Traffic Analysis and Reporting System
# AADT Segment Analysis Report (Complete)
Road Section 41E - BURNETT HIGHWAY (BILOELA - MT MORGAN)
Traffic Year 2019



## Road Segments Summary - All Vehicles

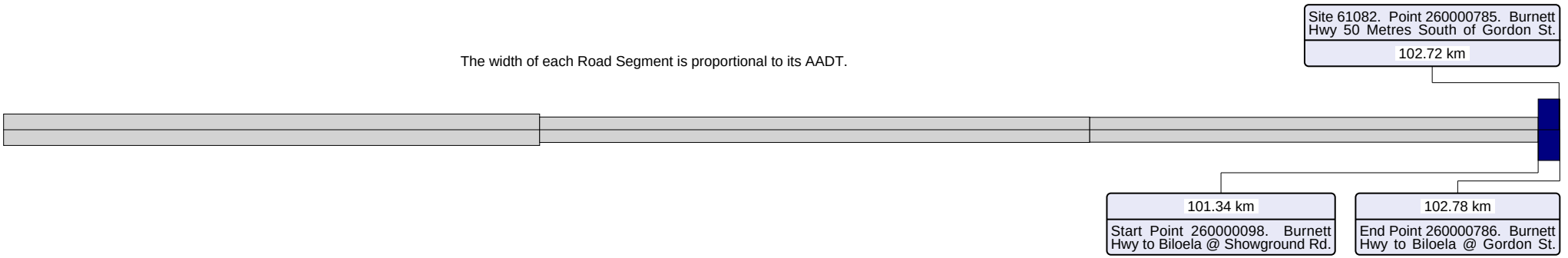
| Region | Segment Start Tdist | Segment End Tdist | Site | Site Tdist | Description | AADT | | | VKT (Millions) | | | Data Year | Page |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | G | A | B | G | A | B | | |
| 404 | 0.000 km | 35.401 km | 61081 | 20.310 km | Burnett Hwy 1km South Callide Creek | 559 | 594 | 1,153 | 7.22304 | 7.67529 | 14.89833 | 2019 | 2 |
| 404 | 35.401 km | 71.730 km | 60055 | 54.260 km | Burnett Hwy 120m N of Don River | 455 | 479 | 934 | 6.03334 | 6.35158 | 12.38492 | 2019 | 3 |
| 404 | 71.730 km | 101.344 km | 60056 | 98.945 km | Burnett Hwy 20m Nth Hamilton Ck | 463 | 450 | 913 | 5.00462 | 4.86410 | 9.86872 | 2018 | 4 |
| 404 | 101.344 km | 102.775 km | 61082 | 102.725 km | Burnett Hwy 50 Metres Sth of Gordon St | 1,123 | 1,134 | 2,257 | 0.58656 | 0.59231 | 1.17886 | 2018 | 5 |
| | | | | | | | | Totals | 18.84756 | 19.48328 | 38.33084 | | |

## Road Segments Summary - Heavy Vehicles only

VKT totals are calculated only if traffic class data is available for all sites.

| Region | Segment Start Tdist | Segment End Tdist | Site | Site Tdist | Description | HV AADT | | | | | | HV VKT (Millions) | | | Data Year | Page |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | G | | A | | B | | | | | | |
| | | | | | | AADT | HV % | AADT | HV % | AADT | HV % | G | A | B | | |
| 404 | 0.000 km | 35.401 km | 61081 | 20.310 km | Burnett Hwy 1km South Callide Creek | 210 | 37.57% | 142 | 23.91% | 352 | 30.53% | 2.71349 | 1.83483 | 4.54832 | 2019 | 2 |
| 404 | 35.401 km | 71.730 km | 60055 | 54.260 km | Burnett Hwy 120m N of Don River | 167 | 36.70% | 190 | 39.67% | 357 | 38.22% | 2.21443 | 2.51942 | 4.73385 | 2019 | 3 |
| 404 | 71.730 km | 101.344 km | 60056 | 98.945 km | Burnett Hwy 20m Nth Hamilton Ck | 52 | 11.23% | 33 | 7.33% | 85 | 9.31% | 0.56207 | 0.35670 | 0.91877 | 2018 | 4 |
| 404 | 101.344 km | 102.775 km | 61082 | 102.725 km | Burnett Hwy 50 Metres Sth of Gordon St | 106 | 9.44% | 101 | 8.91% | 207 | 9.17% | 0.05537 | 0.05275 | 0.10812 | 2018 | 5 |
| | | | | | | | | | | | Totals | 5.54536 | 4.76370 | 10.30906 | | |

The width of each Road Segment is proportional to its AADT.




This report shows Annual Average Daily Traffic values (AADTs). Because the AADT values are converted to whole numbers, there will be occasional inaccuracies due to rounding. These inaccuracies are statistically insignificant.

| | Annual Segment Growth | | |
|---|---|---|---|
| | Based on 1 year's data | Based on 5 years' data | Based on 10 years' data |
| G | 0.00% | -1.37% | -1.18% |
| A | 0.00% | -1.17% | -1.60% |
| B | 0.00% | -1.27% | -1.39% |

**All Vehicles (00)**

| | | |
|---|---|---|
| G | 1,123 | 100% |
| A | 1,134 | 100% |
| B | 2,257 | 100% |

**Light Vehicles (0A)**

| | | |
|---|---|---|
| G | 1,018 | 90.65% |
| A | 1,033 | 91.09% |
| B | 2,051 | 90.87% |

**Heavy Vehicles (0B)**

| | | |
|---|---|---|
| G | 106 | 9.44% |
| A | 101 | 8.91% |
| B | 207 | 9.17% |

**Short Vehicles (1A)**

| | | |
|---|---|---|
| G | 1,018 | 90.65% |
| A | 1,033 | 91.09% |
| B | 2,051 | 90.87% |

**Trucks and Buses (1B)**

| | | |
|---|---|---|
| G | 96 | 8.55% |
| A | 92 | 8.11% |
| B | 188 | 8.33% |

**Articulated Vehicles (1C)**

| | | |
|---|---|---|
| G | 9 | 0.80% |
| A | 8 | 0.71% |
| B | 17 | 0.75% |

**Road Trains (1D)**

| | | |
|---|---|---|
| G | 1 | 0.09% |
| A | 1 | 0.09% |
| B | 2 | 0.09% |

**Short 2-Axle Vehicles (2A)**

| | | |
|---|---|---|
| G | 986 | 87.80% |
| A | 1,003 | 88.45% |
| B | 1,989 | 88.13% |

**Short Vehicles Towing (2B)**

| | | |
|---|---|---|
| G | 32 | 2.85% |
| A | 30 | 2.65% |
| B | 62 | 2.75% |

**2-Axle Trucks and Buses (2C)**

| | | |
|---|---|---|
| G | 89 | 7.93% |
| A | 85 | 7.50% |
| B | 174 | 7.71% |

**3-Axle Trucks and Buses (2D)**

| | | |
|---|---|---|
| G | 5 | 0.45% |
| A | 6 | 0.53% |
| B | 11 | 0.49% |

**4-Axle Trucks (2E)**

| | | |
|---|---|---|
| G | 2 | 0.18% |
| A | 1 | 0.09% |
| B | 3 | 0.13% |

**3-Axle Articulated (2F)**

| | | |
|---|---|---|
| G | 3 | 0.27% |
| A | 3 | 0.26% |
| B | 6 | 0.27% |

**4-Axle Articulated (2G)**

| | | |
|---|---|---|
| G | 4 | 0.36% |
| A | 3 | 0.26% |
| B | 7 | 0.31% |

**5-Axle Articulated (2H)**

| | | |
|---|---|---|
| G | 0 | 0% |
| A | 0 | 0% |
| B | 0 | 0% |

**6-Axle Articulated (2I)**

| | | |
|---|---|---|
| G | 2 | 0.18% |
| A | 2 | 0.18% |
| B | 4 | 0.18% |

**B Double (2J)**

| | | |
|---|---|---|
| G | 1 | 0.09% |
| A | 1 | 0.09% |
| B | 2 | 0.09% |

**Double Road Trains (2K)**

| | | |
|---|---|---|
| G | 0 | 0% |
| A | 0 | 0% |
| B | 0 | 0% |

**Triple Road Trains (2L)**

| | | |
|---|---|---|
| G | 0 | 0% |
| A | 0 | 0% |
| B | 0 | 0% |

# Report Notes for AADT Segment Analysis Report (Complete)

## AADT Segment Report

Provides AADT Segment details for a Road Section together with the traffic flow data collected at the related Site. Traffic data is reported by the start and end Through Distance of the AADT Segments on each section of road. The road segments are represented diagrammatically with AADT data including:

| | |
|---|---|
| AADT | by direction of traffic flow |
| VKT | Vehicle Kilometres Travelled |
| %VC | Percentage Vehicle Class as per the Austroads vehicle classification scheme |

## Annual Average Daily Traffic (AADT)

Annual Average Daily Traffic (AADT) is the number of vehicles passing a point on a road in a 24 hour period, averaged over a calendar year.

## AADT Segment

Is a subdivision of a Road Section. The boundaries of an AADT Segment are it's Start Point and End Point (or Start and End Through Distance (TDist)) within the Road Section. These distances are measured in kilometres from the begining of the Road Section in Gazettal Direction. AADT Segments are determined by the traffic volume, collected at a count Site, located within the limits of each AADT Segment.

## Annual Segment Growth (when displayed)

A percentage that represents the increase or decrease in AADT for the AADT Segment,using an exponential fit, calculated over a 1, 5 or 10 year period.

## Area

For administration purposes the Department of Transport and Main Roads has divided Queensland into 12 Districts. The Area field in TSDM reports displays the District Name and Number.

| District Name | District |
|---|---|
| Central West District | 401 |
| Darling Downs District | 402 |
| Far North District | 403 |
| Fitzroy District | 404 |
| Mackay/Whitsunday District | 405 |
| Metropolitian District | 406 |
| North Coast District | 407 |
| North West District | 409 |
| Northern District | 408 |
| South Coast District | 410 |
| South West District | 411 |
| Wide Bay/Burnett District | 412 |

## Data Year

The most recent year the traffic data was collected for this AADT Segment.

## Gazettal Direction

The Gazettal Direction is the direction of the traffic flow. It can be easily recognised by referring to the name of the road eg. Road Section: 10A Brisbane - Gympie denotes that the gazettal direction is from Brisbane to Gympie.

| | |
|---|---|
| G | Traffic flowing in Gazettal Direction |
| A | Traffic flowing against Gazettal Direction |
| B | The combined traffic flow in both Directions |

## Road Section

Is the Gazetted road from which the traffic data is collected. Each Road Section is given a code, allocated sequentially in Gazettal Direction. Larger roads are broken down into sections and identified by an ID code with a suffix for easier data collection and reporting (eg. 10A, 10B, 10C). Road Sections are then broken into AADT Segments which are determined by traffic volume.

## Site

The physical location of a traffic counting device. Sites are located at a specified Through Distance along a Road Section.

## Site TDist

The Through Distance in gazettal direction from the start of the Road Section at which the site is located.

## Site Description

The description of the physical location of the traffic counting device.

## Start and End Point

The unique identifier for the Through Distance along a Road Section.

## Through Distance

The distance, in kilometres, from the beginning of the Road Section in Gazettal Direction.

## Traffic Class

Is the 12 Austroads vehicle categories or classes into which vehicles are placed or binned. Traffic classes are formed in a hierarchical format.

### Volume or All Vehicles

00 = 0A + 0B

### Light Vehicles

0A = 1A
1A = 2A + 2B

### Heavy Vehicles

0B = 1B + 1C + 1D
1B = 2C + 2D + 2E
1C = 2F + 2G + 2H + 2I
1D = 2J + 2K + 2L

The following classes are the categories for which data can be captured:

### Volume

00 All vehicles.

### 2-Bin

0A Light vehicles
0B Heavy vehicles

### 4-Bin

1A Short vehicles
1B Truck or bus
1C Articulated vehicles
1D Road train

### 12-Bin

2A Short 2 axle vehicles
2B Short vehicles towing
2C 2 axle truck or bus
2D 3 axle truck or bus
2E 4 axle truck
2F 3 axle articulated vehicle
2G 4 axle articulated vehicle
2H 5 axle articulated vehicle
2I 6 axle articulated vehicle
2J B double
2K Double road train
2L Triple road train

## Vehicle Kilometres Travelled (VKT)

Daily VKT is a measure of the traffic demand. It is calculated by the length of an AADT Segment in kilometres multiplied by its AADT. The yearly VKT is the daily VKT multiplied by 365 days.

### AADT Segment Summary - All Vehicles

The Total VKT can be used to gauge the demand on an entire Road Section.

### AADT Segment Summary - Heavy Vehicles only

A blank field indicates that vehicle classification data was not collected for this AADT Segment.