	1	2	27	195	245	53	5	1	0	0	0	0	0	0	0	531
	12:00	1	3	14	42	191	223	68	10	2	0	0	0	1	0	0	0	555
	13:00	3	3	0	36	159	253	74	7	0	0	0	0	0	0	0	0	535
	14:00	2	2	9	36	156	259	75	5	1	0	0	0	0	0	0	0	545
	15:00	0	2	5	26	123	282	85	6	2	1	0	0	0	0	0	0	532
	16:00	1	2	6	29	117	240	80	8	1	0	0	0	0	0	0	0	484
	17:00	0	2	4	33	139	185	70	5	1	0	0	0	0	0	0	0	439
	18:00	3	4	5	55	143	139	30	4	0	0	0	0	0	0	0	0	383
	19:00	0	0	4	21	107	142	30	1	1	0	0	0	0	0	0	0	306
	20:00	0	0	1	10	76	141	31	2	2	0	0	0	0	0	0	0	263
	21:00	0	1	2	6	50	87	33	3	0	0	0	0	0	0	0	0	182
	22:00	0	0	2	3	28	75	27	1	0	0	0	0	0	0	0	0	136
	23:00	0	0	1	4	13	45	6	1	2	0	0	0	0	0	0	0	72
Daily Total :		13	24	72	433	1990	3101	892	81	17	2	0	0	1	0	0	0	6626
Percent :		0%	0%	1%	7%	30%	47%	13%	1%	0%	0%	0%	0%	0%	0%	0%	0%	
Average :		1	1	3	18	83	129	37	3	1	0	0	0	0	0	0	0	318
Speeds - Average: 51.8 50% : 52.7 67% : 56.2 85% : 60.0 20kph Pace: 40.1 - 60.0 (76.8%)																		

(STANTEC)		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	
Date	Time	0.0 - 9.9	10.0 - 19.9	20.0 - 29.9	30.0 - 39.9	40.0 - 49.9	50.0 - 59.9	60.0 - 69.9	70.0 - 79.9	80.0 - 89.9	90.0 - 99.9	100.0 - 109.9	110.0 - 119.9	120.0 - 129.9	130.0 - 139.9	140.0 - 149.9	Other	Total
03/15/21	00:00	0	0	0	2	10	27	11	2	0	0	0	0	0	0	0	0	52
Mon	01:00	0	0	0	0	2	21	6	1	1	0	0	0	0	0	0	0	31
	02:00	0	0	0	0	2	13	5	0	0	0	0	0	0	0	0	0	20
	03:00	0	0	1	0	7	8	5	1	0	0	0	0	0	0	0	0	22
	04:00	0	0	0	1	13	36	13	2	1	0	0	0	0	0	0	0	66
	05:00	0	0	1	16	48	45	19	1	1	0	0	0	0	0	0	0	131
	06:00	1	1	8	31	104	49	8	2	0	0	0	0	0	0	0	0	204
	07:00	0	0	3	6	46	141	56	8	2	0	0	0	0	0	0	0	262
	08:00	1	0	1	11	72	176	73	9	0	0	0	0	0	0	0	0	343
	09:00	0	2	3	19	71	224	72	5	1	1	0	0	0	0	0	0	398
	10:00	2	2	4	14	118	286	62	9	0	0	0	0	0	0	0	0	497
	11:00	1	3	8	36	123	232	77	9	0	0	0	0	0	0	0	0	489
	12:00	0	1	11	21	124	235	76	9	0	0	1	0	0	0	0	0	478
	13:00	4	1	4	15	141	261	96	11	4	0	2	0	0	0	0	0	539
	14:00	2	4	5	21	119	304	100	11	2	2	0	0	0	0	0	0	570
	15:00	1	1	3	24	125	284	86	13	1	1	0	0	0	0	0	0	539
	16:00	1	1	3	23	102	257	111	15	3	1	0	0	0	0	0	0	517
	17:00	2	2	8	41	116	181	65	5	2	0	0	0	0	0	0	0	422
	18:00	0	1	12	37	147	178	37	0	0	0	0	0	0	0	0	0	412
	19:00	0	1	2	17	92	149	40	4	0	1	0	0	0	0	0	0	306
	20:00	0	0	2	7	57	121	42	2	0	0	0	0	0	0	0	0	231
	21:00	0	1	1	5	53	77	28	3	0	0	0	0	0	0	0	0	168
	22:00	0	0	3	3	20	58	14	2	0	0	0	0	0	0	0	0	100
	23:00	0	0	1	0	16	39	14	0	0	0	0	0	0	0	0	0	70
Daily Total :		15	21	84	350	1728	3402	1116	124	18	6	3	0	0	0	0	0	6867
Percent :		0%	0%	1%	5%	25%	50%	16%	2%	0%	0%	0%	0%	0%	0%	0%	0%	
Average :		1	1	4	15	72	142	47	5	1	0	0	0	0	0	0	0	276
Speeds - Average: 52.9 50% : 53.8 67% : 57.1 85% : 62.3 20kph Pace: 40.1 - 60.0 (74.7%)																		

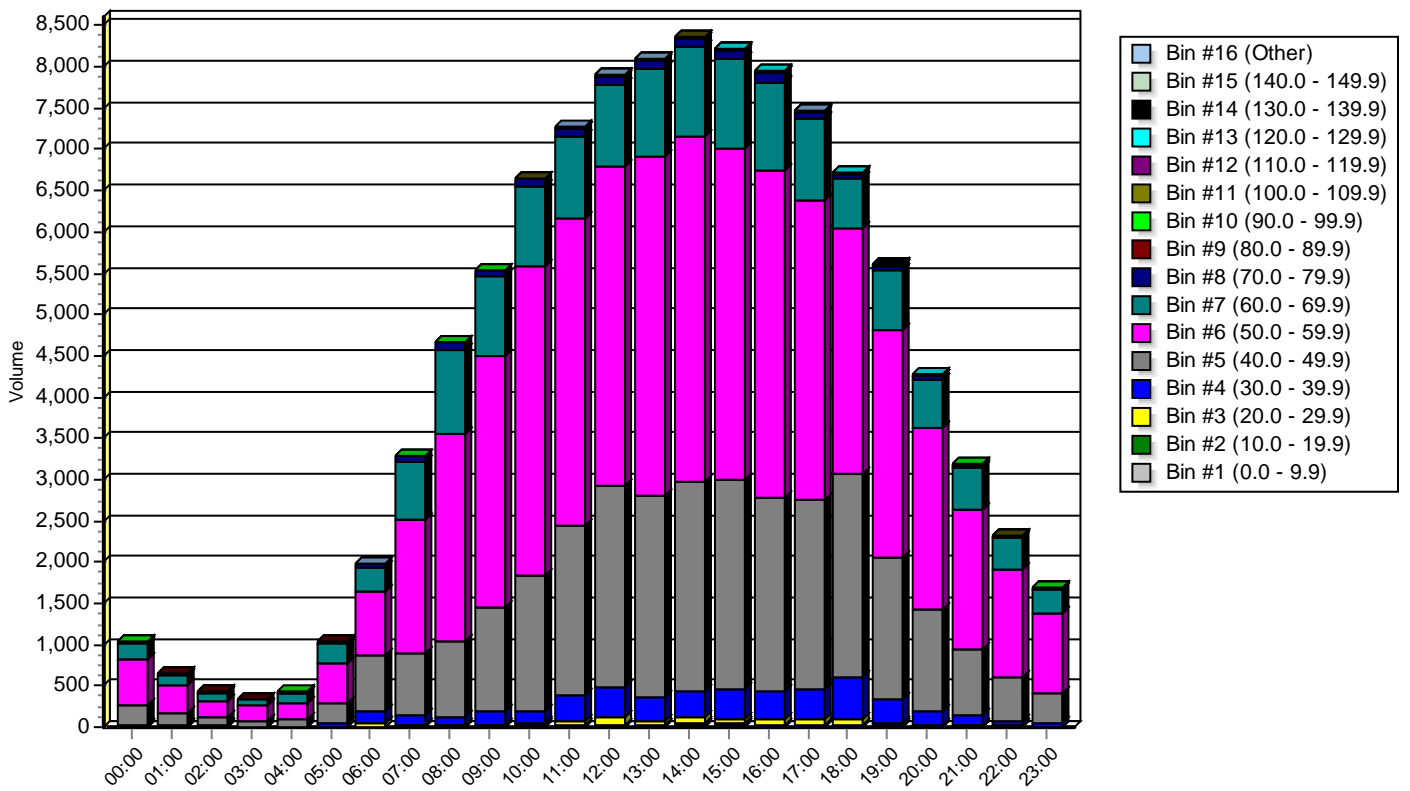
Basic Speed Class Summary: V21002

(STANTEC)		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	
		0.0 - 9.9	10.0 - 19.9	20.0 - 29.9	30.0 - 39.9	40.0 - 49.9	50.0 - 59.9	60.0 - 69.9	70.0 - 79.9	80.0 - 89.9	90.0 - 99.9	100.0 - 109.9	110.0 - 119.9	120.0 - 129.9	130.0 - 139.9	140.0 - 149.9	Other	Total
TOTAL COUNT :	#1.	3	12	103	1183	14974	29332	8504	732	62	9	5	0	0	0	0	0	54919
	#2.	115	212	619	3141	14961	23637	6691	620	141	52	16	5	7	1	0	5	50223
		<u>118</u>	<u>224</u>	<u>722</u>	<u>4324</u>	<u>29935</u>	<u>52969</u>	<u>15195</u>	<u>1352</u>	<u>203</u>	<u>61</u>	<u>21</u>	<u>5</u>	<u>7</u>	<u>1</u>	<u>0</u>	<u>5</u>	<u>105142</u>
Percents :	#1.	0%	0%	0%	2%	27%	53%	15%	1%	0%	0%	0%	0%	0%	0%	0%	0%	52%
	#2.	0%	0%	1%	6%	30%	47%	13%	1%	0%	0%	0%	0%	0%	0%	0%	0%	48%
		<u>0%</u>	<u>0%</u>	<u>1%</u>	<u>4%</u>	<u>28%</u>	<u>50%</u>	<u>14%</u>	<u>1%</u>	<u>0%</u>	<u>0%</u>	<u>0%</u>	<u>0%</u>	<u>0%</u>	<u>0%</u>	<u>0%</u>	<u>0%</u>	<u>0%</u>
Average :	#1.	0	0	1	7	89	175	51	4	0	0	0	0	0	0	0	0	327
	#2.	1	1	4	19	89	141	40	4	1	0	0	0	0	0	0	0	300
		<u>1</u>	<u>1</u>	<u>5</u>	<u>26</u>	<u>178</u>	<u>316</u>	<u>91</u>	<u>8</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>627</u>
Days & ADT :	#1.	7.0	7845															
	#2.	7.0	7174															
		<u>7.0</u>	<u>15020</u>															
Avg,50,67,85%:	#1.	53.6	53.9	57.1	61.4	40.1	- 60.0	81%										
Pace (pace %)	#2.	51.8	52.7	56.3	60.2	40.1	- 60.0	77%										
		<u>52.7</u>	<u>53.4</u>	<u>56.7</u>	<u>60.9</u>	<u>40.1</u>	<u>- 60.0</u>	<u>79%</u>										

Speed Class vs. Volume (all lanes)



Speed Class vs. Time (all lanes)



Basic Length Classification Report: V21002

Lane #1 Configuration

#	Dir.	Information	Vehicle Sensors	Sensor Spacing	Loop Length	Comment
1.	E	EB	Ax-Ax	150 cm	182 cm	

Lane #1 Basic Length Classification Data From: 00:00 - 03/09/2021 To: 23:59 - 03/15/2021

(MTOVC5)		#1	#2	#3	#4	#5	
		0 -	650 -	1250 -	2110 -		
Date	Time	649cm	1249cm	2109cm	2300cm	Other	Total
03/09/21	00:00	55	0	2	0	0	57
Tue	01:00	36	0	1	0	0	37
	02:00	32	1	0	0	0	33
	03:00	19	1	1	0	0	21
	04:00	27	1	1	0	0	29
	05:00	71	4	3	0	0	78
	06:00	134	5	7	0	0	146
	07:00	234	11	13	0	5	263
	08:00	379	31	24	3	6	443
	09:00	385	22	26	3	3	439
	10:00	440	22	23	1	3	489
	11:00	445	35	29	2	8	519
	12:00	507	34	38	2	8	589
	13:00	508	35	45	1	8	597
	14:00	483	51	49	4	14	601
	15:00	522	59	35	2	10	628
	16:00	518	41	50	1	16	626
	17:00	467	26	37	2	15	547
	18:00	450	27	31	1	9	518
	19:00	379	16	24	0	4	423
	20:00	282	10	7	0	3	302
	21:00	198	4	4	0	0	206
	22:00	152	3	3	0	1	159
	23:00	106	0	3	0	1	110
Daily Total :		6829	439	456	22	114	7860
Percent :		87%	6%	6%	0%	1%	
Average :		285	18	19	1	5	328

(MTOVC5)		#1	#2	#3	#4	#5	
		0 -	650 -	1250 -	2110 -		
Date	Time	649cm	1249cm	2109cm	2300cm	Other	Total
03/10/21	00:00	58	0	1	0	0	59
Wed	01:00	40	0	1	0	0	41
	02:00	20	0	0	0	0	20
	03:00	17	0	0	0	0	17
	04:00	21	0	0	0	0	21
	05:00	59	1	0	0	0	60
	06:00	139	5	6	0	1	151
	07:00	260	23	10	1	4	298
	08:00	417	24	17	1	3	462
	09:00	380	20	25	0	6	431
	10:00	469	24	29	0	9	531
	11:00	464	42	39	1	12	558
	12:00	495	33	39	4	15	586
	13:00	488	34	33	6	6	567
	14:00	515	51	52	5	11	634
	15:00	485	45	45	3	20	598
	16:00	502	59	34	4	15	614
	17:00	461	46	43	5	11	566
	18:00	433	36	33	1	10	513
	19:00	347	24	13	1	6	391
	20:00	288	13	5	2	2	310
	21:00	202	7	12	0	0	221
	22:00	151	5	3	0	0	159
	23:00	115	1	1	0	0	117
Daily Total :		6826	493	441	34	131	7925
Percent :		86%	6%	6%	0%	2%	
Average :		284	21	18	1	5	329

(MTOVC5)		#1	#2	#3	#4	#5	
		0 -	650 -	1250 -	2110 -		
Date	Time	649cm	1249cm	2109cm	2300cm	Other	Total
03/11/21	00:00	51	1	1	0	0	53
Thu	01:00	33	0	0	0	0	33
	02:00	24	0	0	0	0	24
	03:00	26	0	1	0	0	27
	04:00	18	1	0	0	0	19
	05:00	54	2	0	0	0	56
	06:00	126	5	7	0	1	139
	07:00	180	21	28	1	10	240
	08:00	340	48	17	2	10	417
	09:00	345	31	25	1	4	406
	10:00	394	39	30	1	6	470
	11:00	391	46	33	7	12	489
	12:00	405	58	58	3	18	542
	13:00	407	49	48	3	18	525
	14:00	445	55	45	3	19	567
	15:00	491	47	61	4	11	614
	16:00	405	48	43	5	21	522
	17:00	464	37	51	3	12	567
	18:00	410	28	41	2	9	490
	19:00	386	19	21	1	3	430
	20:00	281	7	9	0	3	300
	21:00	192	4	4	0	1	201
	22:00	159	1	1	0	0	161
	23:00	126	0	1	0	0	127
Daily Total :		6153	547	525	36	158	7419
Percent :		83%	7%	7%	0%	2%	
Average :		256	23	22	2	7	310

(MTOVC5)		#1	#2	#3	#4	#5	
		0 -	650 -	1250 -	2110 -		
Date	Time	649cm	1249cm	2109cm	2300cm	Other	Total
03/12/21	00:00	60	0	0	0	0	60
Fri	01:00	36	0	1	0	0	37
	02:00	31	1	0	0	0	32
	03:00	33	0	1	0	0	34
	04:00	28	1	1	0	0	30
	05:00	63	2	0	0	0	65
	06:00	114	3	8	1	2	128
	07:00	286	15	10	0	1	312
	08:00	393	26	23	1	7	450
	09:00	404	26	20	1	5	456
	10:00	445	32	34	2	4	517
	11:00	452	41	39	1	10	543
	12:00	531	38	27	0	10	606
	13:00	546	54	38	0	15	653
	14:00	562	66	37	3	17	685
	15:00	454	65	68	7	26	620
	16:00	487	56	46	4	21	614
	17:00	543	39	47	2	15	646
	18:00	470	39	40	0	13	562
	19:00	428	29	24	1	11	493
	20:00	333	19	15	0	3	370
	21:00	270	6	8	0	2	286
	22:00	192	6	7	0	0	205
	23:00	151	4	7	0	0	162
Daily Total :		7312	568	501	23	162	8566
Percent :		85%	7%	6%	0%	2%	
Average :		305	24	21	1	7	358

(MTOVC5)		#1	#2	#3	#4	#5	
		0 -	650 -	1250 -	2110 -		
Date	Time	649cm	1249cm	2109cm	2300cm	Other	Total
03/13/21	00:00	90	2	1	0	0	93
Sat	01:00	64	1	0	0	0	65
	02:00	29	0	0	0	0	29
	03:00	25	0	0	0	0	25
	04:00	22	0	0	0	0	22
	05:00	64	2	2	0	0	68
	06:00	83	3	5	0	0	91
	07:00	157	5	8	1	1	172
	08:00	278	5	13	0	0	296
	09:00	345	25	18	2	2	392
	10:00	415	23	37	0	9	484
	11:00	533	45	32	1	11	622
	12:00	574	37	54	1	15	681
	13:00	595	51	64	7	19	736
	14:00	582	58	53	3	12	708
	15:00	548	50	60	1	21	680
	16:00	601	60	46	3	11	721
	17:00	562	54	43	0	6	665
	18:00	470	32	59	2	14	577
	19:00	427	29	28	2	5	491
	20:00	346	22	16	0	2	386
	21:00	281	5	9	0	1	296
	22:00	193	3	7	0	0	203
	23:00	147	3	2	0	0	152
Daily Total :		7431	515	557	23	129	8655
Percent :		86%	6%	6%	0%	1%	
Average :		310	21	23	1	5	360

(MTOVC5)		#1	#2	#3	#4	#5	
		0 -	650 -	1250 -	2110 -		
Date	Time	649cm	1249cm	2109cm	2300cm	Other	Total
03/14/21	00:00	93	1	2	0	0	96
Sun	01:00	64	1	0	0	0	65
	02:00	36	1	0	0	0	37
	03:00	31	0	0	0	0	31
	04:00	35	1	0	0	0	36
	05:00	59	3	0	0	0	62
	06:00	102	5	3	0	0	110
	07:00	164	5	5	0	0	174
	08:00	261	9	10	0	0	280
	09:00	281	18	22	2	2	325
	10:00	390	20	30	2	8	450
	11:00	487	33	36	1	8	565
	12:00	558	49	34	1	8	650
	13:00	550	55	47	1	11	664
	14:00	499	39	42	1	11	592
	15:00	469	41	28	0	11	549
	16:00	457	36	33	3	7	536
	17:00	427	18	25	0	3	473
	18:00	345	20	26	2	2	395
	19:00	303	6	14	1	1	325
	20:00	225	6	6	0	0	237
	21:00	181	5	5	0	0	191
	22:00	105	0	1	0	0	106
	23:00	61	0	0	0	0	61
Daily Total :		6183	372	369	14	72	7010
Percent :		88%	5%	5%	0%	1%	
Average :		258	16	15	1	3	293

(MTOVC5)		#1	#2	#3	#4	#5	
		0 -	650 -	1250 -	2110 -		
Date	Time	649cm	1249cm	2109cm	2300cm	Other	Total
03/15/21	00:00	38	0	1	0	0	39
Mon	01:00	24	0	0	0	0	24
	02:00	21	0	0	0	0	21
	03:00	26	1	0	0	0	27
	04:00	65	1	1	0	0	67
	05:00	128	5	6	0	2	141
	06:00	203	17	17	0	4	241
	07:00	368	26	26	1	5	426
	08:00	348	21	18	0	3	390
	09:00	414	25	18	1	3	461
	10:00	437	24	20	1	5	487
	11:00	438	36	32	1	11	518
	12:00	481	33	28	1	8	551
	13:00	502	51	28	0	12	593
	14:00	550	42	47	2	9	650
	15:00	510	43	40	1	4	598
	16:00	484	23	38	0	6	551
	17:00	396	42	29	0	6	473
	18:00	355	22	22	2	3	404
	19:00	260	6	12	0	1	279
	20:00	188	5	3	0	0	196
	21:00	164	2	3	0	0	169
	22:00	112	1	5	0	0	118
	23:00	59	1	0	0	0	60
Daily Total :		6571	427	394	10	82	7484
Percent :		88%	6%	5%	0%	1%	
Average :		274	18	16	0	3	311

Lane #2 Configuration

#	Dir.	Information	Vehicle Sensors	Sensor Spacing	Loop Length	Comment
2.	W	WB	Ax-Ax	150 cm	182 cm	

Lane #2 Basic Length Classification Data From: 00:00 - 03/09/2021 To: 23:59 - 03/15/2021

(MTOVC5)		#1	#2	#3	#4	#5	
		0 -	650 -	1250 -	2110 -		
Date	Time	649cm	1249cm	2109cm	2300cm	Other	Total
03/09/21	00:00	78	0	1	0	0	79
Tue	01:00	35	0	0	0	0	35
	02:00	35	0	1	0	0	36
	03:00	21	0	0	0	0	21
	04:00	20	0	1	0	1	22
	05:00	55	0	0	0	0	55
	06:00	146	2	4	0	0	152
	07:00	196	15	3	0	1	215
	08:00	246	9	14	0	2	271
	09:00	334	24	14	0	5	377
	10:00	385	23	20	0	3	431
	11:00	394	28	24	2	9	457
	12:00	486	33	32	1	7	559
	13:00	466	39	21	3	8	537
	14:00	469	29	31	2	10	541
	15:00	457	47	27	2	14	547
	16:00	465	34	32	0	8	539
	17:00	449	31	27	2	5	514
	18:00	435	21	27	2	6	491
	19:00	392	15	20	0	4	431
	20:00	296	7	5	0	0	308
	21:00	192	7	6	0	0	205
	22:00	141	1	3	1	0	146
	23:00	148	0	3	0	0	151
Daily Total :		6341	365	316	15	83	7120
Percent :		89%	5%	4%	0%	1%	
Average :		264	15	13	1	3	296

(MTOVC5)		#1	#2	#3	#4	#5	
		0 -	650 -	1250 -	2110 -		
Date	Time	649cm	1249cm	2109cm	2300cm	Other	Total
03/10/21	00:00	58	0	1	0	0	59
Wed	01:00	48	0	0	0	0	48
	02:00	34	0	1	0	0	35
	03:00	16	0	0	0	0	16
	04:00	17	0	0	0	0	17
	05:00	69	0	0	0	0	69
	06:00	143	4	4	0	0	151
	07:00	202	8	5	1	0	216
	08:00	247	13	7	2	1	270
	09:00	352	13	14	0	1	380
	10:00	415	20	16	0	2	453
	11:00	428	23	21	1	10	483
	12:00	433	33	33	3	9	511
	13:00	467	24	29	2	6	528
	14:00	443	43	26	4	16	532
	15:00	527	35	40	0	16	618
	16:00	456	38	32	7	16	549
	17:00	466	33	38	2	6	545
	18:00	414	32	27	2	7	482
	19:00	353	15	19	1	1	389
	20:00	271	9	10	1	0	291
	21:00	215	8	11	0	3	237
	22:00	181	5	5	0	0	191
	23:00	133	3	0	0	0	136
Daily Total :		6388	359	339	26	94	7206
Percent :		89%	5%	5%	0%	1%	
Average :		266	15	14	1	4	300

(MTOVC5)		#1	#2	#3	#4	#5	
		0 -	650 -	1250 -	2110 -		
Date	Time	649cm	1249cm	2109cm	2300cm	Other	Total
03/11/21	00:00	55	2	0	0	0	57
Thu	01:00	43	0	0	0	0	43
	02:00	28	0	0	0	0	28
	03:00	16	0	1	0	0	17
	04:00	23	0	0	0	0	23
	05:00	72	1	0	0	0	73
	06:00	135	5	3	0	0	143
	07:00	177	9	12	0	1	199
	08:00	266	14	12	0	1	293
	09:00	336	27	17	1	1	382
	10:00	368	19	20	0	3	410
	11:00	404	32	18	3	5	462
	12:00	452	32	17	1	7	509
	13:00	439	28	16	4	6	493
	14:00	449	46	30	1	8	534
	15:00	483	44	29	0	6	562
	16:00	458	32	43	3	5	541
	17:00	437	33	32	1	7	510
	18:00	421	26	27	1	3	478
	19:00	375	23	10	2	7	417
	20:00	299	12	13	1	1	326
	21:00	205	4	4	0	1	214
	22:00	183	2	1	0	0	186
	23:00	126	1	0	0	0	127
Daily Total :		6250	392	305	18	62	7027
Percent :		89%	6%	4%	0%	1%	
Average :		260	16	13	1	3	293

(MTOVC5)		#1	#2	#3	#4	#5	
		0 -	650 -	1250 -	2110 -		
Date	Time	649cm	1249cm	2109cm	2300cm	Other	Total
03/12/21	00:00	90	1	2	0	0	93
Fri	01:00	41	0	0	0	0	41
	02:00	29	0	1	0	0	30
	03:00	24	0	1	0	0	25
	04:00	21	0	1	0	0	22
	05:00	65	0	0	0	0	65
	06:00	133	3	4	0	0	140
	07:00	225	7	7	0	1	240
	08:00	260	16	7	0	2	285
	09:00	347	20	14	0	2	383
	10:00	434	39	12	2	2	489
	11:00	450	24	20	0	4	498
	12:00	480	27	21	2	14	544
	13:00	502	40	27	1	11	581
	14:00	499	42	32	4	14	591
	15:00	461	39	36	3	9	548
	16:00	529	32	38	1	10	610
	17:00	470	33	21	4	9	537
	18:00	442	31	28	3	6	510
	19:00	366	31	24	2	9	432
	20:00	340	13	12	3	1	369
	21:00	300	13	8	1	2	324
	22:00	203	7	12	0	2	224
	23:00	169	2	5	0	0	176
Daily Total :		6880	420	333	26	98	7757
Percent :		89%	5%	4%	0%	1%	
Average :		287	18	14	1	4	324

(MTOVC5)		#1	#2	#3	#4	#5	
		0 -	650 -	1250 -	2110 -		
Date	Time	649cm	1249cm	2109cm	2300cm	Other	Total
03/13/21	00:00	103	2	2	0	0	107
Sat	01:00	67	3	0	0	0	70
	02:00	39	0	0	0	0	39
	03:00	28	0	0	0	0	28
	04:00	14	0	1	0	0	15
	05:00	51	1	0	0	0	52
	06:00	75	3	0	0	0	78
	07:00	137	3	4	0	1	145
	08:00	211	10	5	0	1	227
	09:00	345	18	17	0	1	381
	10:00	435	15	18	2	2	472
	11:00	471	31	24	1	4	531
	12:00	473	32	28	4	15	552
	13:00	469	41	33	2	4	549
	14:00	521	45	35	4	10	615
	15:00	507	35	35	7	13	597
	16:00	444	30	29	3	15	521
	17:00	480	35	38	1	11	565
	18:00	437	31	32	3	9	512
	19:00	431	21	30	1	6	489
	20:00	355	9	12	0	3	379
	21:00	268	6	8	0	2	284
	22:00	223	3	9	0	0	235
	23:00	170	1	4	1	1	177
Daily Total :		6754	375	364	29	98	7620
Percent :		89%	5%	5%	0%	1%	
Average :		281	16	15	1	4	317

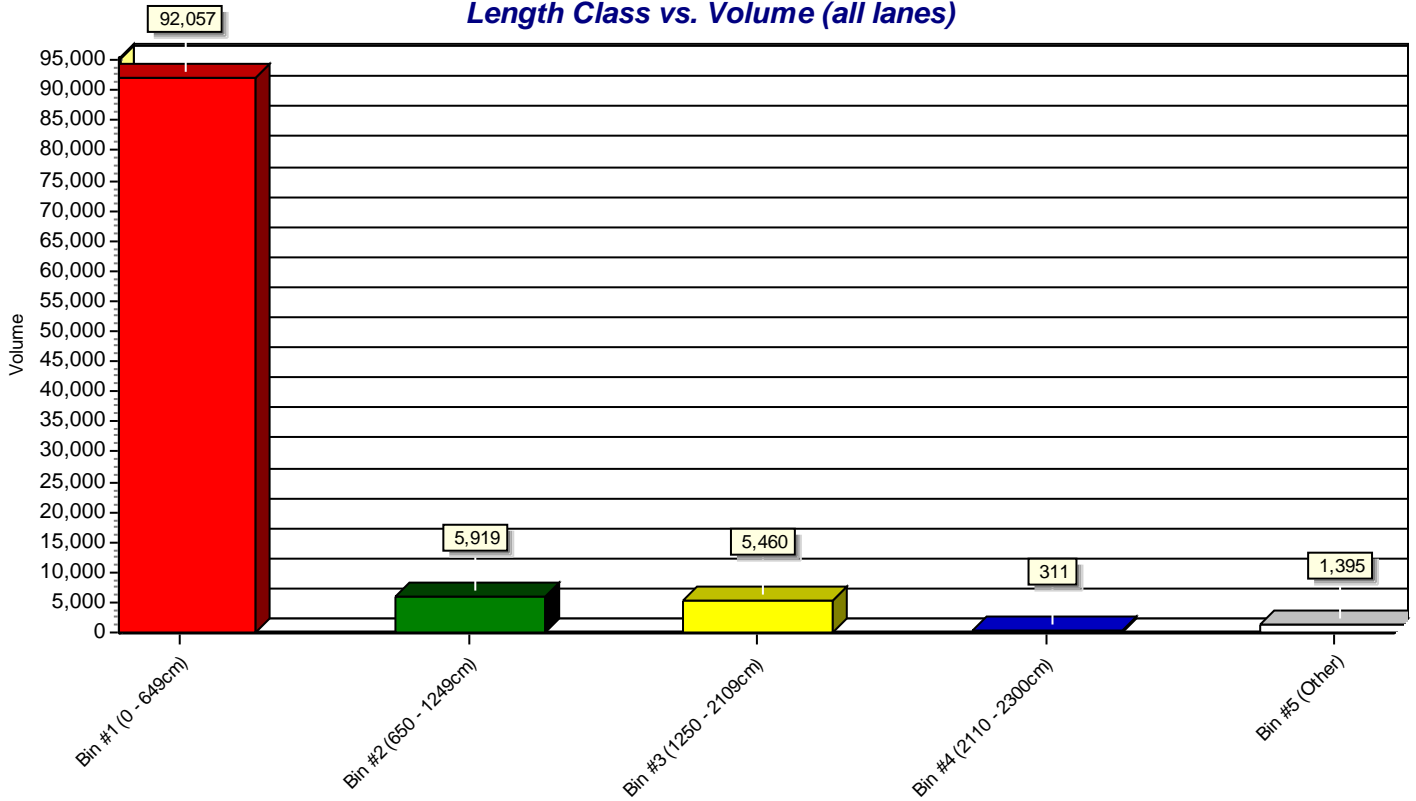
(MTOVC5)		#1	#2	#3	#4	#5	
		0 -	650 -	1250 -	2110 -		
Date	Time	649cm	1249cm	2109cm	2300cm	Other	Total
03/14/21	00:00	123	2	2	0	0	127
Sun	01:00	74	1	1	0	0	76
	02:00	43	0	0	0	0	43
	03:00	28	0	1	0	0	29
	04:00	35	0	0	0	0	35
	05:00	60	0	1	0	0	61
	06:00	99	3	0	0	0	102
	07:00	127	5	1	0	0	133
	08:00	232	8	7	0	1	248
	09:00	305	14	13	0	1	333
	10:00	425	22	24	1	4	476
	11:00	463	38	21	3	6	531
	12:00	476	30	37	2	10	555
	13:00	456	35	36	2	6	535
	14:00	472	35	27	2	9	545
	15:00	471	34	21	3	3	532
	16:00	434	22	22	0	6	484
	17:00	398	23	16	0	2	439
	18:00	347	17	15	0	4	383
	19:00	279	13	14	0	0	306
	20:00	248	11	3	0	1	263
	21:00	174	4	4	0	0	182
	22:00	132	2	1	1	0	136
	23:00	72	0	0	0	0	72
Daily Total :		5973	319	267	14	53	6626
Percent :		90%	5%	4%	0%	1%	
Average :		249	13	11	1	2	276

(MTOVC5)		#1	#2	#3	#4	#5	
		0 -	650 -	1250 -	2110 -		
Date	Time	649cm	1249cm	2109cm	2300cm	Other	Total
03/15/21	00:00	52	0	0	0	0	52
Mon	01:00	31	0	0	0	0	31
	02:00	20	0	0	0	0	20
	03:00	21	0	1	0	0	22
	04:00	66	0	0	0	0	66
	05:00	124	2	5	0	0	131
	06:00	191	6	6	0	1	204
	07:00	238	15	7	0	2	262
	08:00	307	23	10	2	1	343
	09:00	369	16	10	1	2	398
	10:00	444	25	20	2	6	497
	11:00	418	30	33	2	6	489
	12:00	429	18	21	3	7	478
	13:00	459	39	34	4	3	539
	14:00	499	30	33	3	5	570
	15:00	466	31	30	2	10	539
	16:00	459	26	25	0	7	517
	17:00	380	21	13	2	6	422
	18:00	377	19	14	0	2	412
	19:00	278	12	15	0	1	306
	20:00	216	8	7	0	0	231
	21:00	160	6	2	0	0	168
	22:00	94	0	6	0	0	100
	23:00	68	1	1	0	0	70
Daily Total :		6166	328	293	21	59	6867
Percent :		90%	5%	4%	0%	1%	
Average :		257	14	12	1	2	286

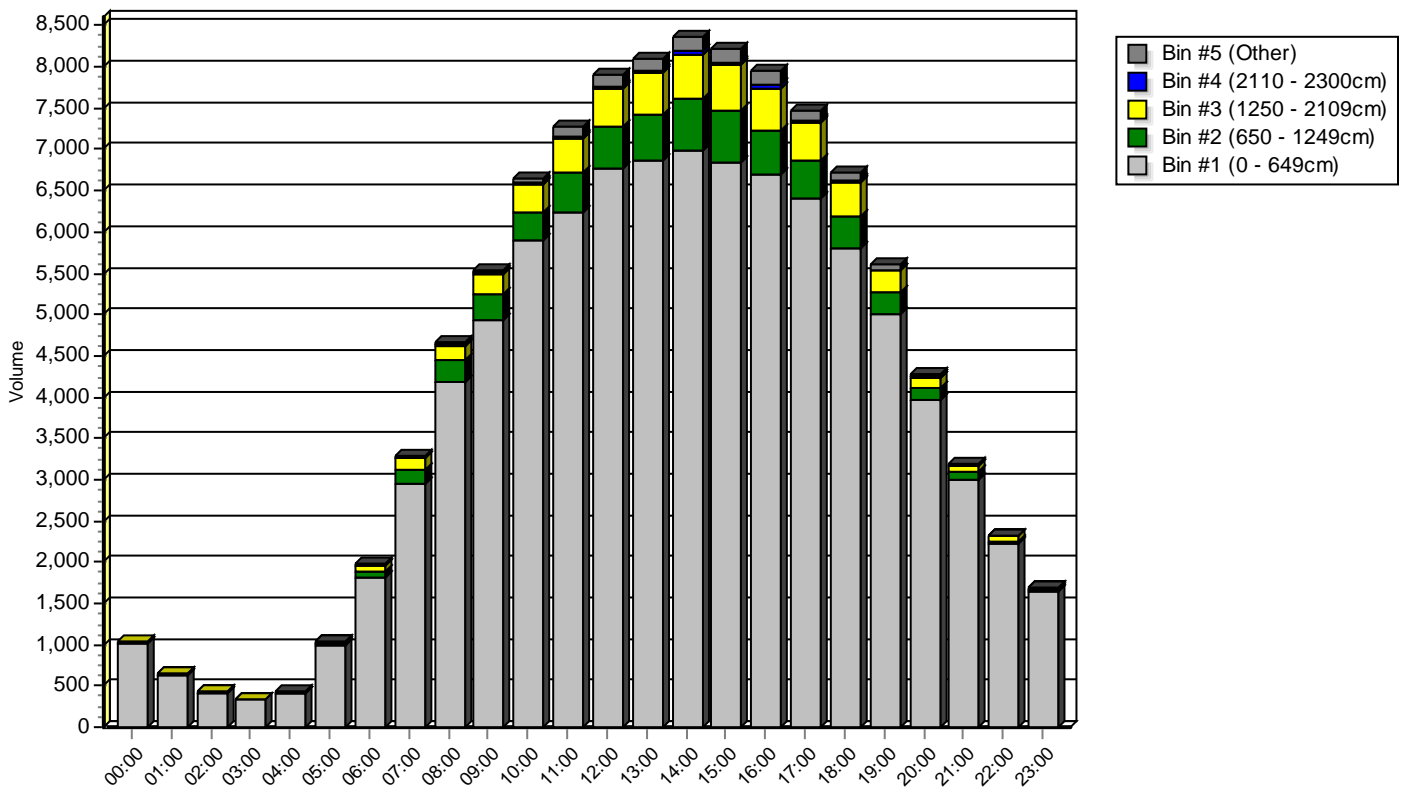
Basic Length Class Summary: V21002

<i>(MTOVC5)</i>		#1	#2	#3	#4	#5	
		0 -	650 -	1250 -	2110 -		
<i>Description</i>	<i>Lane</i>	<i>649cm</i>	<i>1249cm</i>	<i>2109cm</i>	<i>2300cm</i>	<i>Other</i>	<i>Total</i>
TOTAL COUNT :	#1.	47305	3361	3243	162	848	54919
	#2.	44752	2558	2217	149	547	50223
		<u>92057</u>	<u>5919</u>	<u>5460</u>	<u>311</u>	<u>1395</u>	<u>105142</u>
Percents :	#1.	86%	6%	6%	0%	2%	52%
	#2.	89%	5%	4%	0%	1%	48%
		<u>88%</u>	<u>6%</u>	<u>5%</u>	<u>0%</u>	<u>1%</u>	
Average :	#1.	282	20	19	1	5	327
	#2.	266	15	13	1	3	298
		<u>548</u>	<u>35</u>	<u>32</u>	<u>2</u>	<u>8</u>	<u>625</u>
Days & ADT :	#1.	7.0	7845				
	#2.	7.0	7174				
		<u>7.0</u>	<u>15020</u>				

Length Class vs. Volume (all lanes)



Length Class vs. Time (all lanes)



Hourly Multi-Channel Report: V21002

Station ID : V21002

Info Line 1 : 7230 Lundy#s Lane

Info Line 2 :

GPS Lat/Lon :

DB File : V21002.DB

Last Connected Device Type : Unic-L

Version Number : 1.63

Serial Number : 32954

Number of Lanes : 2

Posted Speed Limit : 50.0 kph

Lane Configuration

#	Dir.	Information	Volume Mode	Volume Sensors	Divide By 2	Comment
1.	E	EB	Normal	Veh.	No	
2.	W	WB	Normal	Veh.	No	

Hourly Multi-Channel Data From: 00:00 - 03/09/2021 To: 23:59 - 03/15/2021

Date	Time	#1	#2	Avg.	Total
03/09/21	00:00	57	79	68	136
Tue	01:00	37	35	36	72
	02:00	33	36	35	69
	03:00	21	21	21	42
	04:00	29	22	26	51
	05:00	78	55	67	133
	06:00	146	152	149	298
	07:00	263	215	239	478
	08:00	443	271	357	714
	09:00	439	377	408	816
	10:00	489	431	460	920
	11:00	519	457	488	976
	12:00	589	559	574	1148
	13:00	597	537	567	1134
	14:00	601	541	571	1142
	15:00	628	547	588	1175
	16:00	626	539	583	1165
	17:00	547	514	531	1061
	18:00	518	491	505	1009
	19:00	423	431	427	854
	20:00	302	308	305	610
	21:00	206	205	206	411
	22:00	159	146	153	305
	23:00	110	151	131	261
Day Total :		7860	7120	7495	14980
Percents :		52%	48%		

Lane	AM Total	AM Avg.	AM %	Peak AM	Peak %	PM Total	PM Avg.	PM %	Peak PM	Peak %
#1	2554	212.8	32.5%	11:00 = 519	6.6%	5306	442.2	67.5%	15:00 = 628	8.0%
#2	2151	179.3	30.2%	11:00 = 457	6.4%	4969	414.1	69.8%	12:00 = 559	7.9%
Comb.	4705	392.1	31.4%	11:00 = 976	6.5%	10275	856.3	68.6%	15:00 = 1175	7.8%

Date	Time	#1	#2	Avg.	Total
03/10/21	00:00	59	59	59	118
Wed	01:00	41	48	45	89
	02:00	20	35	28	55
	03:00	17	16	17	33
	04:00	21	17	19	38
	05:00	60	69	65	129
	06:00	151	151	151	302
	07:00	298	216	257	514
	08:00	462	270	366	732
	09:00	431	380	406	811
	10:00	531	453	492	984
	11:00	558	483	521	1041
	12:00	586	511	549	1097
	13:00	567	528	548	1095
	14:00	634	532	583	1166
	15:00	598	618	608	1216
	16:00	614	549	582	1163
	17:00	566	545	556	1111
	18:00	513	482	498	995
	19:00	391	389	390	780
	20:00	310	291	301	601
	21:00	221	237	229	458
	22:00	159	191	175	350
	23:00	117	136	127	253
Day Total :		7925	7206	7572	15131
Percents :		52%	48%		

Lane	AM Total	AM Avg.	AM %	Peak AM	Peak %	PM Total	PM Avg.	PM %	Peak PM	Peak %
#1	2649	220.8	33.4%	11:00 = 558	7.0%	5276	439.7	66.6%	14:00 = 634	8.0%
#2	2197	183.1	30.5%	11:00 = 483	6.7%	5009	417.4	69.5%	15:00 = 618	8.6%
Comb.	4846	403.8	32.0%	11:00 = 1041	6.9%	10285	857.1	68.0%	15:00 = 1216	8.0%

Date	Time	#1	#2	Avg.	Total
03/11/21	00:00	53	57	55	110
Thu	01:00	33	43	38	76
	02:00	24	28	26	52
	03:00	27	17	22	44
	04:00	19	23	21	42
	05:00	56	73	65	129
	06:00	139	143	141	282
	07:00	240	199	220	439
	08:00	417	293	355	710
	09:00	406	382	394	788
	10:00	470	410	440	880
	11:00	489	462	476	951
	12:00	542	509	526	1051
	13:00	525	493	509	1018
	14:00	567	534	551	1101
	15:00	614	562	588	1176
	16:00	522	541	532	1063
	17:00	567	510	539	1077
	18:00	490	478	484	968
	19:00	430	417	424	847
	20:00	300	326	313	626
	21:00	201	214	208	415
	22:00	161	186	174	347
	23:00	127	127	127	254
Day Total :		7419	7027	7228	14446
Percents :		51%	49%		

Lane	AM Total	AM Avg.	AM %	Peak AM	Peak %	PM Total	PM Avg.	PM %	Peak PM	Peak %
#1	2373	197.8	32.0%	11:00 = 489	6.6%	5046	420.5	68.0%	15:00 = 614	8.3%
#2	2130	177.5	30.3%	11:00 = 462	6.6%	4897	408.1	69.7%	15:00 = 562	8.0%
Comb.	4503	375.3	31.2%	11:00 = 951	6.6%	9943	828.6	68.8%	15:00 = 1176	8.1%

Date	Time	#1	#2	Avg.	Total
03/12/21	00:00	60	93	77	153
Fri	01:00	37	41	39	78
	02:00	32	30	31	62
	03:00	34	25	30	59
	04:00	30	22	26	52
	05:00	65	65	65	130
	06:00	128	140	134	268
	07:00	312	240	276	552
	08:00	450	285	368	735
	09:00	456	383	420	839
	10:00	517	489	503	1006
	11:00	543	498	521	1041
	12:00	606	544	575	1150
	13:00	653	581	617	1234
	14:00	685	591	638	1276
	15:00	620	548	584	1168
	16:00	614	610	612	1224
	17:00	646	537	592	1183
	18:00	562	510	536	1072
	19:00	493	432	463	925
	20:00	370	369	370	739
	21:00	286	324	305	610
	22:00	205	224	215	429
	23:00	162	176	169	338
Day Total :		8566	7757	8166	16323
Percents :		52%	48%		

Lane	AM Total	AM Avg.	AM %	Peak AM	Peak %	PM Total	PM Avg.	PM %	Peak PM	Peak %
#1	2664	222.0	31.1%	11:00 = 543	6.3%	5902	491.8	68.9%	14:00 = 685	8.0%
#2	2311	192.6	29.8%	11:00 = 498	6.4%	5446	453.8	70.2%	16:00 = 610	7.9%
Comb.	4975	414.6	30.5%	11:00 = 1041	6.4%	11348	945.7	69.5%	14:00 = 1276	7.8%

Date	Time	#1	#2	Avg.	Total
03/13/21	00:00	93	107	100	200
Sat	01:00	65	70	68	135
	02:00	29	39	34	68
	03:00	25	28	27	53
	04:00	22	15	19	37
	05:00	68	52	60	120
	06:00	91	78	85	169
	07:00	172	145	159	317
	08:00	296	227	262	523
	09:00	392	381	387	773
	10:00	484	472	478	956
	11:00	622	531	577	1153
	12:00	681	552	617	1233
	13:00	736	549	643	1285
	14:00	708	615	662	1323
	15:00	680	597	639	1277
	16:00	721	521	621	1242
	17:00	665	565	615	1230
	18:00	577	512	545	1089
	19:00	491	489	490	980
	20:00	386	379	383	765
	21:00	296	284	290	580
	22:00	203	235	219	438
	23:00	152	177	165	329
Day Total :		8655	7620	8145	16275
Percents :		53%	47%		

Lane	AM Total	AM Avg.	AM %	Peak AM	Peak %	PM Total	PM Avg.	PM %	Peak PM	Peak %
#1	2359	196.6	27.3%	11:00 = 622	7.2%	6296	524.7	72.7%	13:00 = 736	8.5%
#2	2145	178.8	28.1%	11:00 = 531	7.0%	5475	456.3	71.9%	14:00 = 615	8.1%
Comb.	4504	375.3	27.7%	11:00 = 1153	7.1%	11771	980.9	72.3%	14:00 = 1323	8.1%

Date	Time	#1	#2	Avg.	Total
03/14/21	00:00	96	127	112	223
Sun	01:00	65	76	71	141
	02:00	37	43	40	80
	03:00	31	29	30	60
	04:00	36	35	36	71
	05:00	62	61	62	123
	06:00	110	102	106	212
	07:00	174	133	154	307
	08:00	280	248	264	528
	09:00	325	333	329	658
	10:00	450	476	463	926
	11:00	565	531	548	1096
	12:00	650	555	603	1205
	13:00	664	535	600	1199
	14:00	592	545	569	1137
	15:00	549	532	541	1081
	16:00	536	484	510	1020
	17:00	473	439	456	912
	18:00	395	383	389	778
	19:00	325	306	316	631
	20:00	237	263	250	500
	21:00	191	182	187	373
	22:00	106	136	121	242
	23:00	61	72	67	133
Day Total :		7010	6626	6824	13636
Percents :		51%	49%		

Lane	AM Total	AM Avg.	AM %	Peak AM	Peak %	PM Total	PM Avg.	PM %	Peak PM	Peak %
#1	2231	185.9	31.8%	11:00 = 565	8.1%	4779	398.3	68.2%	13:00 = 664	9.5%
#2	2194	182.8	33.1%	11:00 = 531	8.0%	4432	369.3	66.9%	12:00 = 555	8.4%
Comb.	4425	368.8	32.5%	11:00 = 1096	8.0%	9211	767.6	67.5%	12:00 = 1205	8.8%

Date	Time	#1	#2	Avg.	Total
03/15/21	00:00	39	52	46	91
Mon	01:00	24	31	28	55
	02:00	21	20	21	41
	03:00	27	22	25	49
	04:00	67	66	67	133
	05:00	141	131	136	272
	06:00	241	204	223	445
	07:00	426	262	344	688
	08:00	390	343	367	733
	09:00	461	398	430	859
	10:00	487	497	492	984
	11:00	518	489	504	1007
	12:00	551	478	515	1029
	13:00	593	539	566	1132
	14:00	650	570	610	1220
	15:00	598	539	569	1137
	16:00	551	517	534	1068
	17:00	473	422	448	895
	18:00	404	412	408	816
	19:00	279	306	293	585
	20:00	196	231	214	427
	21:00	169	168	169	337
	22:00	118	100	109	218
	23:00	60	70	65	130
Day Total :		7484	6867	7183	14351
Percents :		52%	48%		

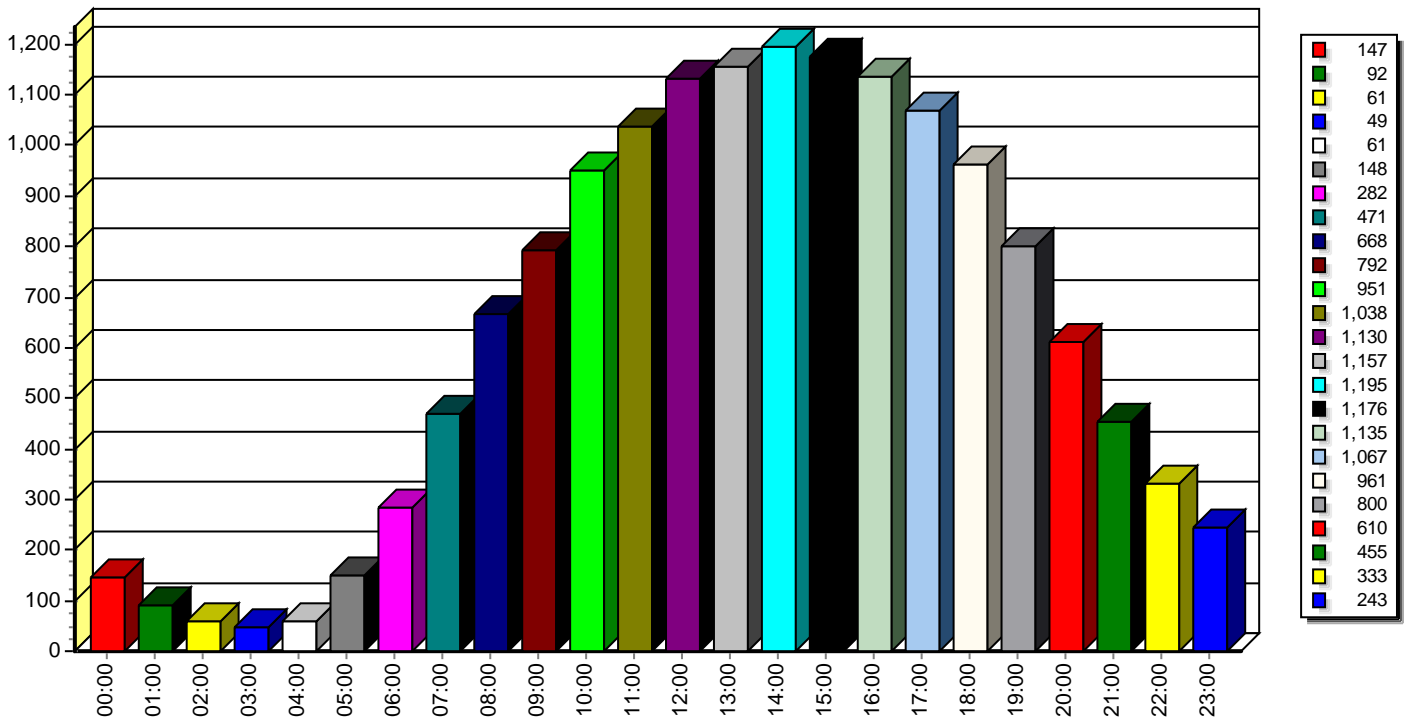
Lane	AM Total	AM Avg.	AM %	Peak AM	Peak %	PM Total	PM Avg.	PM %	Peak PM	Peak %
#1	2842	236.8	38.0%	11:00 = 518	6.9%	4642	386.8	62.0%	14:00 = 650	8.7%
#2	2515	209.6	36.6%	10:00 = 497	7.2%	4352	362.7	63.4%	14:00 = 570	8.3%
Comb.	5357	446.4	37.3%	11:00 = 1007	7.0%	8994	749.5	62.7%	14:00 = 1220	8.5%

Hourly Multi-Channel Summary: V21002

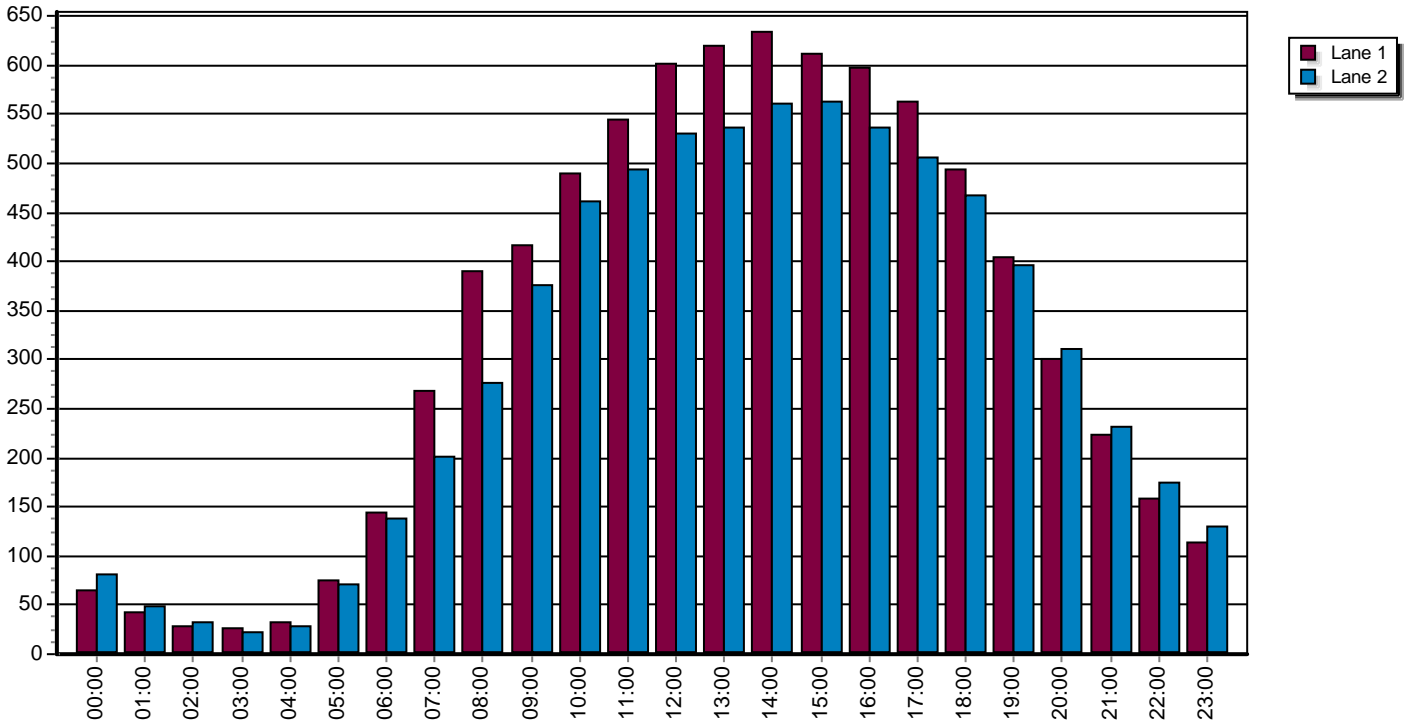
Date	Time	#1	#2	Avg.	Total
03/09/21	00:00	457	574	516	1031
Tue	01:00	302	344	323	646
	02:00	196	231	214	427
	03:00	182	158	170	340
	04:00	224	200	212	424
	05:00	530	506	518	1036
	06:00	1006	970	988	1976
	07:00	1885	1410	1648	3295
	08:00	2738	1937	2338	4675
	09:00	2910	2634	2772	5544
	10:00	3428	3228	3328	6656
	11:00	3814	3451	3633	7265
	12:00	4205	3708	3957	7913
	13:00	4335	3762	4049	8097
	14:00	4437	3928	4183	8365
	15:00	4287	3943	4115	8230
	16:00	4184	3761	3973	7945
	17:00	3937	3532	3735	7469
	18:00	3459	3268	3364	6727
	19:00	2832	2770	2801	5602
	20:00	2101	2167	2134	4268
	21:00	1570	1614	1592	3184
Mon	22:00	1111	1218	1165	2329
03/15/21	23:00	789	909	849	1698
Grand Total :		54919	50223	52577	105142
Percents :		52%	48%		

Lane	AM Total	AM Avg.	AM %	Peak AM	Peak %	PM Total	PM Avg.	PM %	Peak PM	Peak %
#1	17672	210.4	32.2%	11:00 = 3814	6.9%	37247	443.4	67.8%	14:00 = 4437	8.1%
#2	15643	186.2	31.1%	11:00 = 3451	6.9%	34580	411.7	68.9%	15:00 = 3943	7.9%
Comb.	33315	396.6	31.7%	11:00 = 7265	6.9%	71827	855.1	68.3%	14:00 = 8365	8.0%

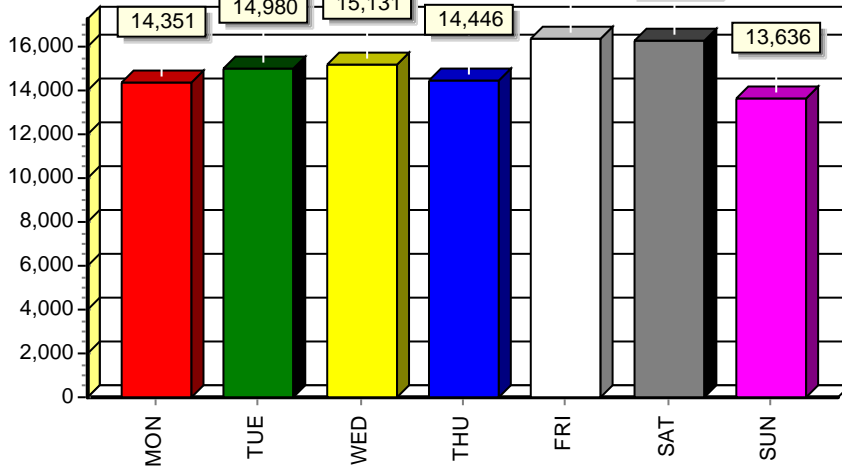
ADT Volume vs. Time (all lanes combined)



ADT Volume vs. Time (lane comparison)

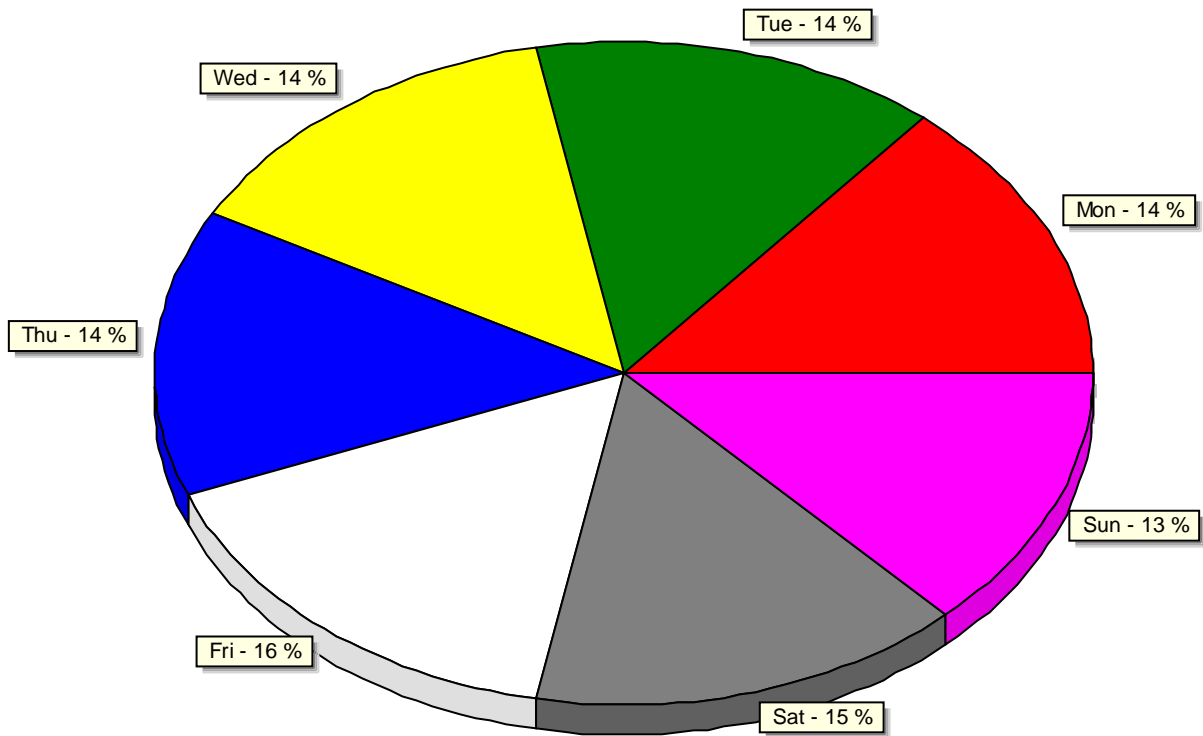


ADT By Day of Week (16,323) (16,275)



DAY	ADT	TOTAL	# DAYS
Mon	14351	14351	1.0
Tue	14980	14980	1.0
Wed	15131	15131	1.0
Thu	14446	14446	1.0
Fri	16323	16323	1.0
Sat	16275	16275	1.0
Sun	13636	13636	1.0

Percent of Totals by Day of Week



APPENDIX B

ENVIRONMENTAL NOISE GUIDELINES

APPENDIX B
ENVIRONMENTAL NOISE GUIDELINES
MINISTRY OF THE ENVIRONMENT, CONSERVATION AND PARKS (MECP)

Reference: MECP Publication NPC-300, October 2013: “*Environmental Noise Guideline, Stationary and Transportation Source – Approval and Planning*”.

SPACE	SOURCE	TIME PERIOD	CRITERION
Living/dining, den areas of residences, hospitals, nursing homes, schools, daycare centres, etc.	Road	07:00 to 23:00	45 dBA
	Rail	07:00 to 23:00	40 dBA
	Aircraft	24-hour period	NEF/NEP 5
Living/dining, den areas of residences, hospitals, nursing homes, etc. (except schools or daycare centres)	Road	23:00 to 07:00	45 dBA
	Rail	23:00 to 07:00	40 dBA
	Aircraft	24-hour period	NEF/NEP 5
Sleeping quarters	Road	07:00 to 23:00	45 dBA
	Rail	07:00 to 23:00	40 dBA
	Aircraft	24-hour period	NEF/NEP 0
Sleeping quarters	Road	23:00 to 07:00	40 dBA
	Rail	23:00 to 07:00	35 dBA
	Aircraft	24-hour period	NEF/NEP 0
Outdoor Living Areas	Road and Rail	07:00 to 23:00	55 dBA
Outdoor Point of Reception	Aircraft	24-hour period	NEF/NEP 30 [#]
	Stationary Source		
	Class 1 Area	07:00 to 19:00 ⁽¹⁾	50 ⁺ dBA
		19:00 to 23:00 ⁽¹⁾	50 ⁺ dBA
	Class 2 Area	07:00 to 19:00 ⁽²⁾	50 ⁺ dBA
		19:00 to 23:00 ⁽²⁾	45 ⁺ dBA
	Class 3 Area	07:00 to 19:00 ⁽³⁾	45 ⁺ dBA
	19:00 to 23:00 ⁽³⁾	40 ⁺ dBA	
Class 4 Area	07:00 to 19:00 ⁽⁴⁾	55 ⁺ dBA	
	19:00 to 23:00 ⁽⁴⁾	55 ⁺ dBA	

..../cont'd

SPACE	SOURCE	TIME PERIOD	CRITERION
Plane of a Window of Noise Sensitive Spaces	Stationary Source Class 1 Area	07:00 to 19:00 ⁽¹⁾	50 ⁺ dBA
		19:00 to 23:00 ⁽¹⁾	50 ⁺ dBA
		23:00 to 07:00 ⁽¹⁾	45 ⁺ dBA
	Class 2 Area	07:00 to 19:00 ⁽²⁾	50 ⁺ dBA
		19:00 to 23:00 ⁽²⁾	50 ⁺ dBA
		23:00 to 07:00 ⁽²⁾	45 ⁺ dBA
	Class 3 Area	07:00 to 19:00 ⁽³⁾	45 ⁺ dBA
		19:00 to 23:00 ⁽³⁾	45 ⁺ dBA
		23:00 to 07:00 ⁽³⁾	40 ⁺ dBA
	Class 4 Area	07:00 to 19:00 ⁽⁴⁾	60 ⁺ dBA
		19:00 to 23:00 ⁽⁴⁾	60 ⁺ dBA
		23:00 to 07:00 ⁽⁴⁾	55 ⁺ dBA

- # may not apply to in-fill or re-development.
 * or the minimum hourly background sound exposure $L_{eq(1)}$, due to road traffic, if higher.
 (1) Class 1 Area: Urban.
 (2) Class 2 Area: Urban during day; rural-like evening and night.
 (3) Class 3 Area: Rural.
 (4) Class 4 Area: Subject to land use planning authority's approval.

Reference: MECP Publication ISBN 0-7729-2804-5, 1987: "Environmental Noise Assessment in Land-Use Planning".

EXCESS ABOVE RECOMMENDED SOUND LEVEL LIMITS (dBA)	CHANGE IN SUBJECTIVE LOUDNESS ABOVE	MAGNITUDE OF THE NOISE PROBLEM	NOISE CONTROL MEASURES (OR ACTION TO BE TAKEN)
No excess (<55 dBA)	—	No expected noise problem	None
1 to 5 inclusive (56 to 60 dBA)	Noticeably louder	Slight noise impact	If no physical measures are taken, then prospective purchasers or tenants should be made aware by suitable warning clauses.
6 to 10 inclusive (61 - 65 dBA)	Almost twice as loud	Definite noise impact	Recommended.
11 to 15 inclusive (66 - 70 dBA)	Almost three times as loud	Serious noise impact	Strongly Recommended.
16 and over (>70 dBA)	Almost four times as loud	Very serious noise impact	Strongly Recommended (may be mandatory).

APPENDIX C

SAMPLE CALCULATIONS –

TRANSPORTATION NOISE SOURCES

STAMSON 5.04 NORMAL REPORT Date: 25-03-2024 16:02:19
MINISTRY OF ENVIRONMENT, CONSERVATION AND PARKS / NOISE ASSESSMENT

Filename: b1_wf.te Time Period: Day/Night 16/8 hours
Description: **Building 1 Northwest Corner West Facade**

Road data, segment # 1: Lundy (day/night)

Car traffic volume : 31200/2348 veh/TimePeriod *
Medium truck volume : 1965/148 veh/TimePeriod *
Heavy truck volume : 1930/145 veh/TimePeriod *
Posted speed limit : 50 km/h
Road gradient : 0 %
Road pavement : 1 (Typical asphalt or concrete)

* Refers to calculated road volumes based on the following input:

24 hr Traffic Volume (AADT or SADT): 23931
Percentage of Annual Growth : 2.00
Number of Years of Growth : 23.00
Medium Truck % of Total Volume : 5.60
Heavy Truck % of Total Volume : 5.50
Day (16 hrs) % of Total Volume : 93.00

Data for Segment # 1: Lundy (day/night)

Angle1 Angle2 : -90.00 deg 0.00 deg
Wood depth : 0 (No woods.)
No of house rows : 0 / 0
Surface : 2 (Reflective ground surface)
Receiver source distance : 21.00 / 21.00 m
Receiver height : 27.50 / 27.50 m
Topography : 1 (Flat/gentle slope; no barrier)
Reference angle : 0.00

Road data, segment # 2: QEW NB (day/night)

Car traffic volume : 34421/3404 veh/TimePeriod *
Medium truck volume : 1160/115 veh/TimePeriod *
Heavy truck volume : 3094/306 veh/TimePeriod *
Posted speed limit : 100 km/h
Road gradient : 0 %
Road pavement : 1 (Typical asphalt or concrete)

* Refers to calculated road volumes based on the following input:

24 hr Traffic Volume (AADT or SADT): 42500
Percentage of Annual Growth : 0.00
Number of Years of Growth : 0.00
Medium Truck % of Total Volume : 3.00
Heavy Truck % of Total Volume : 8.00
Day (16 hrs) % of Total Volume : 91.00

Data for Segment # 2: QEW NB (day/night)

Angle1 Angle2 : -90.00 deg 90.00 deg
Wood depth : 0 (No woods.)
No of house rows : 0 / 0
Surface : 1 (Absorptive ground surface)
Receiver source distance : 152.00 / 152.00 m
Receiver height : 27.50 / 27.50 m
Topography : 1 (Flat/gentle slope; no barrier)
Reference angle : 0.00

Road data, segment # 3: QEW SB (day/night)

Car traffic volume : 34421/3404 veh/TimePeriod *
Medium truck volume : 1160/115 veh/TimePeriod *
Heavy truck volume : 3094/306 veh/TimePeriod *
Posted speed limit : 100 km/h
Road gradient : 0 %
Road pavement : 1 (Typical asphalt or concrete)

* Refers to calculated road volumes based on the following input:

24 hr Traffic Volume (AADT or SADT): 42500
Percentage of Annual Growth : 0.00
Number of Years of Growth : 0.00
Medium Truck % of Total Volume : 3.00
Heavy Truck % of Total Volume : 8.00
Day (16 hrs) % of Total Volume : 91.00

Data for Segment # 3: QEW SB (day/night)

Angle1 Angle2 : -90.00 deg 90.00 deg
Wood depth : 0 (No woods.)
No of house rows : 0 / 0
Surface : 1 (Absorptive ground surface)
Receiver source distance : 169.00 / 169.00 m
Receiver height : 27.50 / 27.50 m
Topography : 1 (Flat/gentle slope; no barrier)
Reference angle : 0.00

Results segment # 1: Lundy (day)

Source height = 1.53 m

ROAD (0.00 + 68.16 + 0.00) = 68.16 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	0	0.00	72.63	0.00	-1.46	-3.01	0.00	0.00	0.00	68.16

Segment Leq : 68.16 dBA

Results segment # 2: QEW NB (day)

Source height = 1.68 m

ROAD (0.00 + 69.36 + 0.00) = 69.36 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	90	0.00	79.42	0.00	-10.06	0.00	0.00	0.00	0.00	69.36

Segment Leq : 69.36 dBA

Results segment # 3: QEW SB (day)

Source height = 1.68 m

ROAD (0.00 + 68.90 + 0.00) = 68.90 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	90	0.00	79.42	0.00	-10.52	0.00	0.00	0.00	0.00	68.90

Segment Leq : 68.90 dBA

Total Leq All Segments: 73.61 dBA

Results segment # 1: Lundy (night)

Source height = 1.53 m

ROAD (0.00 + 59.93 + 0.00) = 59.93 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	0	0.00	64.40	0.00	-1.46	-3.01	0.00	0.00	0.00	59.93

Segment Leq : 59.93 dBA

Results segment # 2: QEW NB (night)

Source height = 1.68 m

ROAD (0.00 + 62.33 + 0.00) = 62.33 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	90	0.00	72.39	0.00	-10.06	0.00	0.00	0.00	0.00	62.33

Segment Leq : 62.33 dBA

Results segment # 3: QEW SB (night)

Source height = 1.68 m

ROAD (0.00 + 61.87 + 0.00) = 61.87 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	90	0.00	72.39	0.00	-10.52	0.00	0.00	0.00	0.00	61.87

Segment Leq : 61.87 dBA

Total Leq All Segments: 66.27 dBA

TOTAL Leq FROM ALL SOURCES (DAY): 73.61
(NIGHT): 66.27

APPENDIX D

ARCHITECTURAL DRAWINGS



1 Proposed Site Plan
PR1 1:400



3D VIEW LOOKING SOUTH EAST

SITE STATISTICS

	Area ft²	Area m²
Lot Area	908,503 ft ²	84,400 m ²
Development Area	79,014.85 ft ²	7552.95 m ²
Proposed Building Area	27,674.92 ft ²	2571 m ²
Proposed Building Coverage	+/- 35.02%	

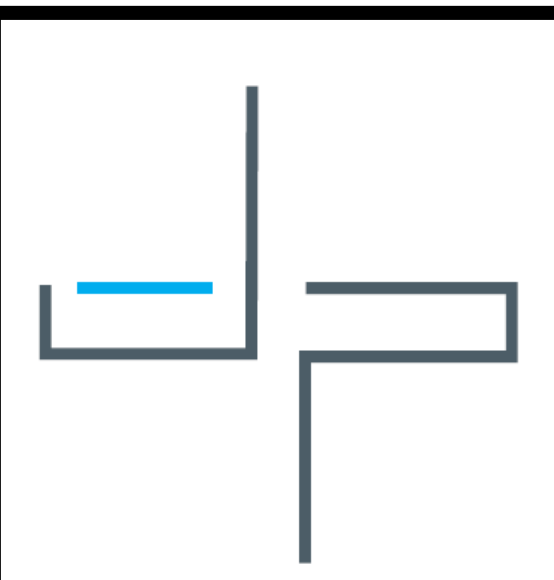
ZONING MATRIX

REGULATIONS	TC	SUBJECT LANDS
Min Lot Frontage	6 m	64.34 m
Min Front Yard	0 m	5.49 m
Min Interior Side Yard	3m abutting Res. or open space	7.0 m
Min Exterior Side Yard	7.5 m	N/A
Min Rear Yard	10m	291.15 m
Max Lot Coverage	70 %	+/- 35.02 %
Max Building Height	12 m (8 Storeys)	29 m (9 storeys)
Min Landscaped Area	55% of the Lot Area	2097.63 m ² = 27.8%
Parking and Access Requirements	In accordance with 4.19.1	71 Spaces + 3 Barrier Free
Bicycle Storage and parking	In accordance with 4.39	26 Long-term spaces 12 Short-term spaces
Loading Spaces	In accordance with 4.20.1 2 + 1 per 9300m ² > 9300m ² = 4 spaces	2 loading spaces provided

2 - 9 STOREY BUILDINGS 25 UNITS /BUILDING 50 UNITS TOTAL

BUILDING 1			BUILDING 2		
GND. FLR.	LOBBY	1725 SFT	GND. FLR.	LOBBY	1128 SFT
	UNIT 1	3494 SFT		UNIT 1	2029 SFT
	UNIT 2	3462 SFT		UNIT 2	2029 SFT
	UNIT 3	2507 SFT		UNIT 3	2699 SFT
	UNIT 4	2507 SFT		UNIT 4	3128 SFT
FLR. 2 & 3	UNIT 1	7446 SFT	FLR. 2&3	UNIT 1	2586 SFT
	UNIT 2	3026SFT		UNIT 2	2058 SFT
	UNIT 3	2507SFT		UNIT 3	6216 SFT
FLR. 4-6	UNIT 1	5727 SFT	FLR. 4-6	UNIT 1	2181 SFT
	UNIT 2	2686 SFT		UNIT 2	1685 SFT
	UNIT 3	2199 SFT		UNIT 3	4275 SFT
FLR. 7-9	UNIT 1	4042 SFT	FLR. 7-9	UNIT 1	3625 SFT
	UNIT 2	4554 SFT		UNIT 2	3069 SFT
Building 1 GFA	112,447.77 SFT (10,446.74 m ²)		Building 2 GFA	91,860.07 SFT (8,534.08 m ²)	

Note: Site Information Based on Plan of Survey Part of Township Lots 141,148 & 157 Geographic Township of Stamford By J.D. Barnes Limited Dated February 15, 2022



JASON PIZZICARELLA DESIGN - ARCHITECTS INC
209 RIDGE ROAD N
RIDGEWAY, ONTARIO, L0S 1N0
T. 905-894-8300
e-mail jpizzicarella@jpdesign.ca
CERTIFICATE OF PRACTICE : # 4053

1000462328 Ontario Limited (Anthony Menechella)

7230 Lundy's Lane Niagara Falls, ON

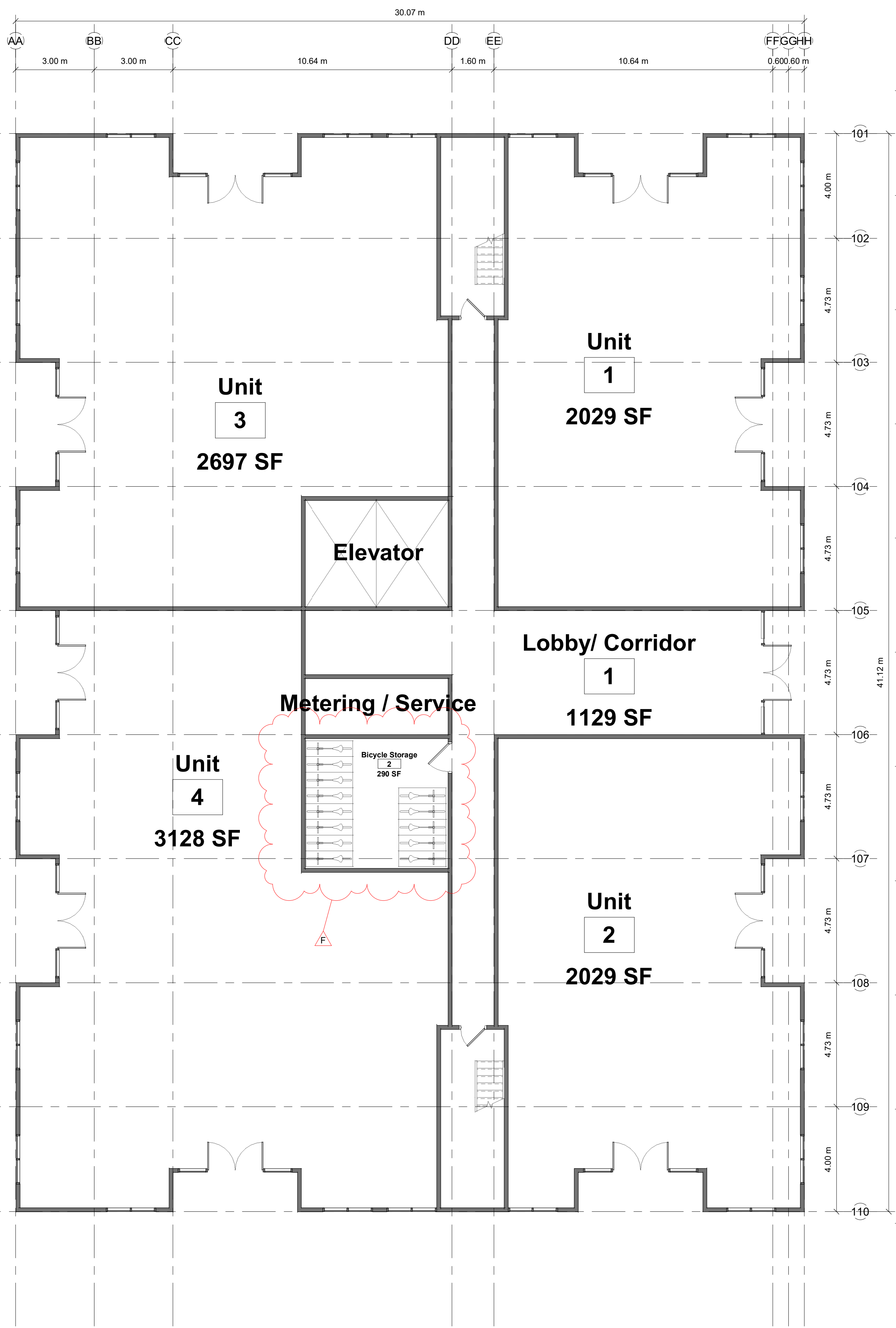
No.	Description	Date
B	Re-issued For Pre-Con	2023-1-10
C	Issued For Discussion	2023-04-17
D	Issued For Discussion	2023-04-27
E	Issued For Discussion	2024-01-31
F	revised 7th floor terrace dimension	2024-02-29
G	Revised Project Information	2024-05-15

Planning

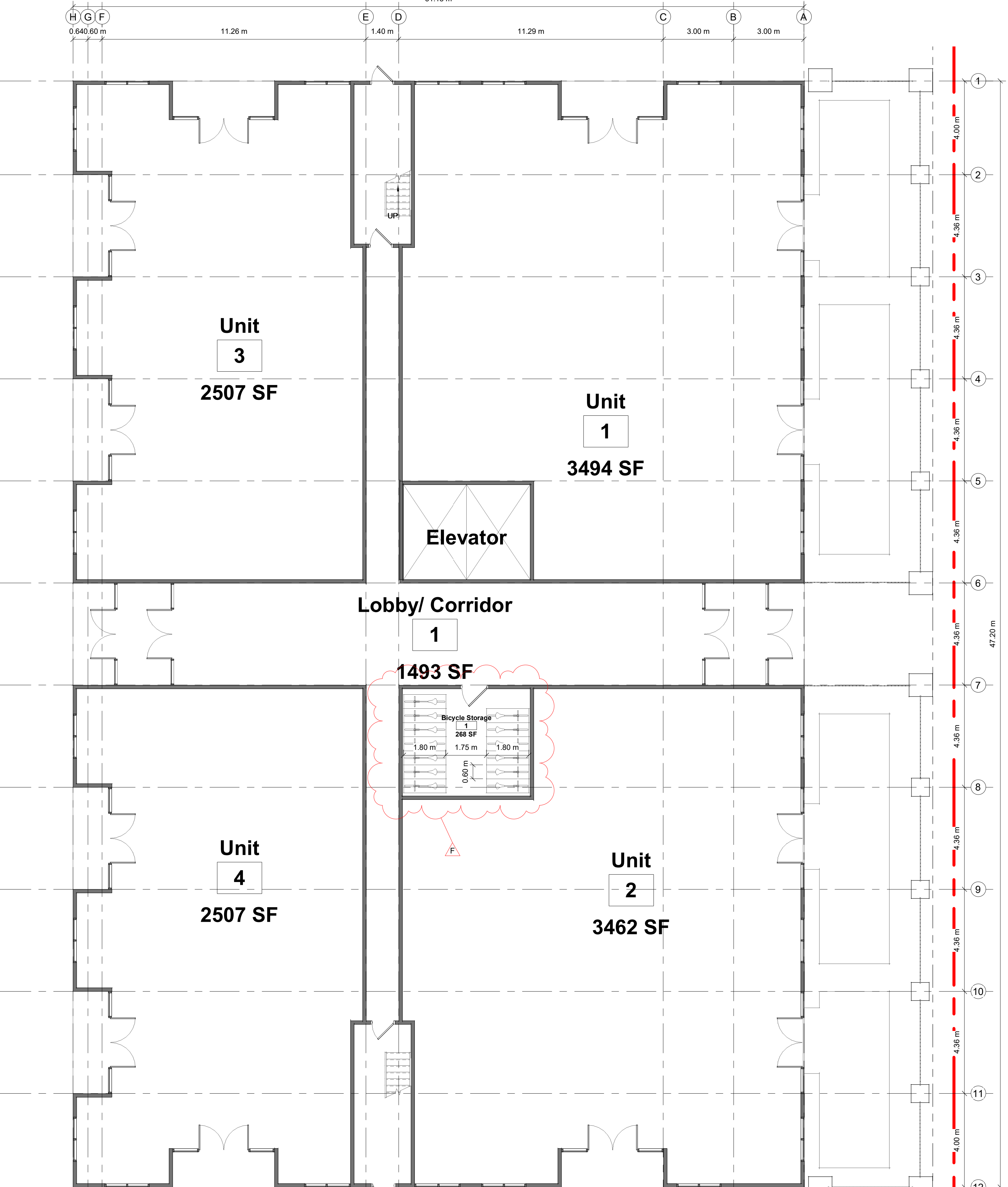
SHEET TITLE:

Proposed Site Plan

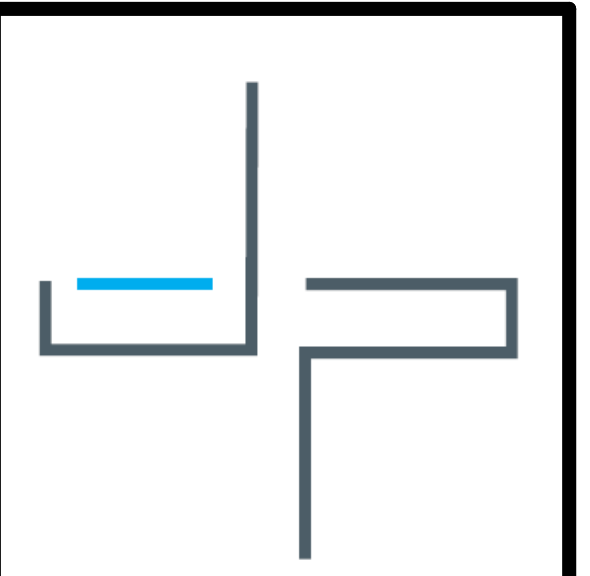
DRAWN BY: J.D.B.	DATE: 2024-05-15
SCALE: As indicated	P.L.# 5:22:27
	JOB #: 22105
SHEET NO:	PR1



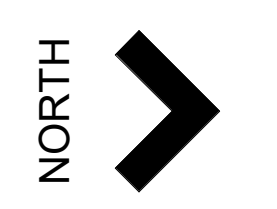
1 GROUND FLOOR LEVEL - BLDG 2
PR2 1:100



2 GROUND FLOOR LEVEL - BLDG 1
PR2 1:100



JASON PIZZICARELLA DESIGN - ARCHITECTS INC
209 RIDGE ROAD N
RIDGWAY, ONTARIO, L0S 1N0
T. 905-894-8300
e-mail jpizzicarella@jpdesign.ca
CERTIFICATE OF PRACTICE : # 4053



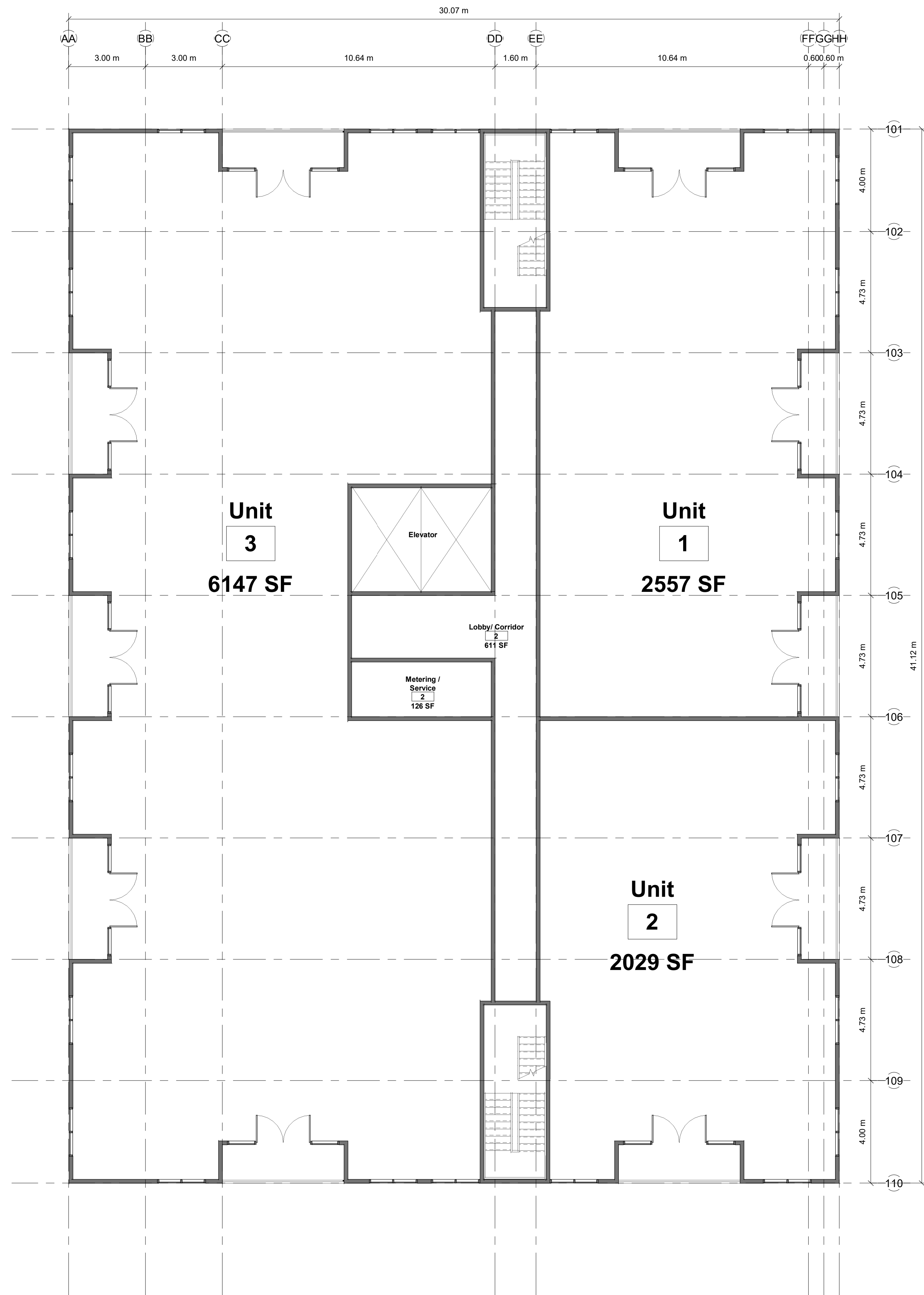
1000462328 Ontario Limited (Anthony Menechella)
7230 Lundy's Lane Niagara Falls, ON

No.	Description	Date
A	Issued For Pre-Con.	2023-1-05
B	Re-issued For Pre-Con	2023-1-10
D	Issued For Discussion	2023-04-27
E	Issued For Discussion	2024-01-31
F	revised 7th floor terrace dimension	2024-02-29
G	Revised Project Information	2024-05-15

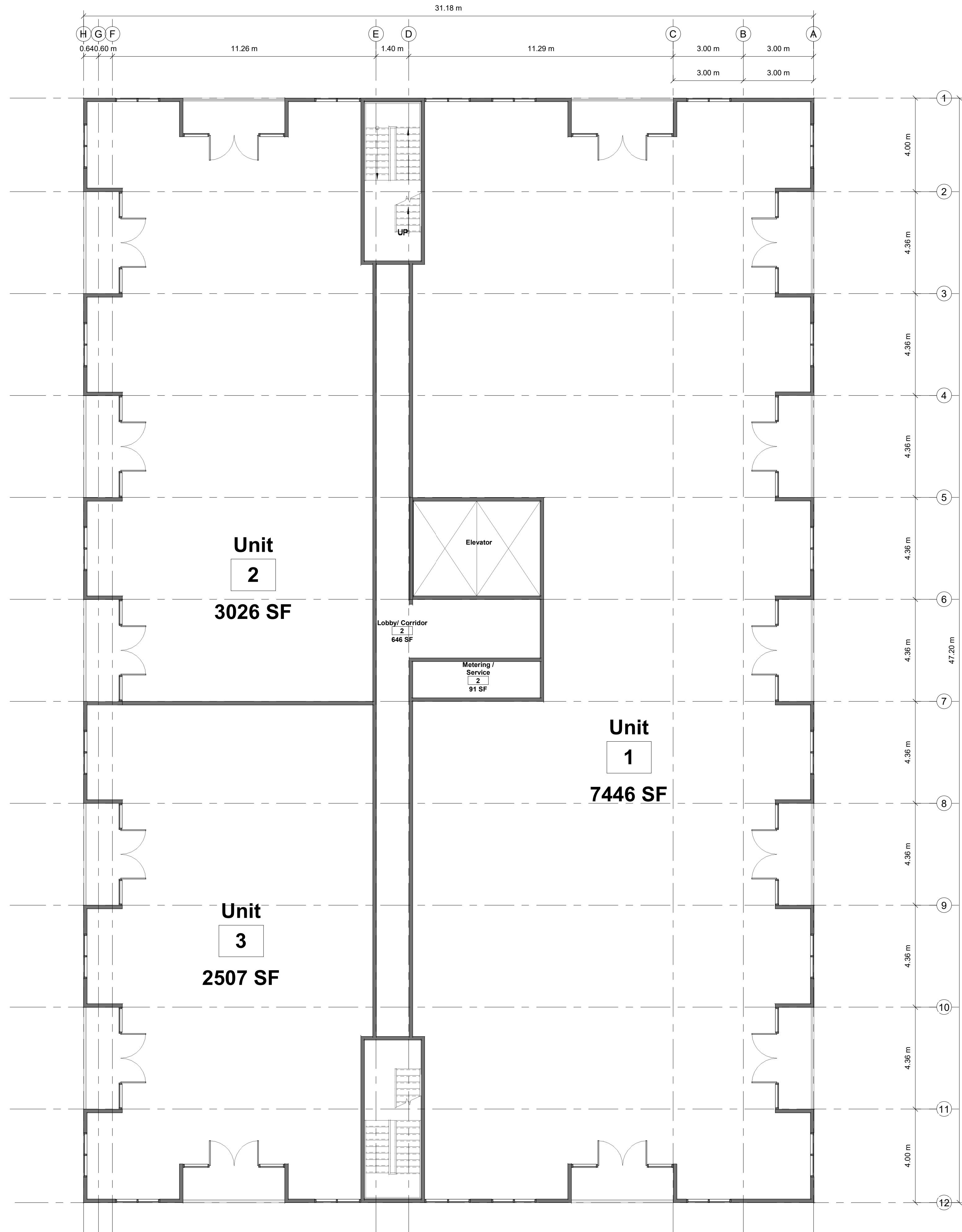
Planning

SHEET TITLE:
Proposed Plan - Ground Floor

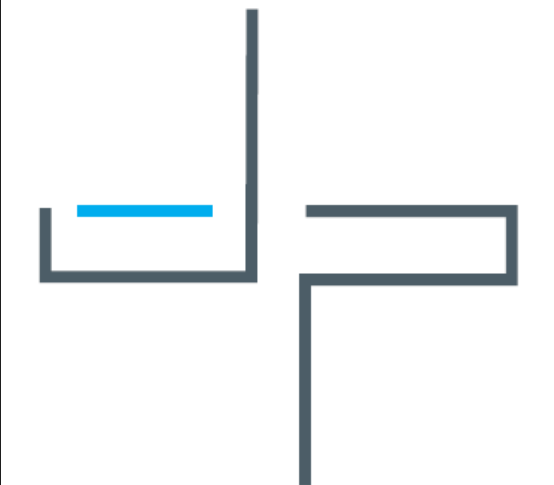
DRAWN BY: *Author* DATE: 2024-05-15
SCALE: 1:100 JOB #: 22105
SHEET NO. PR2



2 SECOND FLOOR LEVEL - BLDG 2
PR2a 1:100



1 SECOND FLOOR LEVEL BLDG 1
PR2a 1:100



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CERTIFICATE OF PRACTICE : # 4053



1000462328 Ontario Limited (Anthony Menechella)

7230 Lundy's Lane Niagara Falls, ON

No.	Description	Date
A	Issued For Pre-Con.	2023-1-05
B	Re-issued For Pre-Con	2023-1-10
D	Issued For Discussion	2023-04-27
E	Issued For Discussion	2024-01-31
F	revised 7th floor terrace dimension	2024-02-29
G	Revised Project Information	2024-05-15

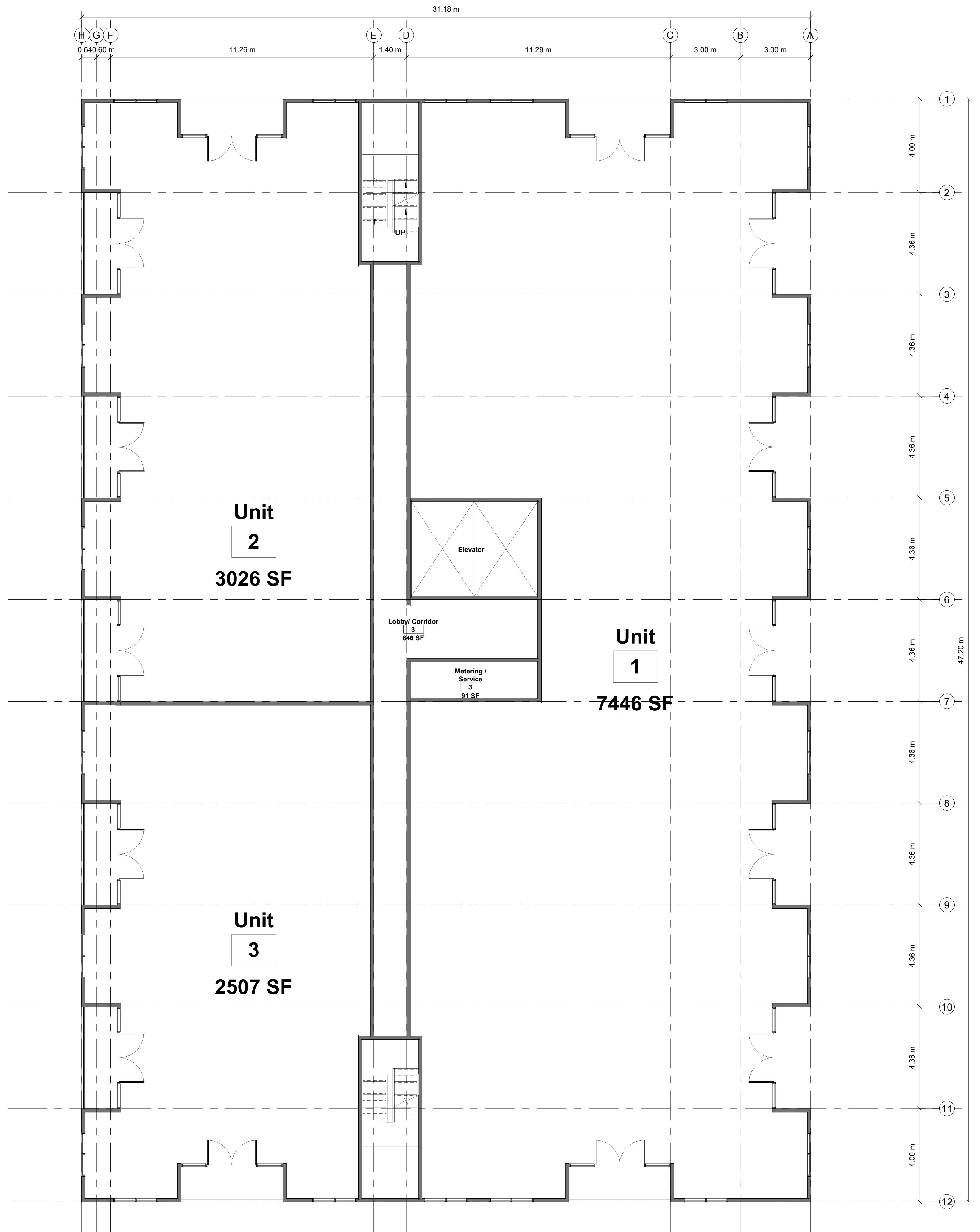
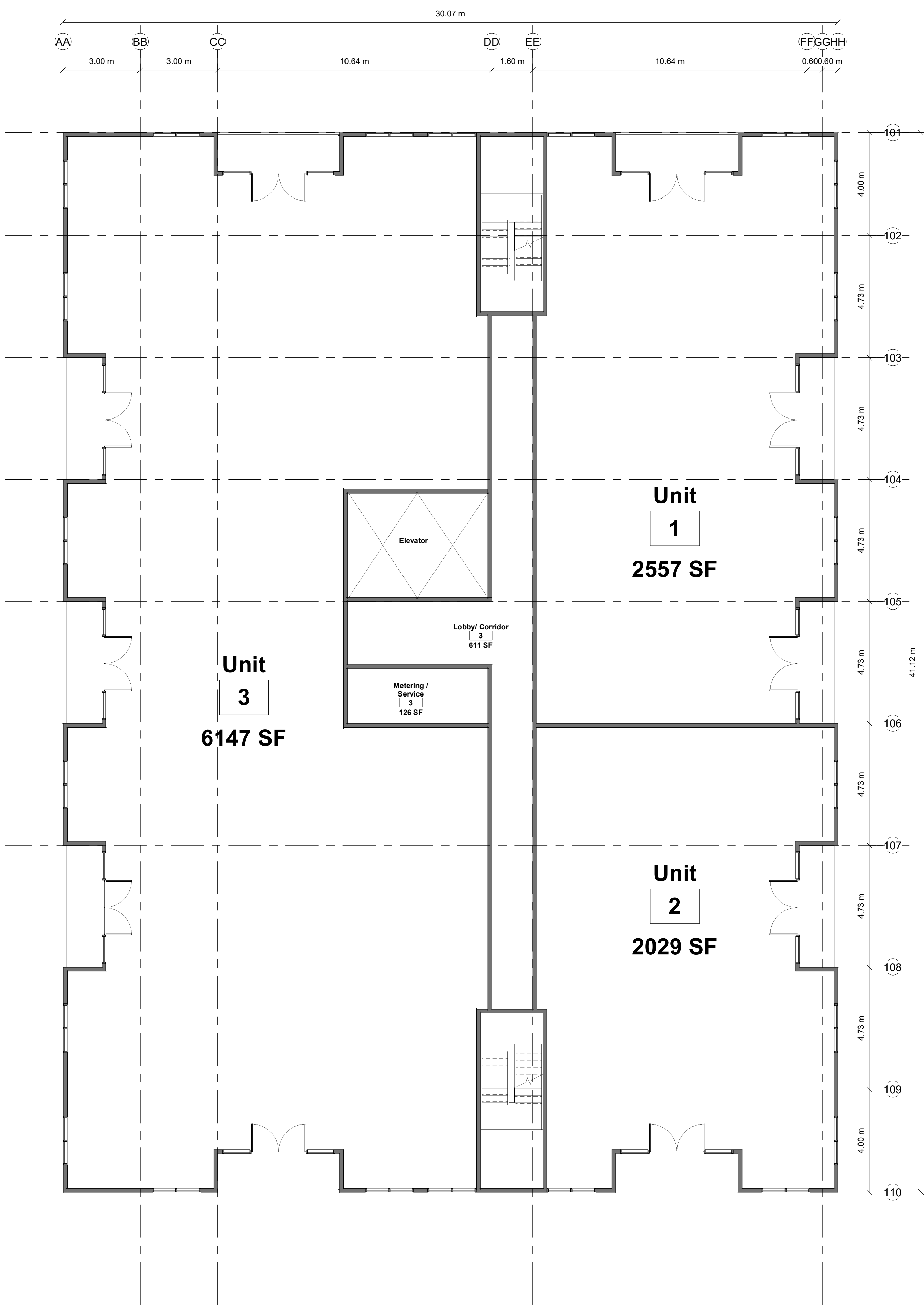
Planning

SHEET TITLE:

Proposed Plan - Second Floor

DRAWN BY: *Author* DATE: 2024-05-15
SCALE: 1:100 JOB #: 22105

SHEET NO. PR2a



2 THIRD FLOOR LEVEL - BLDG 2
PR2b 1:100

1 THIRD FLOOR LEVEL - BLDG 1
PR2b 1:100



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G	Revised Project Information	2024-05-15

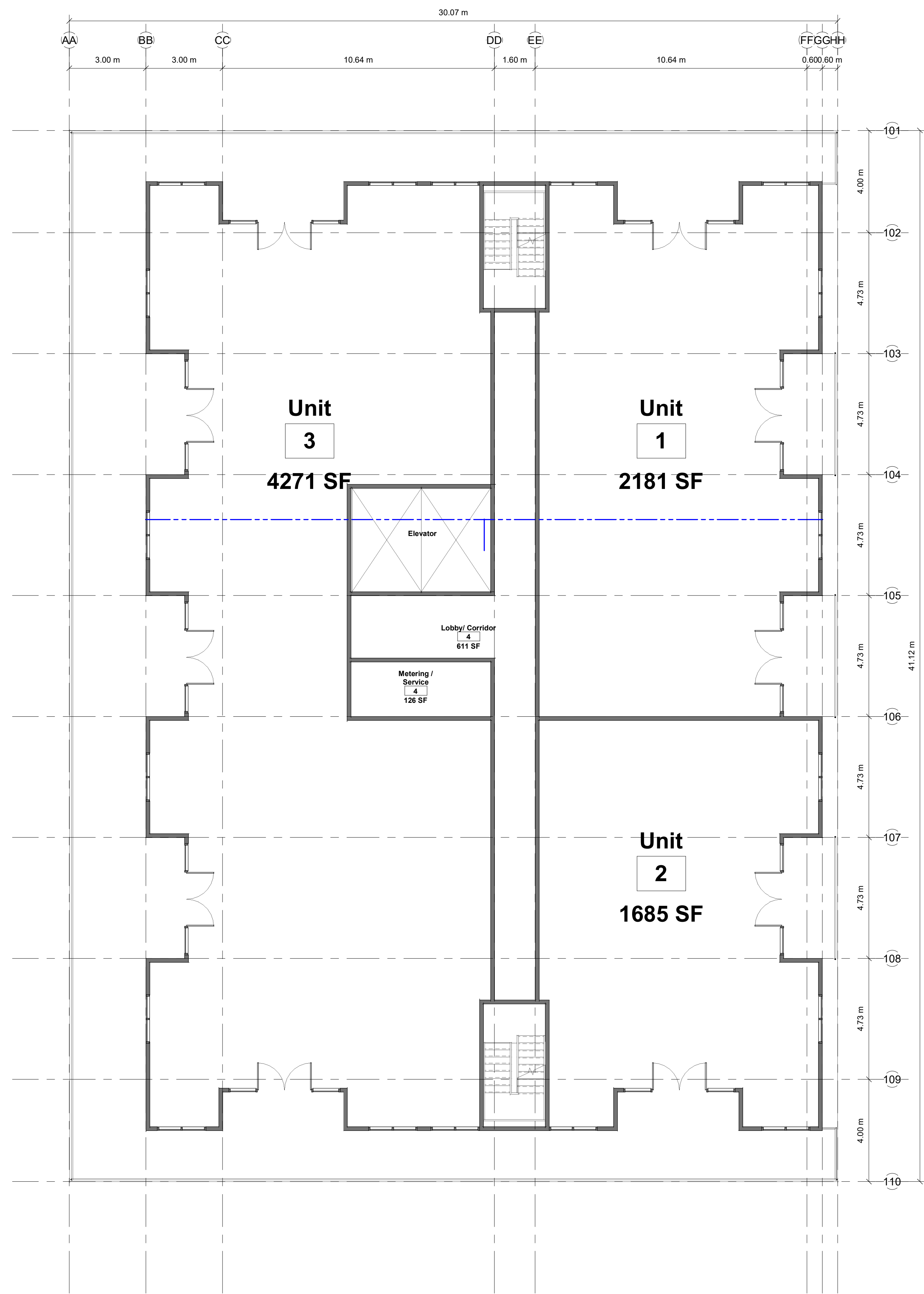
Planning

SHEET TITLE:

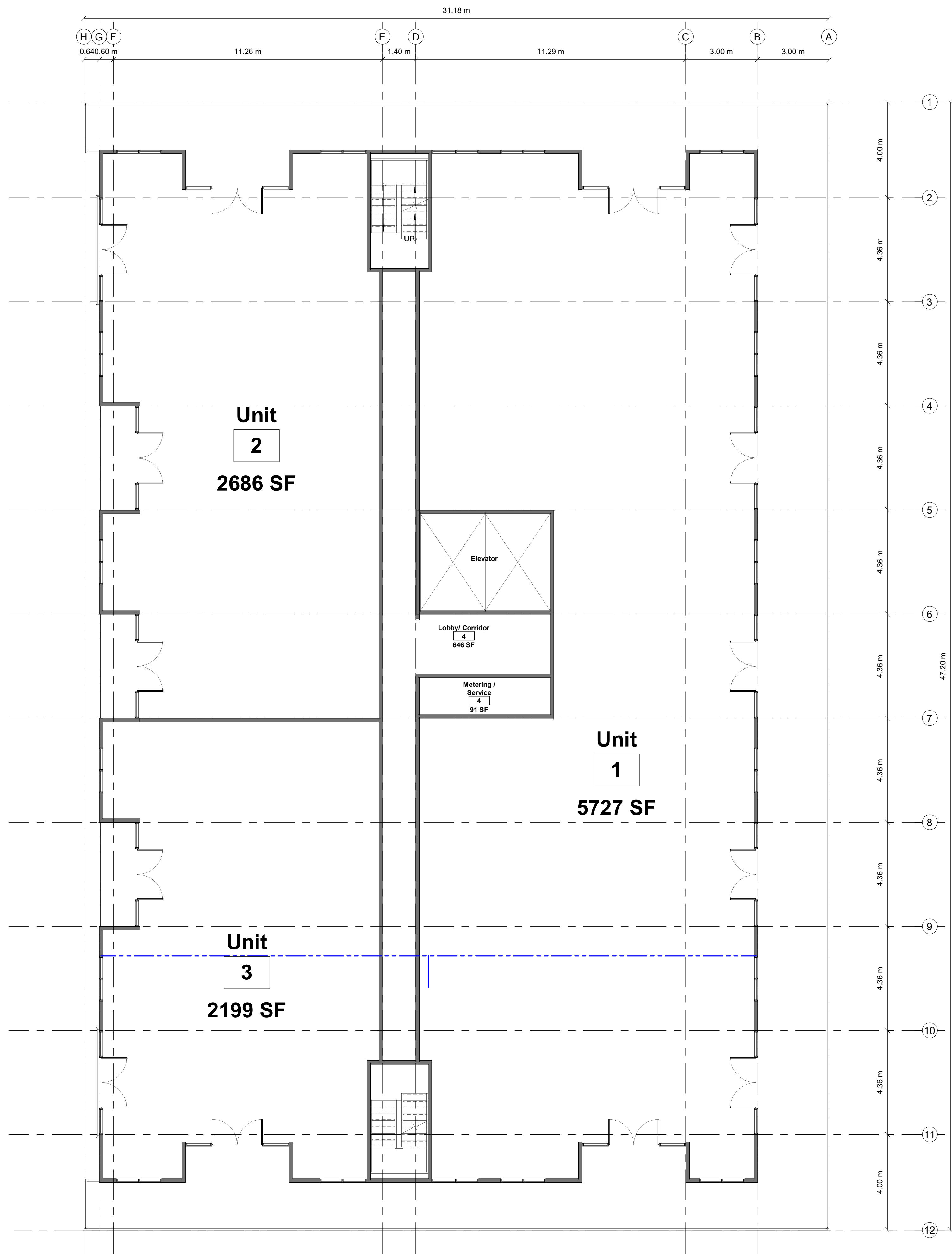
Proposed Plan - 3rd
Floor

DRAWN BY: *Author* DATE: 2024-05-15
SCALE: 1:100 JOB #: 22105

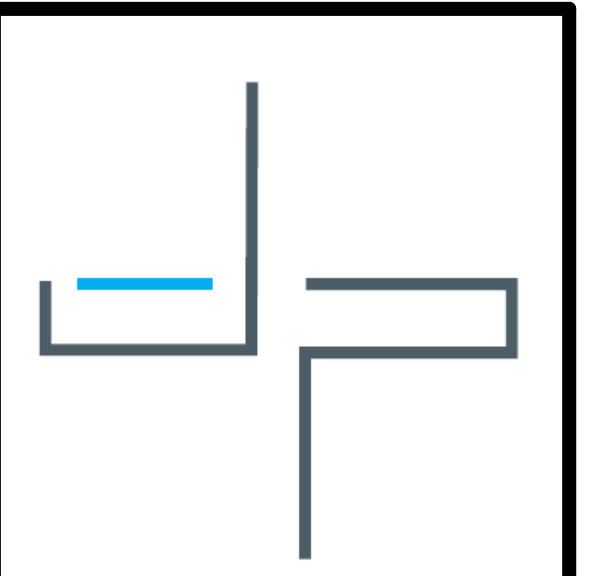
SHEET NO. PR2b



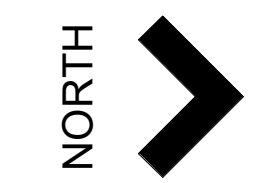
2 FOURTH FLOOR LEVEL - BLDG 2
PR2c 1:100



1 FOURTH FLOOR LEVEL - BLDG 1
PR2c 1:100



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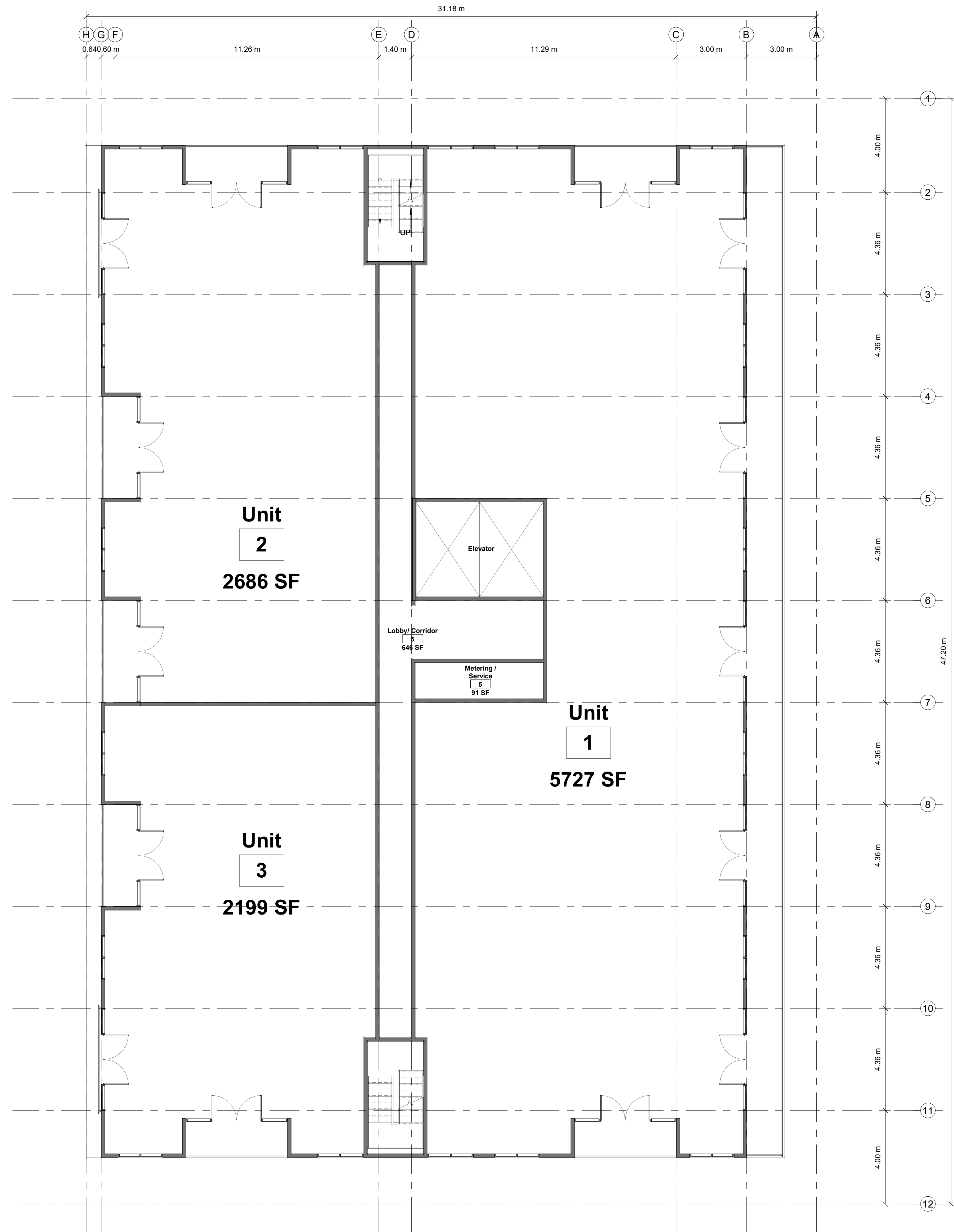
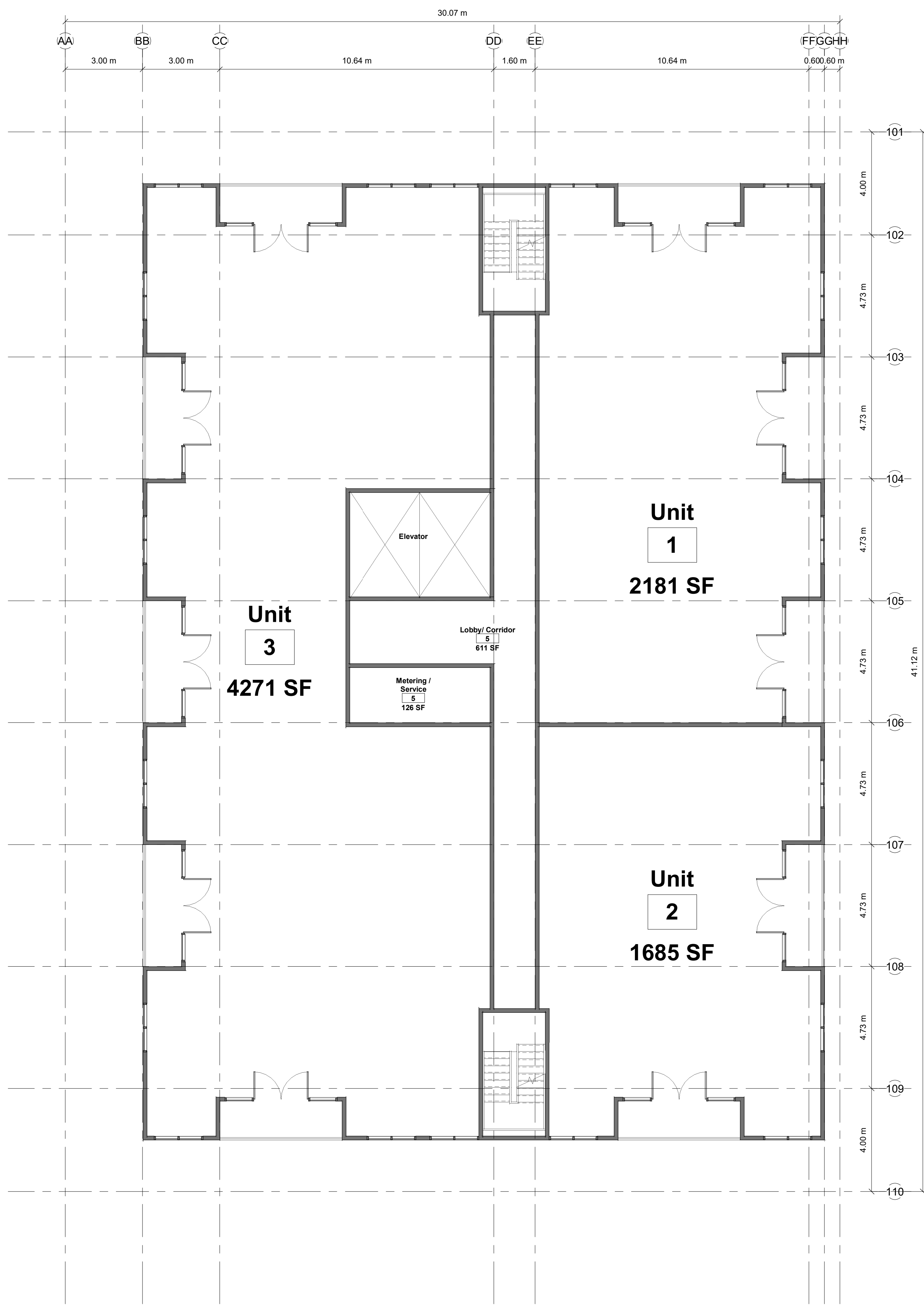
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7230 Lundy's Lane Niagara Falls, ON

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Planning

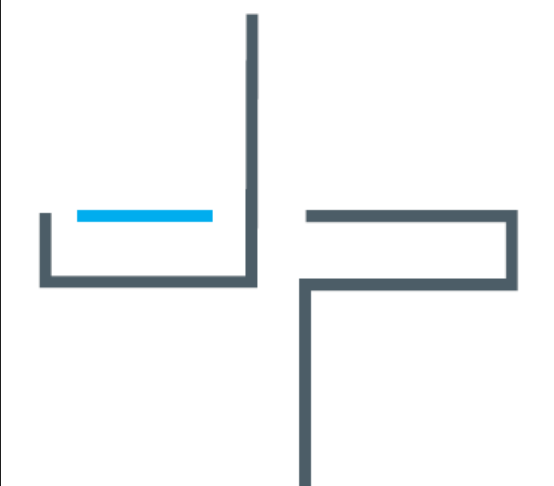
SHEET TITLE:
Proposed Plans - 4th Floor

DRAWN BY: *Author* DATE: 2024-05-15
SCALE: 1:100 JOB #: 22105
SHEET NO. PR2c



2 FIFTH FLOOR LEVEL - BLDG 2
PR2d 1:100

1 FIFTH FLOOR LEVEL - BLDG 1
PR2d 1:100



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G	Revised Project Information	2024-05-15

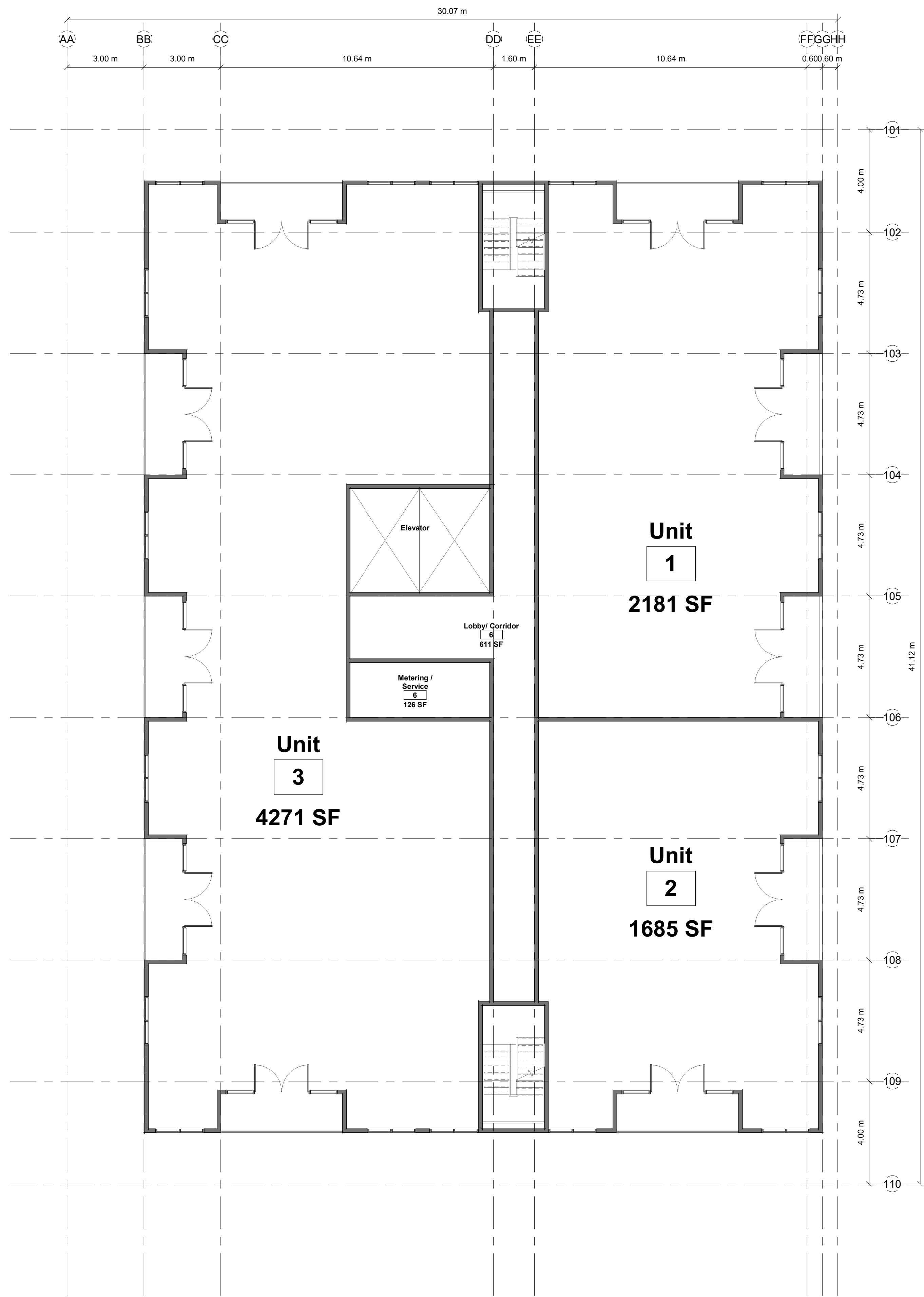
Planning

SHEET TITLE:

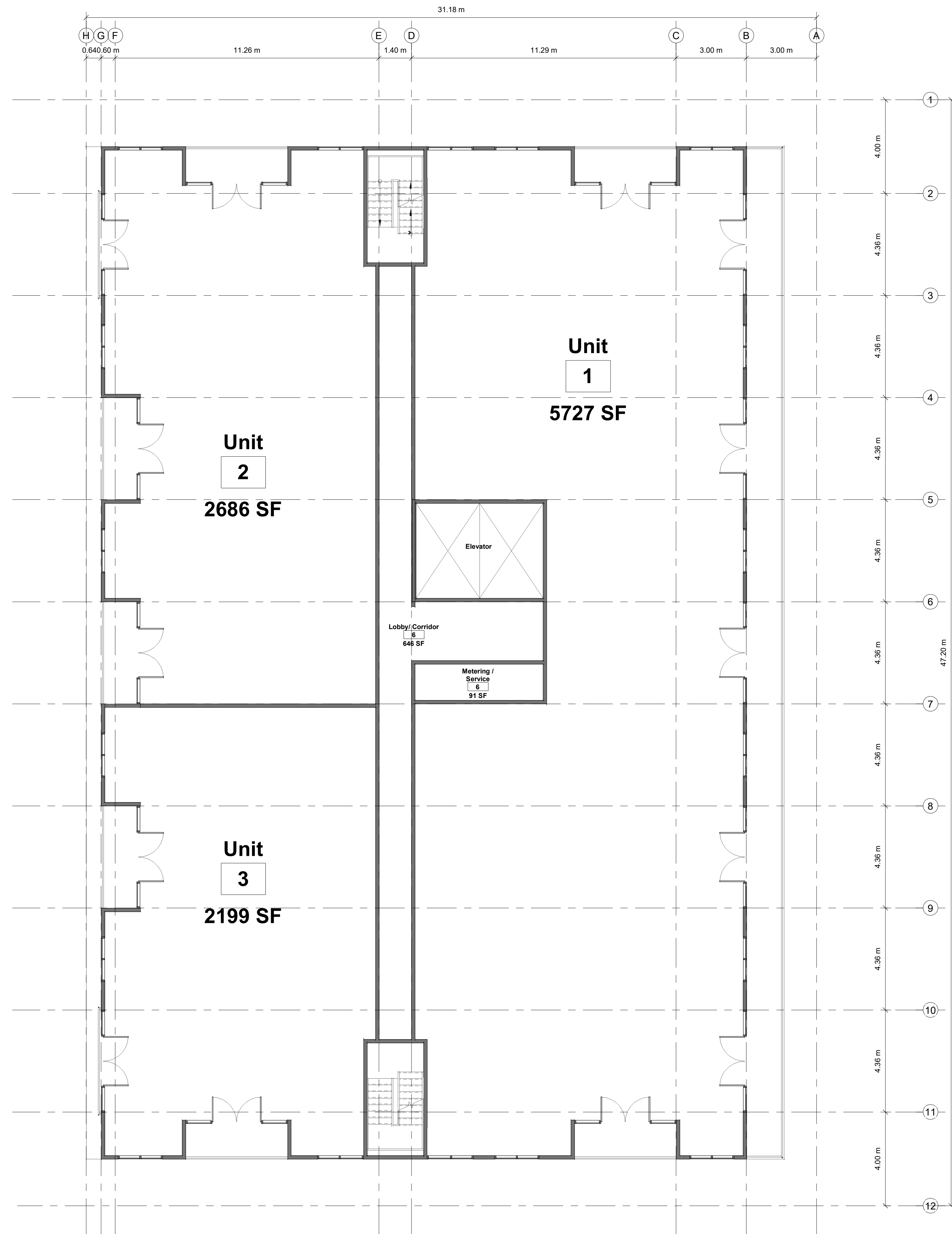
Proposed Plans - 5th Floor

DRAWN BY: *Author* DATE: 2024-05-15
SCALE: 1:100 JOB #: 22105

SHEET NO. PR2d



2 SIXTH FLOOR LEVEL - BLDG 2
PR2e 1:100



1 SIXTH FLOOR LEVEL - BLDG 1
PR2e 1:100



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G	Revised Project Information	2024-05-15

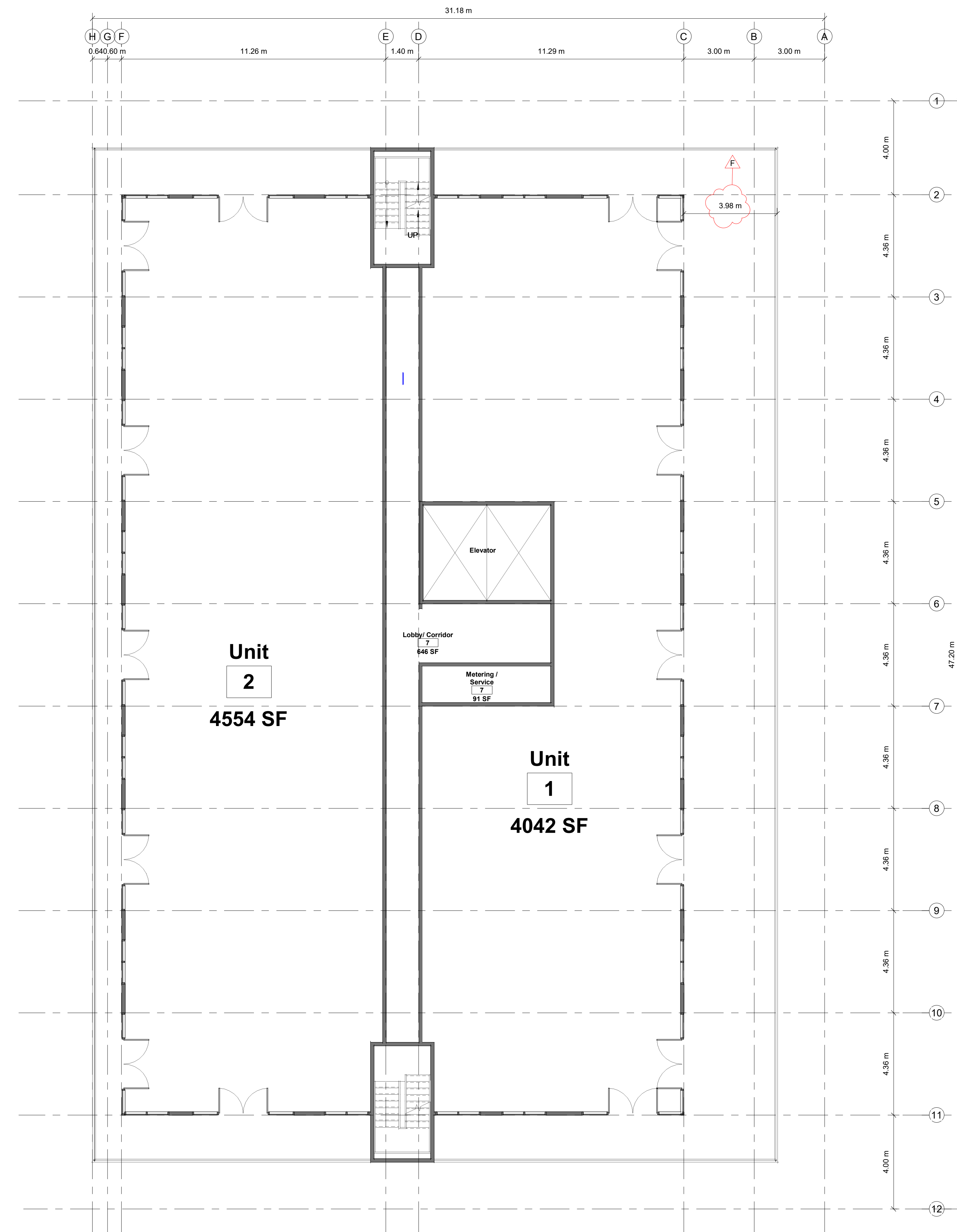
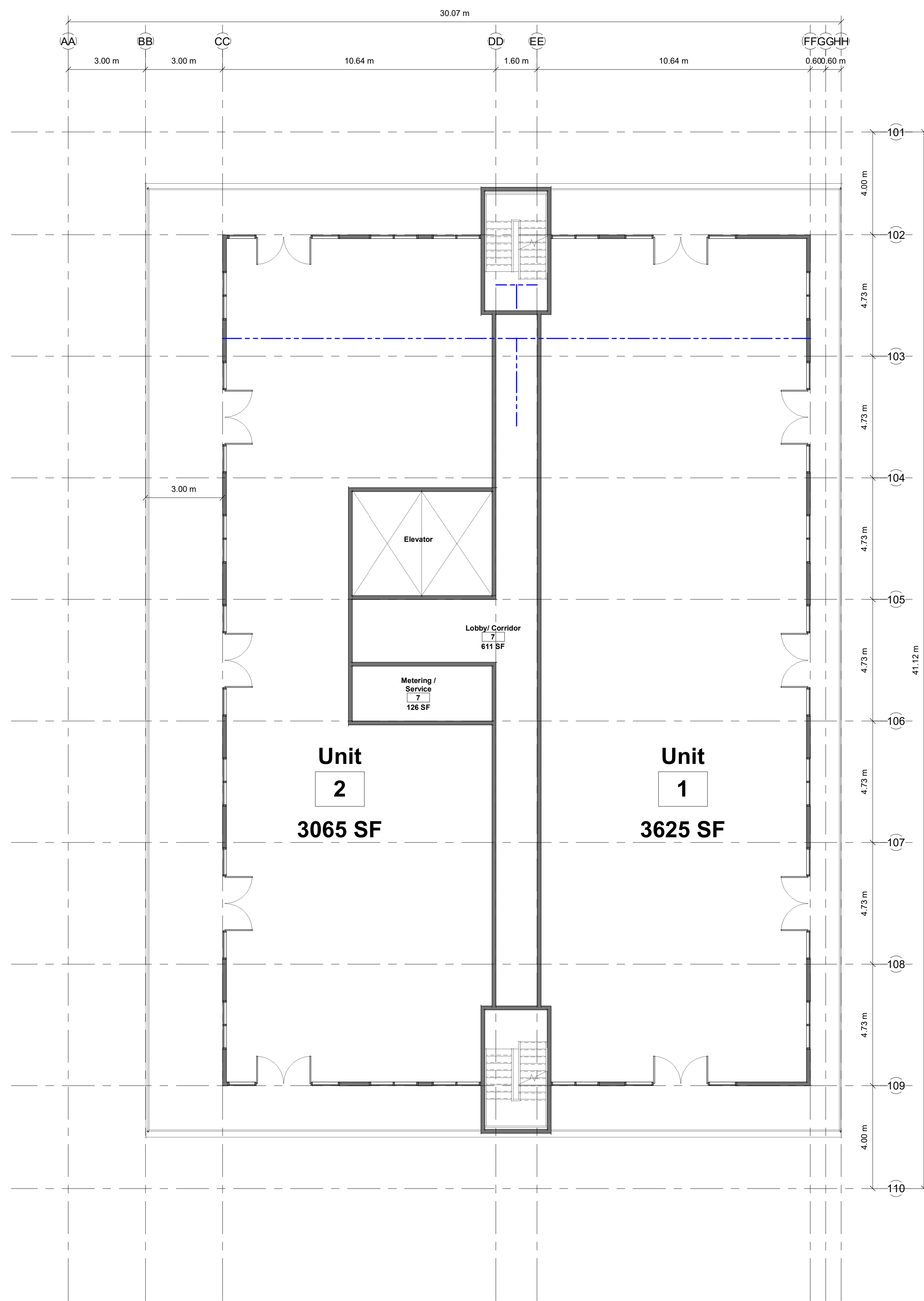
Planning

SHEET TITLE:

Proposed Plans - 6th
Floor

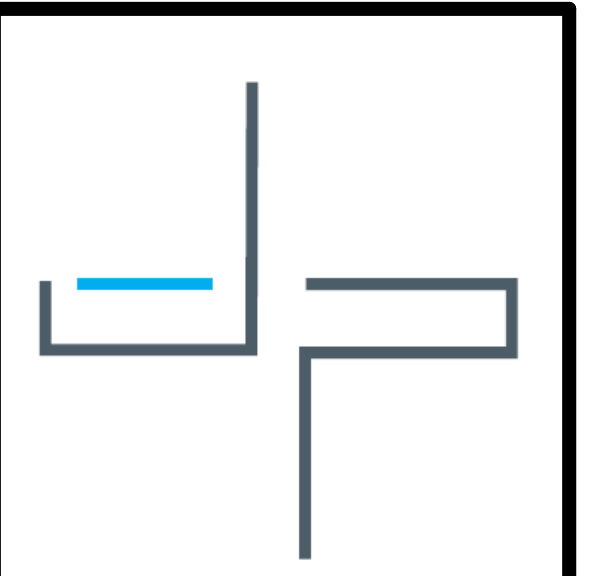
DRAWN BY: *Author* DATE: 2024-05-15
SCALE: 1:100 JOB #: 22105

SHEET NO. PR2e



2 SEVENTH FLOOR LEVEL - BLDG 2
PR2f 1:100

1 SEVENTH FLOOR LEVEL - BLDG 1
PR2f 1:100



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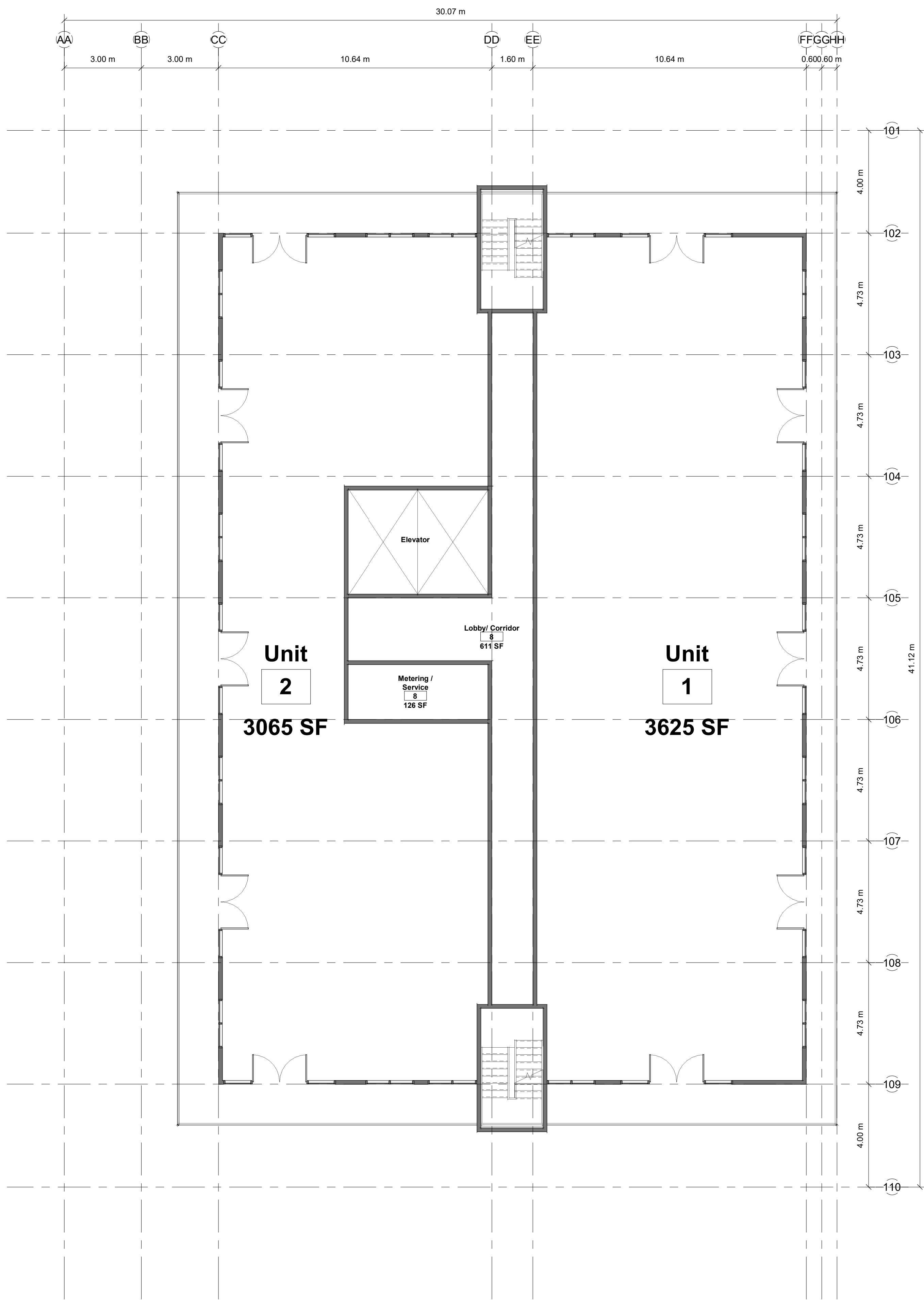
Planning

SHEET TITLE:

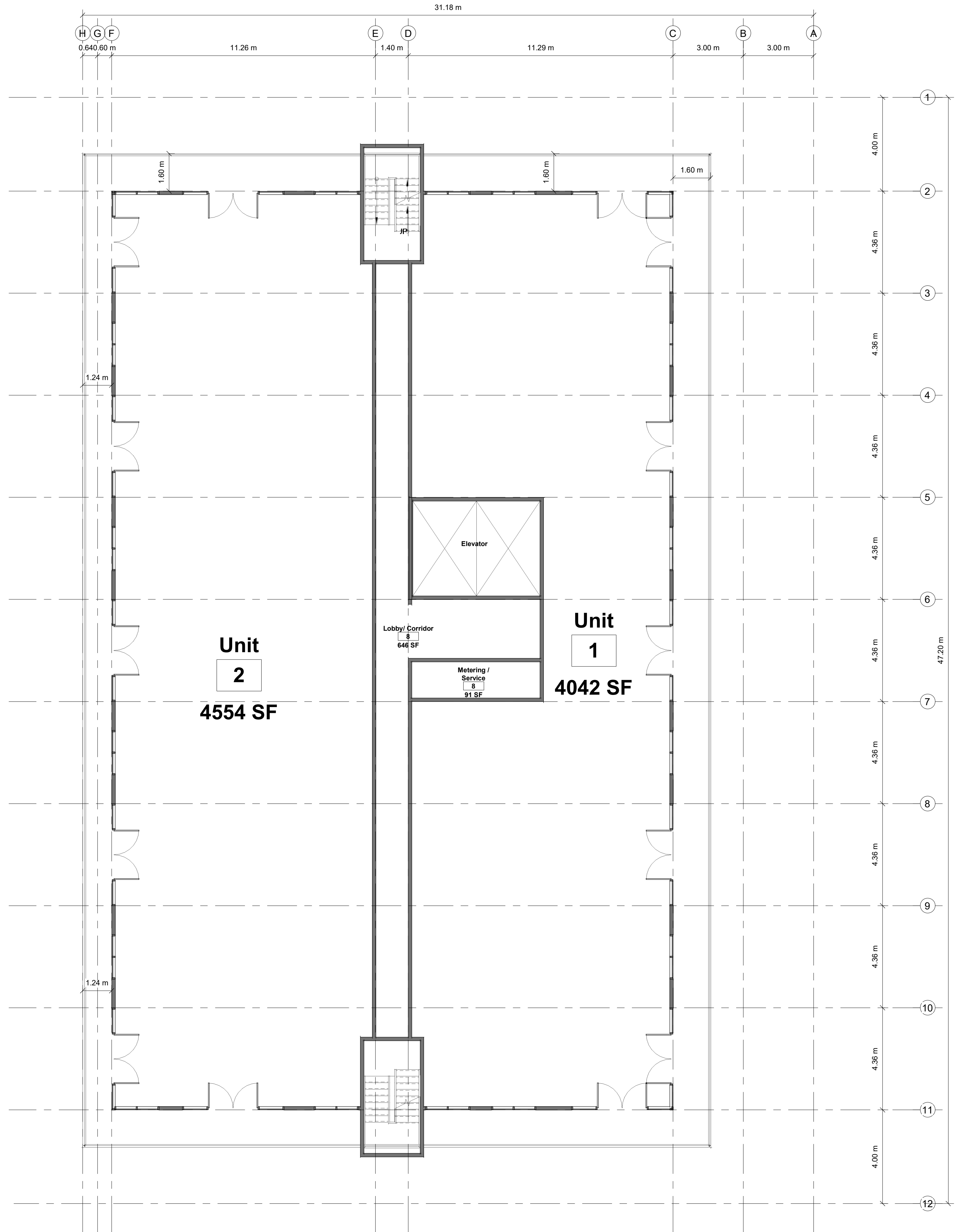
Proposed Plans - 7th Floor

DRAWN BY: *Author* DATE: 2024-05-15
SCALE: 1:100 JOB #: 22105

SHEET NO. PR2f



2 EIGHTH FLOOR LEVEL - BLDG 2
PR2g 1:100



1 EIGHTH FLOOR LEVEL - BLDG 1
PR2g 1:100



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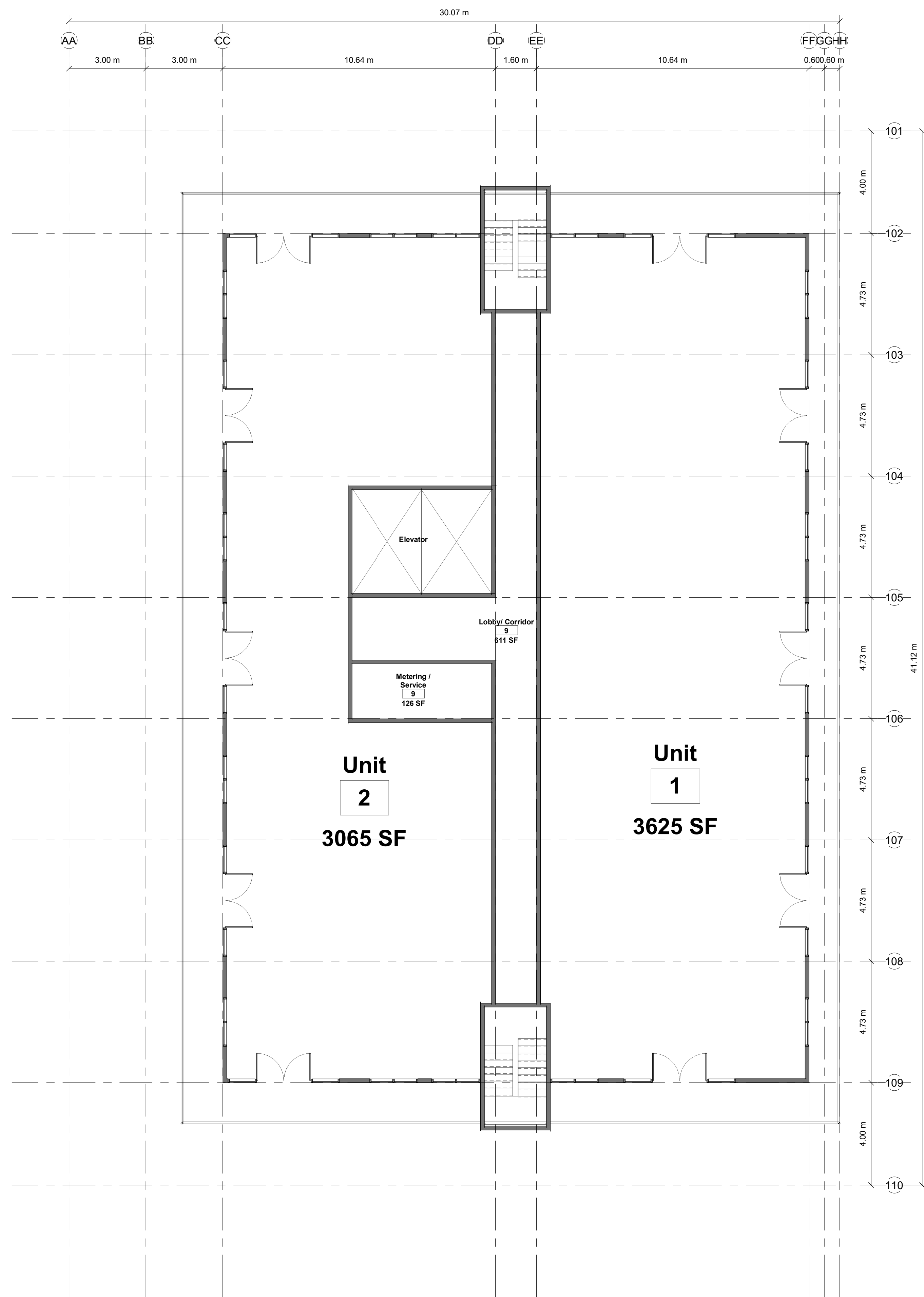
Planning

SHEET TITLE:

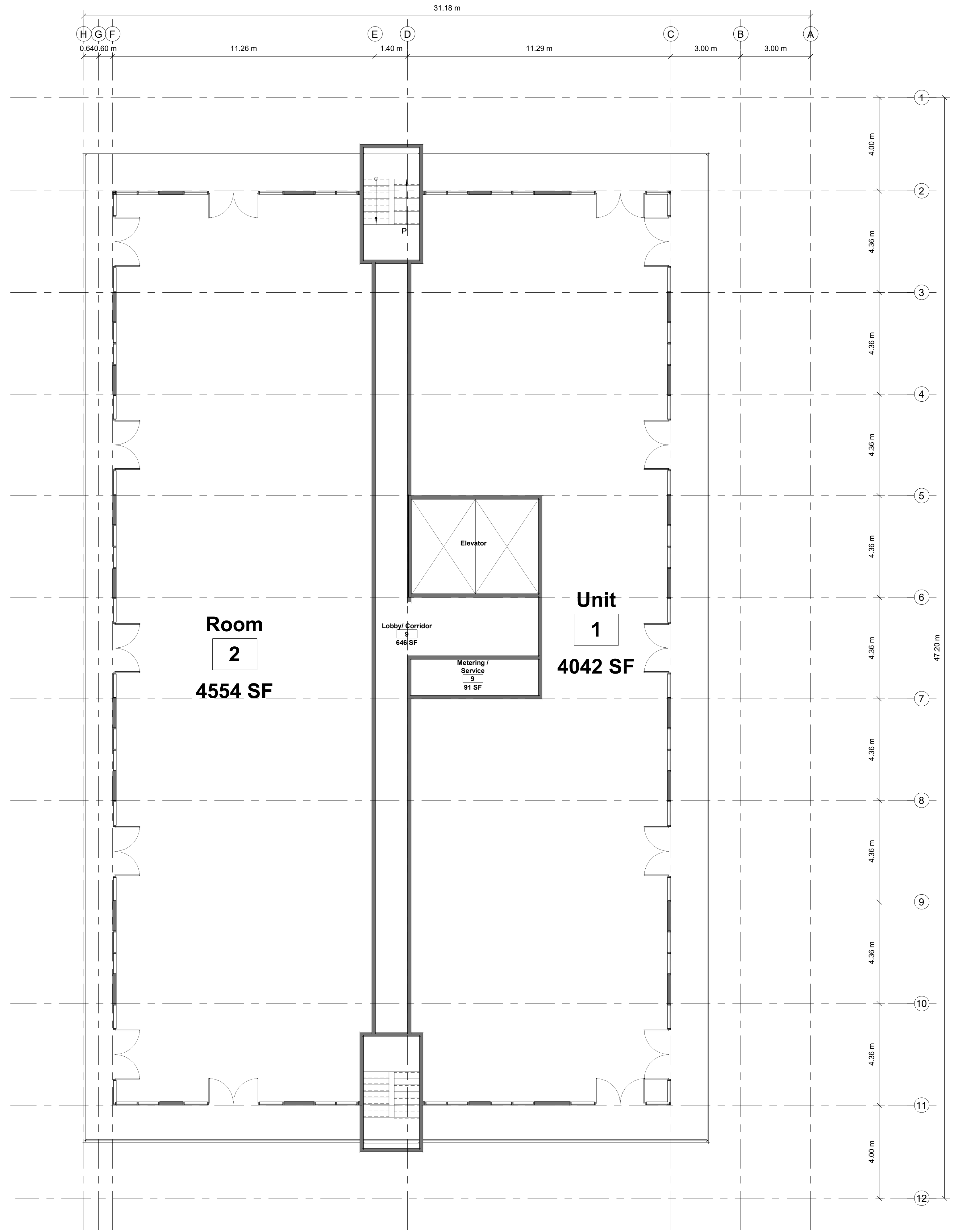
Proposed Plans - 8th
Floor

DRAWN BY: *Author* DATE: 2024-05-15
SCALE: 1:100 JOB #: 22105

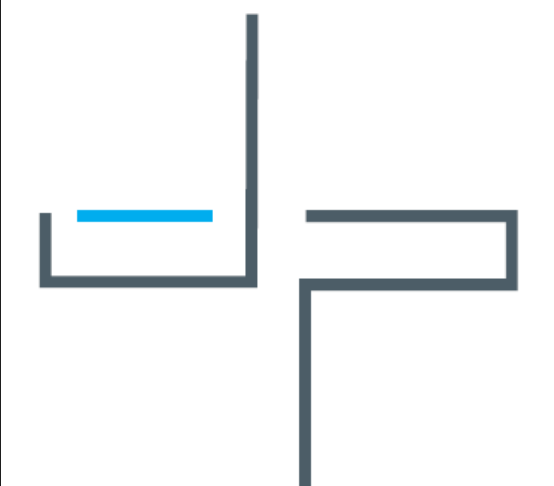
SHEET NO. PR2g



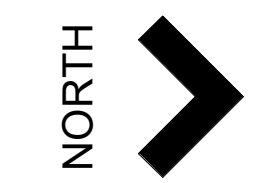
2 NINTH FLOOR LEVEL - BLDG 2
PR2h 1:100



1 NINTH FLOOR LEVEL - BLDG 1
PR2h 1:100



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E	Issued For Discussion	2024-01-31
F	revised 7th floor terrace dimension	2024-02-29
G	Revised Project Information	2024-05-15

Planning

SHEET TITLE:

Proposed Plans - 9th Floor

DRAWN BY: *Author* DATE: 2024-05-15
SCALE: 1 : 100 JOB #: 22105

SHEET NO. PR2h



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6 3D PERSPECTIVE FROM LUNDY'S LANE ENTRANCE
 PR5



3 Elevation South (Front)
 PR5 1: 192



4 Elevation West (Left Side)
 PR5 1: 192



5 Elevation East (Right Side)
 PR5 1: 192



2 Elevation North (Rear -Lundy's Lane)
 PR5 1: 192

1000462328 Ontario Limited (Anthony Menechella)

7230 Lundy's Lane Niagara Falls, ON

No.	Description	Date
B	Re-issued For Pre-Con	2023-1-10
C	Issued For Discussion	2023-04-17
D	Issued For Discussion	2023-04-27
E	Issued For Discussion	2024-01-31
F	revised 7th floor terrace dimension	2024-02-29
G	Revised Project Information	2024-05-15

Planning

SHEET TITLE:

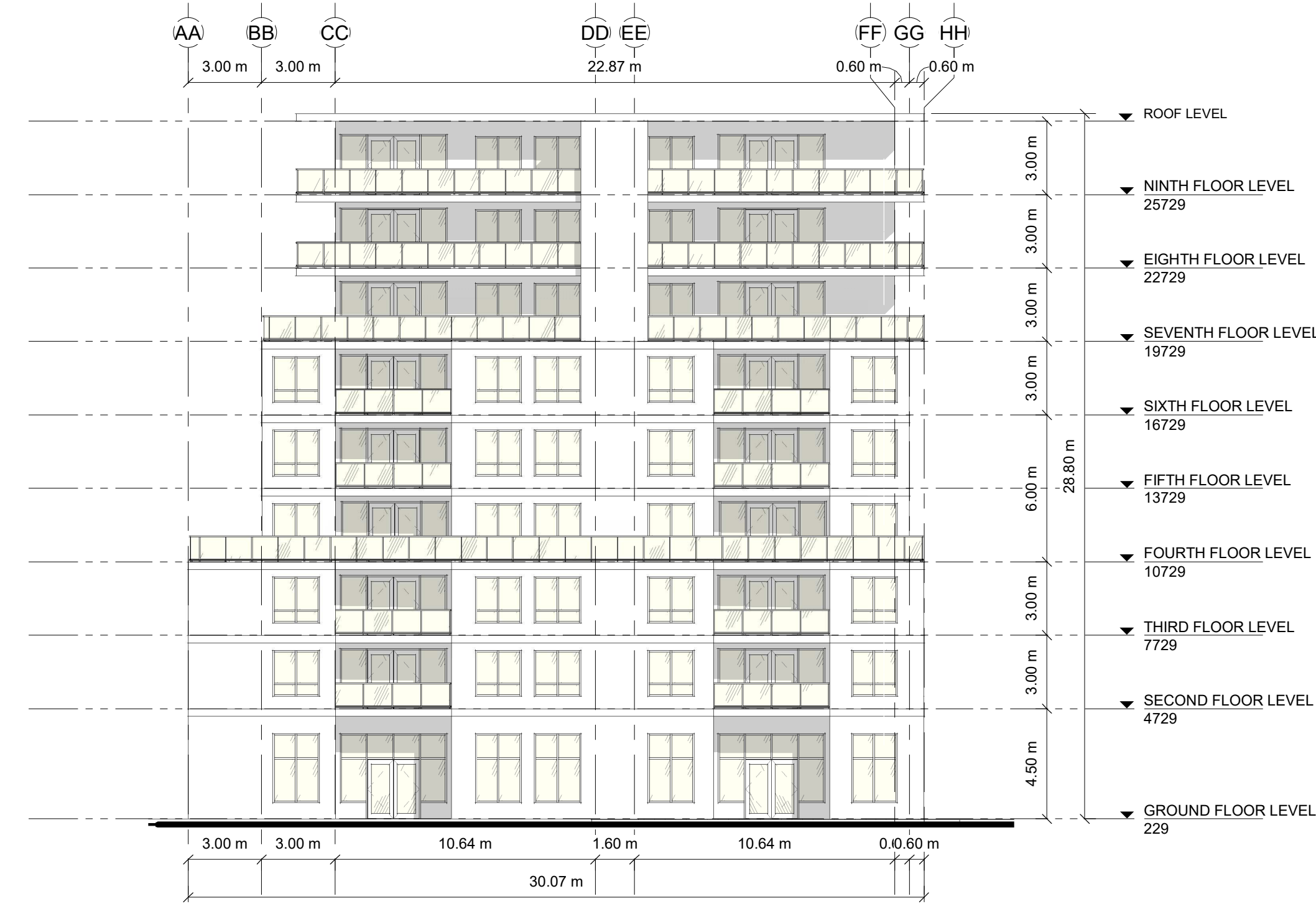
Proposed Elevations-
 Building -1

DRAWN BY: Author DATE: 2024-05-15
 SCALE: 1: 192 JOB #: 22105

SHEET NO. PR5



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2 Elevation East (Left Side)
 PR6 1:192



5 Elevation North (Front)
 PR6 1:192



3 Elevation South (Rear)
 PR6 1:192



4 Elevation West (Right Side)
 PR6 1:192

1000462328 Ontario Limited (Anthony Menechella)

7230 Lundy's Lane Niagara Falls, ON

No.	Description	Date
B	Re-issued For Pre-Con	2023-1-10
C	Issued For Discussion	2023-04-17
D	Issued For Discussion	2023-04-27
E	Issued For Discussion	2024-01-31
F	revised 7th floor terrace dimension	2024-02-29
G	Revised Project Information	2024-05-15

Planning

SHEET TITLE:

Proposed Elevations Building -2

DRAWN BY: J.P.R. DATE: 2024-05-15
 SCALE: 1:192 JOB #: 22105
 SHEET NO. 22105

PR6

APPENDIX E

SAMPLE CALCULATIONS –

STATIONARY NOISE SOURCES

Receiver Table

Name	Sel.	M.	ID	Level Lr			Limit Value			Land Use			Height	Coordinates		
				Day	Eve	Night	Day	Eve	Night	Type	Auto	Noise Type		X	Y	Z
				(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)					(m)	(m)	(m)
			POW_03	45.0	45.0	41.9	0.0	0.0	0.0		x	Total	27.50	r17653276.74	4772336.80	27.50
			POW_01	49.1	49.1	46.1	0.0	0.0	0.0		x	Total	27.50	r17653270.82	4772403.58	27.50
			POW_02	43.3	43.3	40.3	0.0	0.0	0.0		x	Total	27.50	r17653274.09	4772388.61	27.50

Point Sources

Name	Sel.	M.	ID	Result PWL			Lw / Li	Type	Value	Correction			Sound Reduction		Attenuation			Operating Time			K0	Freq.	Direct.	Height	Coordinates						
				Day	Evening	Night				norm.	Day	Evening	Night	R	Area	Day	Special	Night	Day	Special					Night	(dB)	(Hz)	(m)	X	Y	Z
				(dBA)	(dBA)	(dBA)				dB(A)	dB(A)	dB(A)	dB(A)		(m²)	(min)	(min)	(min)	(min)	(min)					(min)	(min)	(dB)	(Hz)	(m)	(m)	(m)
Motel AC01			AC01	72.4	72.4	72.4	Lw	AC01	0.0	0.0	0.0			60.00	60.00	30.00	0.0	(none)	1.00	g	17653235.80	4772387.70	7.50								
Motel AC02			AC02	73.0	73.0	73.0	Lw	AC02	0.0	0.0	0.0			60.00	60.00	30.00	0.0	(none)	0.80	g	17653234.06	4772387.70	7.30								
Hotel AC03			AC03	84.0	84.0	84.0	Lw	AC03_04	0.0	0.0	0.0			60.00	60.00	30.00	0.0	(none)	1.20	g	17653218.31	4772395.37	16.20								
Hotel AC04			AC04	84.0	84.0	84.0	Lw	AC03_04	0.0	0.0	0.0			60.00	60.00	30.00	0.0	(none)	1.20	g	17653242.26	4772403.32	16.20								
Restaurant RTU01			RTU01	89.0	89.0	89.0	Lw	RTU01_02	0.0	0.0	0.0			60.00	60.00	30.00	0.0	(none)	1.50	g	17653201.45	4772398.37	5.50								
Restaurant RTU02			RTU02	89.0	89.0	89.0	Lw	RTU01_02	0.0	0.0	0.0			60.00	60.00	30.00	0.0	(none)	1.20	g	17653204.08	4772379.18	5.20								
Hotel RTU04			RTU04	80.5	80.5	80.5	Lw	RTU03_04	0.0	0.0	0.0			60.00	60.00	30.00	0.0	(none)	1.30	g	17653243.72	4772401.70	16.30								
Hotel RTU03			RTU03	80.5	80.5	80.5	Lw	RTU03_04	0.0	0.0	0.0			60.00	60.00	30.00	0.0	(none)	1.30	g	17653216.56	4772396.70	16.30								
Restaurant EF01			EF01	77.3	77.3	77.3	Lw	EF01_02	0.0	0.0	0.0			60.00	60.00	0.00	0.0	(none)	0.70	g	17653203.66	4772389.10	4.70								
Restaurant EF02			EF02	77.3	77.3	77.3	Lw	EF01_02	0.0	0.0	0.0			60.00	60.00	0.00	0.0	(none)	0.70	g	17653203.64	4772384.38	4.70								
Restaurant Refer01			Ref01	81.9	81.9	81.9	Lw	REF01_02	0.0	0.0	0.0			60.00	60.00	30.00	0.0	(none)	1.40	r	17653211.48	4772373.10	1.40								
Restaurant Refer02			Ref02	81.9	81.9	81.9	Lw	REF01_02	0.0	0.0	0.0			60.00	60.00	30.00	0.0	(none)	1.40	r	17653210.59	4772373.10	1.40								

Sound Level Library

Name	ID	Type	1/3 Oktave Spectrum (dB)											Source		
			Weight.	31.5	63	125	250	500	1000	2000	4000	8000	A	lin		
Restaurant RTU	RTU01_02	Lw		0.0	89.5	92.0	89.0	87.5	84.0	78.5	73.5	66.5	89.0	96.2	Product Info	
Restaurant EF	EF01_02	Lw		78.7	82.2	79.2	80.7	75.2	70.0	67.6	61.2	57.1	77.3	86.9	120-0430 VCL Measurementns KFC_EF1	
Restaurant Refer	REF01_02	Lw		0.0	79.2	87.5	80.9	78.7	76.7	73.3	69.3	61.7	81.9	89.6	Keeprite KEZA040	
Motel AC	AC01	Lw		0.0	0.0	51.7	60.9	66.9	70.4	63.5	57.4	55.4	72.4	73.1	Product Info	
Motel AC	AC02	Lw		0.0	0.0	52.3	61.5	67.5	71.0	64.1	58.0	56.0	73.0	73.7	Product Info	
Hotel AC	AC03_04	Lw		0.0	0.0	63.3	72.5	78.5	82.0	75.1	69.0	67.0	84.0	84.7	Product Info	
Hotel RTU	RTU03_04	Lw		83.3	87.3	88.2	76.5	77.5	75.8	71.2	66.5	56.8	80.5	92.0	Product Info	

Calculation Configuration

Configuration	
Parameter	Value
General	
Max. Error (dB)	0.00
Max. Search Radius (#(Unit,LEN))	2000.00
Min. Dist Src to Rcvr	0.00
Partition	
Raster Factor	0.50
Max. Length of Section (#(Unit,LEN))	1000.00
Min. Length of Section (#(Unit,LEN))	1.00
Min. Length of Section (%)	0.00
Proj. Line Sources	On
Proj. Area Sources	On
Ref. Time	
Daytime Penalty (dB)	0.00
Recr. Time Penalty (dB)	6.00
Night-time Penalty (dB)	10.00
DTM	
Standard Height (m)	0.00

Configuration	
Parameter	Value
Model of Terrain	Triangulation
Reflection	
max. Order of Reflection	2
Search Radius Src	100.00
Search Radius Rcvr	100.00
Max. Distance Source - Rcvr	1000.00 1000.00
Min. Distance Rcvr - Reflector	1.00 1.00
Min. Distance Source - Reflector	0.10
Industrial (ISO 9613)	
Lateral Diffraction	some Obj
Obst. within Area Src do not shield	On
Screening	Excl. Ground Att. over Barrier
	Dz with limit (20/25)
Barrier Coefficients C1,2,3	3.0 20.0 0.0
Temperature #(Unit,TEMP)	10
rel. Humidity (%)	70
Ground Absorption G	0.00
Wind Speed for Dir. #(Unit,SPEED)	3.0
Roads (RLS-90)	
Strictly acc. to RLS-90	
Railways (Schall 03 (1990))	
Strictly acc. to Schall 03 / Schall-Transrapid	
Aircraft (???)	
Strictly acc. to AzB	

Receiver

Name: (untitled)
 ID: POW_01
 X: 17653270.82 m
 Y: 4772403.58 m
 Z: 27.50 m

Point Source, ISO 9613, Name: "Hotel AC04", ID: "AC04"

Nr.	X (m)	Y (m)	Z (m)	Refl.	DEN	Freq. (Hz)	Lw dB(A)	l/a dB	Optime dB	K0 (dB)	Di (dB)	Adiv (dB)	Aatm (dB)	Agr (dB)	Afol (dB)	Ahous (dB)	Abar (dB)	Cmet (dB)	RL (dB)	Lr dB(A)	
39	17653242.26	4772403.32	16.20	0	D	A	84.0	0.0	0.0	0.0	0.0	40.7	0.2	-3.0	0.0	0.0	0.0	0.0	0.0	0.0	46.1
39	17653242.26	4772403.32	16.20	0	N	A	84.0	0.0	-3.0	0.0	0.0	40.7	0.2	-3.0	0.0	0.0	0.0	0.0	0.0	0.0	43.0
39	17653242.26	4772403.32	16.20	0	E	A	84.0	0.0	0.0	0.0	0.0	40.7	0.2	-3.0	0.0	0.0	0.0	0.0	0.0	0.0	46.1

Point Source, ISO 9613, Name: "Restaurant RTU01", ID: "RTU01"

Nr.	X (m)	Y (m)	Z (m)	Refl.	DEN	Freq. (Hz)	Lw dB(A)	l/a dB	Optime dB	K0 (dB)	Di (dB)	Adiv (dB)	Aatm (dB)	Agr (dB)	Afol (dB)	Ahous (dB)	Abar (dB)	Cmet (dB)	RL (dB)	Lr dB(A)	
40	17653201.45	4772398.37	5.50	0	D	A	89.0	0.0	0.0	0.0	0.0	48.3	0.3	-3.0	0.0	0.0	17.8	0.0	0.0	0.0	25.6
40	17653201.45	4772398.37	5.50	0	N	A	89.0	0.0	-3.0	0.0	0.0	48.3	0.3	-3.0	0.0	0.0	17.8	0.0	0.0	0.0	22.6
40	17653201.45	4772398.37	5.50	0	E	A	89.0	0.0	0.0	0.0	0.0	48.3	0.3	-3.0	0.0	0.0	17.8	0.0	0.0	0.0	25.6

Point Source, ISO 9613, Name: "Restaurant RTU02", ID: "RTU02"

Nr.	X (m)	Y (m)	Z (m)	Refl.	DEN	Freq. (Hz)	Lw dB(A)	l/a dB	Optime dB	K0 (dB)	Di (dB)	Adiv (dB)	Aatm (dB)	Agr (dB)	Afol (dB)	Ahous (dB)	Abar (dB)	Cmet (dB)	RL (dB)	Lr dB(A)	
41	17653204.08	4772379.18	5.20	0	D	A	89.0	0.0	0.0	0.0	0.0	48.4	0.3	-3.0	0.0	0.0	12.6	0.0	0.0	0.0	30.7
41	17653204.08	4772379.18	5.20	0	N	A	89.0	0.0	-3.0	0.0	0.0	48.4	0.3	-3.0	0.0	0.0	12.6	0.0	0.0	0.0	27.7
41	17653204.08	4772379.18	5.20	0	E	A	89.0	0.0	0.0	0.0	0.0	48.4	0.3	-3.0	0.0	0.0	12.6	0.0	0.0	0.0	30.7

Point Source, ISO 9613, Name: "Hotel RTU04", ID: "RTU04"

Nr.	X (m)	Y (m)	Z (m)	Refl.	DEN	Freq. (Hz)	Lw dB(A)	l/a dB	Optime dB	K0 (dB)	Di (dB)	Adiv (dB)	Aatm (dB)	Agr (dB)	Afol (dB)	Ahous (dB)	Abar (dB)	Cmet (dB)	RL (dB)	Lr dB(A)	
42	17653243.72	4772401.70	16.30	0	D	A	80.5	0.0	0.0	0.0	0.0	40.4	0.1	-3.0	0.0	0.0	0.0	0.0	0.0	0.0	43.0
42	17653243.72	4772401.70	16.30	0	N	A	80.5	0.0	-3.0	0.0	0.0	40.4	0.1	-3.0	0.0	0.0	0.0	0.0	0.0	0.0	40.0
42	17653243.72	4772401.70	16.30	0	E	A	80.5	0.0	0.0	0.0	0.0	40.4	0.1	-3.0	0.0	0.0	0.0	0.0	0.0	0.0	43.0

Point Source, ISO 9613, Name: "Hotel AC03", ID: "AC03"

Nr.	X (m)	Y (m)	Z (m)	Refl.	DEN	Freq. (Hz)	Lw dB(A)	l/a dB	Optime dB	K0 (dB)	Di (dB)	Adiv (dB)	Aatm (dB)	Agr (dB)	Afol (dB)	Ahous (dB)	Abar (dB)	Cmet (dB)	RL (dB)	Lr dB(A)	
43	17653218.31	4772395.37	16.20	0	D	A	84.0	0.0	0.0	0.0	0.0	45.7	0.3	-3.0	0.0	0.0	4.3	0.0	0.0	0.0	36.6
43	17653218.31	4772395.37	16.20	0	N	A	84.0	0.0	-3.0	0.0	0.0	45.7	0.3	-3.0	0.0	0.0	4.3	0.0	0.0	0.0	33.6
43	17653218.31	4772395.37	16.20	0	E	A	84.0	0.0	0.0	0.0	0.0	45.7	0.3	-3.0	0.0	0.0	4.3	0.0	0.0	0.0	36.6

Point Source, ISO 9613, Name: "Hotel RTU03", ID: "RTU03"

Nr.	X (m)	Y (m)	Z (m)	Refl.	DEN	Freq. (Hz)	Lw dB(A)	l/a dB	Optime dB	K0 (dB)	Di (dB)	Adiv (dB)	Aatm (dB)	Agr (dB)	Afol (dB)	Ahous (dB)	Abar (dB)	Cmet (dB)	RL (dB)	Lr dB(A)	
44	17653216.56	4772396.70	16.30	0	D	A	80.5	0.0	0.0	0.0	0.0	45.9	0.3	-3.0	0.0	0.0	0.0	0.0	0.0	0.0	37.3
44	17653216.56	4772396.70	16.30	0	N	A	80.5	0.0	-3.0	0.0	0.0	45.9	0.3	-3.0	0.0	0.0	0.0	0.0	0.0	0.0	34.3
44	17653216.56	4772396.70	16.30	0	E	A	80.5	0.0	0.0	0.0	0.0	45.9	0.3	-3.0	0.0	0.0	0.0	0.0	0.0	0.0	37.3

Point Source, ISO 9613, Name: "Restaurant Refer01", ID: "Ref01"

Nr.	X (m)	Y (m)	Z (m)	Refl.	DEN	Freq. (Hz)	Lw dB(A)	l/a dB	Optime dB	K0 (dB)	Di (dB)	Adiv (dB)	Aatm (dB)	Agr (dB)	Afol (dB)	Ahous (dB)	Abar (dB)	Cmet (dB)	RL (dB)	Lr dB(A)	
45	17653211.48	4772373.10	1.40	0	D	A	81.9	0.0	0.0	0.0	0.0	48.1	0.4	-3.0	0.0	0.0	0.0	0.0	0.0	0.0	36.3
45	17653211.48	4772373.10	1.40	0	N	A	81.9	0.0	-3.0	0.0	0.0	48.1	0.4	-3.0	0.0	0.0	0.0	0.0	0.0	0.0	33.3
45	17653211.48	4772373.10	1.40	0	E	A	81.9	0.0	0.0	0.0	0.0	48.1	0.4	-3.0	0.0	0.0	0.0	0.0	0.0	0.0	36.3
46	17653211.48	4772373.10	1.40	1	D	A	81.9	0.0	0.0	0.0	0.0	48.4	0.4	-3.0	0.0	0.0	8.8	0.0	2.0	0.0	25.2
46	17653211.48	4772373.10	1.40	1	N	A	81.9	0.0	-3.0	0.0	0.0	48.4	0.4	-3.0	0.0	0.0	8.8	0.0	2.0	0.0	22.2
46	17653211.48	4772373.10	1.40	1	E	A	81.9	0.0	0.0	0.0	0.0	48.4	0.4	-3.0	0.0	0.0	8.8	0.0	2.0	0.0	25.2

Point Source, ISO 9613, Name: "Restaurant Refer02", ID: "Ref02"

Nr.	X (m)	Y (m)	Z (m)	Refl.	DEN	Freq. (Hz)	Lw dB(A)	l/a dB	Optime dB	K0 (dB)	Di (dB)	Adiv (dB)	Aatm (dB)	Agr (dB)	Afol (dB)	Ahous (dB)	Abar (dB)	Cmet (dB)	RL (dB)	Lr dB(A)	
47	17653210.59	4772373.10	1.40	0	D	A	81.9	0.0	0.0	0.0	0.0	48.2	0.4	-3.0	0.0	0.0	0.0	0.0	0.0	0.0	36.2

Point Source, ISO 9613, Name: "Restaurant Refer02", ID: "Ref02"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
47	17653210.59	4772373.10	1.40	0	N	A	81.9	0.0	-3.0	0.0	0.0	48.2	0.4	-3.0	0.0	0.0	0.0	0.0	0.0	33.2
47	17653210.59	4772373.10	1.40	0	E	A	81.9	0.0	0.0	0.0	0.0	48.2	0.4	-3.0	0.0	0.0	0.0	0.0	0.0	36.2
48	17653210.59	4772373.10	1.40	1	D	A	81.9	0.0	0.0	0.0	0.0	48.3	0.4	-3.0	0.0	0.0	9.3	0.0	2.0	24.8
48	17653210.59	4772373.10	1.40	1	N	A	81.9	0.0	-3.0	0.0	0.0	48.3	0.4	-3.0	0.0	0.0	9.3	0.0	2.0	21.8
48	17653210.59	4772373.10	1.40	1	E	A	81.9	0.0	0.0	0.0	0.0	48.3	0.4	-3.0	0.0	0.0	9.3	0.0	2.0	24.8

Point Source, ISO 9613, Name: "Motel AC02", ID: "AC02"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
49	17653234.06	4772387.70	7.30	0	D	A	73.0	0.0	0.0	0.0	0.0	44.0	0.3	-3.0	0.0	0.0	15.0	0.0	0.0	16.7
49	17653234.06	4772387.70	7.30	0	N	A	73.0	0.0	-3.0	0.0	0.0	44.0	0.3	-3.0	0.0	0.0	15.0	0.0	0.0	13.7
49	17653234.06	4772387.70	7.30	0	E	A	73.0	0.0	0.0	0.0	0.0	44.0	0.3	-3.0	0.0	0.0	15.0	0.0	0.0	16.7

Point Source, ISO 9613, Name: "Motel AC01", ID: "AC01"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
50	17653235.80	4772387.70	7.50	0	D	A	72.4	0.0	0.0	0.0	0.0	43.7	0.3	-3.0	0.0	0.0	14.8	0.0	0.0	16.6
50	17653235.80	4772387.70	7.50	0	N	A	72.4	0.0	-3.0	0.0	0.0	43.7	0.3	-3.0	0.0	0.0	14.8	0.0	0.0	13.6
50	17653235.80	4772387.70	7.50	0	E	A	72.4	0.0	0.0	0.0	0.0	43.7	0.3	-3.0	0.0	0.0	14.8	0.0	0.0	16.6

Point Source, ISO 9613, Name: "Restaurant EF01", ID: "EF01"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
51	17653203.66	4772389.10	4.70	0	D	A	77.3	0.0	0.0	0.0	0.0	48.2	0.3	-3.0	0.0	0.0	20.2	0.0	0.0	11.7
51	17653203.66	4772389.10	4.70	0	N	A	77.3	0.0	-188.0	0.0	0.0	48.2	0.3	-3.0	0.0	0.0	20.2	0.0	0.0	-176.3
51	17653203.66	4772389.10	4.70	0	E	A	77.3	0.0	0.0	0.0	0.0	48.2	0.3	-3.0	0.0	0.0	20.2	0.0	0.0	11.7

Point Source, ISO 9613, Name: "Restaurant EF02", ID: "EF02"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
52	17653203.64	4772384.38	4.70	0	D	A	77.3	0.0	0.0	0.0	0.0	48.3	0.3	-3.0	0.0	0.0	21.0	0.0	0.0	10.7
52	17653203.64	4772384.38	4.70	0	N	A	77.3	0.0	-188.0	0.0	0.0	48.3	0.3	-3.0	0.0	0.0	21.0	0.0	0.0	-177.3
52	17653203.64	4772384.38	4.70	0	E	A	77.3	0.0	0.0	0.0	0.0	48.3	0.3	-3.0	0.0	0.0	21.0	0.0	0.0	10.7