

**S|C|P**

**APPENDIX O**

NOTES

| REVISIONS |             |
|-----------|-------------|
| REV       | DESCRIPTION |
| -         | -           |

| DATE | BY |
|------|----|
| -    | -  |

SCP

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Client Name:

Project Title:

RUTHIN ROAD, WREXHAM

Drawing Title:

A525 RUTHIN ROAD /  
VICTORIA ROAD  
JUNCTION MEASUREMENTS

|           |                      |        |            |
|-----------|----------------------|--------|------------|
| Drawn By: | OP                   | Date:  | 06.02.2024 |
| Checked:  | LB                   | Scale: | 1:500 @ A3 |
| Status:   | Approved/Unapproved: |        |            |

|             |                |      |   |
|-------------|----------------|------|---|
| Drawing No. | SCP/210187/D24 | Rev. | - |
|-------------|----------------|------|---|



| Junctions 9                                                                                                                                                      |  |  |  |  |  |  |  |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|--|
| PICADY 9 - Priority Intersection Module                                                                                                                          |  |  |  |  |  |  |  |  |  |  |
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Filename: 4. B5098 \_ Vicarage Hill Priority Junction;.j9

Path: Z:\Job Library\2021\210187 - Ruthin Road, Wrexham\Traffic Data\PICADY - Jan 2024 Update

Report generation date: 06/02/2024 09:48:29

- »2028 Base Re-dist, AM
- »2028 Base Re-dist, PM
- »2028 Assess Re-dist, AM
- »2028 Assess Re-dist, PM
- »2022 Survey, AM
- »2022 Survey, PM

#### Summary of junction performance

|             | AM                  |             |           |      |     | PM     |             |           |      |     |
|-------------|---------------------|-------------|-----------|------|-----|--------|-------------|-----------|------|-----|
|             | Set ID              | Queue (PCU) | Delay (s) | RFC  | LOS | Set ID | Queue (PCU) | Delay (s) | RFC  | LOS |
|             | 2028 Base Re-dist   |             |           |      |     |        |             |           |      |     |
| Stream B-C  | D1                  | 0.1         | 6.02      | 0.07 | A   | D2     | 0.1         | 6.11      | 0.09 | A   |
| Stream B-A  |                     | 0.2         | 8.03      | 0.17 | A   |        | 0.3         | 8.11      | 0.22 | A   |
| Stream C-AB |                     | 0.1         | 6.75      | 0.11 | A   |        | 0.1         | 6.19      | 0.07 | A   |
|             | 2028 Assess Re-dist |             |           |      |     |        |             |           |      |     |
| Stream B-C  | D3                  | 0.1         | 6.09      | 0.07 | A   | D4     | 0.1         | 6.78      | 0.09 | A   |
| Stream B-A  |                     | 0.2         | 8.49      | 0.19 | A   |        | 0.3         | 9.38      | 0.23 | A   |
| Stream C-AB |                     | 0.1         | 6.76      | 0.11 | A   |        | 0.1         | 6.82      | 0.07 | A   |
|             | 2022 Survey         |             |           |      |     |        |             |           |      |     |
| Stream B-C  | D5                  | 0.1         | 5.95      | 0.06 | A   | D6     | 0.1         | 6.03      | 0.09 | A   |
| Stream B-A  |                     | 0.2         | 7.88      | 0.16 | A   |        | 0.3         | 7.94      | 0.20 | A   |
| Stream C-AB |                     | 0.1         | 6.68      | 0.11 | A   |        | 0.1         | 6.16      | 0.06 | A   |

There are warnings associated with one or more model runs - see the 'Data Errors and Warnings' tables for each Analysis or Demand Set.

Values shown are the highest values encountered over all time segments. Delay is the maximum value of average delay per arriving vehicle.

## File summary

### File Description

|                    |                                          |
|--------------------|------------------------------------------|
| <b>Title</b>       | B5098 / Vicarage Hill Priority Junction; |
| <b>Location</b>    | B5098 / Vicarage Hill Priority Junction; |
| <b>Site number</b> |                                          |
| <b>Date</b>        | 29/11/2022                               |
| <b>Version</b>     |                                          |
| <b>Status</b>      | (new file)                               |
| <b>Identifier</b>  |                                          |
| <b>Client</b>      |                                          |
| <b>Jobnumber</b>   |                                          |
| <b>Enumerator</b>  | SCP\abbie.moore                          |
| <b>Description</b> |                                          |

## Units

| Distance units | Speed units | Traffic units input | Traffic units results | Flow units | Average delay units | Total delay units | Rate of delay units |
|----------------|-------------|---------------------|-----------------------|------------|---------------------|-------------------|---------------------|
| m              | kph         | PCU                 | PCU                   | perHour    | s                   | -Min              | perMin              |

## Analysis Options

| Calculate Queue Percentiles | Calculate residual capacity | RFC Threshold | Average Delay threshold (s) | Queue threshold (PCU) |
|-----------------------------|-----------------------------|---------------|-----------------------------|-----------------------|
|                             |                             | 0.85          | 36.00                       | 20.00                 |

## Demand Set Summary

| ID | Scenario name       | Time Period name | Traffic profile type | Start time (HH:mm) | Finish time (HH:mm) | Time segment length (min) |
|----|---------------------|------------------|----------------------|--------------------|---------------------|---------------------------|
| D1 | 2028 Base Re-dist   | AM               | ONE HOUR             | 00:00              | 01:30               | 15                        |
| D2 | 2028 Base Re-dist   | PM               | ONE HOUR             | 00:00              | 01:30               | 15                        |
| D3 | 2028 Assess Re-dist | AM               | ONE HOUR             | 00:00              | 01:30               | 15                        |
| D4 | 2028 Assess Re-dist | PM               | ONE HOUR             | 00:00              | 01:30               | 15                        |
| D5 | 2022 Survey         | AM               | ONE HOUR             | 00:00              | 01:30               | 15                        |
| D6 | 2022 Survey         | PM               | ONE HOUR             | 00:00              | 01:30               | 15                        |

## Analysis Set Details

| ID | Network flow scaling factor (%) |
|----|---------------------------------|
| A1 | 100.000                         |

# 2028 Base Re-dist, AM

## Data Errors and Warnings

| Severity | Area        | Item | Description                                                                                                                                                                                  |
|----------|-------------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Warning  | Vehicle Mix |      | HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning. |

## Junction Network

### Junctions

| Junction | Name                                     | Junction type | Major road direction | Use circulating lanes | Junction Delay (s) | Junction LOS |
|----------|------------------------------------------|---------------|----------------------|-----------------------|--------------------|--------------|
| 1        | B5098 / Vicarage Hill Priority Junction; | T-Junction    | Two-way              |                       | 3.08               | A            |

### Junction Network Options

| Driving side | Lighting       |
|--------------|----------------|
| Left         | Normal/unknown |

## Arms

### Arms

| Arm | Name              | Description | Arm type |
|-----|-------------------|-------------|----------|
| A   | B5098 (W)         |             | Major    |
| B   | B5098 (N)         |             | Minor    |
| C   | Vicarage Hill (W) |             | Major    |

### Major Arm Geometry

| Arm | Width of carriageway (m) | Has kerbed central reserve | Has right turn bay | Visibility for right turn (m) | Blocks? | Blocking queue (PCU) |
|-----|--------------------------|----------------------------|--------------------|-------------------------------|---------|----------------------|
| C   | 8.10                     |                            |                    | 71.0                          | ✓       | 0.00                 |

Geometries for Arm C are measured opposite Arm B. Geometries for Arm A (if relevant) are measured opposite Arm D.

### Minor Arm Geometry

| Arm | Minor arm type      | Width at give-way (m) | Width at 5m (m) | Width at 10m (m) | Width at 15m (m) | Width at 20m (m) | Estimate flare length | Flare length (PCU) | Visibility to left (m) | Visibility to right (m) |
|-----|---------------------|-----------------------|-----------------|------------------|------------------|------------------|-----------------------|--------------------|------------------------|-------------------------|
| B   | One lane plus flare | 10.00                 | 9.20            | 6.20             | 4.20             | 3.60             | ✓                     | 2.00               | 37                     | 46                      |

### Slope / Intercept / Capacity

#### Priority Intersection Slopes and Intercepts

| Stream | Intercept (PCU/hr) | Slope for A-B | Slope for A-C | Slope for C-A | Slope for C-B |
|--------|--------------------|---------------|---------------|---------------|---------------|
| B-A    | 601                | 0.099         | 0.251         | 0.158         | 0.359         |
| B-C    | 701                | 0.098         | 0.247         | -             | -             |
| C-B    | 615                | 0.217         | 0.217         | -             | -             |

The slopes and intercepts shown above do NOT include any corrections or adjustments.

Streams may be combined, in which case capacity will be adjusted.

Values are shown for the first time segment only; they may differ for subsequent time segments.

## Traffic Demand

### Demand Set Details

| ID | Scenario name     | Time Period name | Traffic profile type | Start time (HH:mm) | Finish time (HH:mm) | Time segment length (min) |
|----|-------------------|------------------|----------------------|--------------------|---------------------|---------------------------|
| D1 | 2028 Base Re-dist | AM               | ONE HOUR             | 00:00              | 01:30               | 15                        |

| Vehicle mix source | PCU Factor for a HV (PCU) |
|--------------------|---------------------------|
| HV Percentages     | 2.00                      |

### Demand overview (Traffic)

| Arm | Linked arm | Use O-D data | Average Demand (PCU/hr) | Scaling Factor (%) |
|-----|------------|--------------|-------------------------|--------------------|
| A   |            | ✓            | 203                     | 100.000            |
| B   |            | ✓            | 123                     | 100.000            |
| C   |            | ✓            | 104                     | 100.000            |

## Origin-Destination Data

### Demand (PCU/hr)

|  | To |    |     |    |
|--|----|----|-----|----|
|  |    | A  | B   | C  |
|  | A  | 0  | 155 | 48 |
|  | B  | 83 | 0   | 40 |
|  | C  | 47 | 57  | 0  |

## Vehicle Mix

### Heavy Vehicle Percentages

|  | To |   |   |   |
|--|----|---|---|---|
|  |    | A | B | C |
|  | A  | 0 | 0 | 0 |
|  | B  | 0 | 0 | 0 |
|  | C  | 0 | 0 | 0 |

## Results

### Results Summary for whole modelled period

| Stream | Max RFC | Max Delay (s) | Max Queue (PCU) | Max LOS |
|--------|---------|---------------|-----------------|---------|
| B-C    | 0.07    | 6.02          | 0.1             | A       |
| B-A    | 0.17    | 8.03          | 0.2             | A       |
| C-AB   | 0.11    | 6.75          | 0.1             | A       |
| C-A    |         |               |                 |         |
| A-B    |         |               |                 |         |
| A-C    |         |               |                 |         |

## Main Results for each time segment

### 00:00 - 00:15

| Stream | Total Demand (PCU/hr) | Capacity (PCU/hr) | RFC   | Throughput (PCU/hr) | End queue (PCU) | Delay (s) | Unsignalised level of service |
|--------|-----------------------|-------------------|-------|---------------------|-----------------|-----------|-------------------------------|
| B-C    | 30                    | 662               | 0.046 | 30                  | 0.0             | 5.696     | A                             |
| B-A    | 62                    | 559               | 0.112 | 62                  | 0.1             | 7.233     | A                             |
| C-AB   | 46                    | 606               | 0.075 | 45                  | 0.1             | 6.418     | A                             |
| C-A    | 33                    |                   |       | 33                  |                 |           |                               |
| A-B    | 117                   |                   |       | 117                 |                 |           |                               |
| A-C    | 36                    |                   |       | 36                  |                 |           |                               |

### 00:15 - 00:30

| Stream | Total Demand (PCU/hr) | Capacity (PCU/hr) | RFC   | Throughput (PCU/hr) | End queue (PCU) | Delay (s) | Unsignalised level of service |
|--------|-----------------------|-------------------|-------|---------------------|-----------------|-----------|-------------------------------|
| B-C    | 36                    | 654               | 0.055 | 36                  | 0.1             | 5.827     | A                             |
| B-A    | 75                    | 551               | 0.135 | 74                  | 0.2             | 7.553     | A                             |
| C-AB   | 55                    | 604               | 0.091 | 55                  | 0.1             | 6.554     | A                             |
| C-A    | 38                    |                   |       | 38                  |                 |           |                               |
| A-B    | 139                   |                   |       | 139                 |                 |           |                               |
| A-C    | 43                    |                   |       | 43                  |                 |           |                               |

### 00:30 - 00:45

| Stream | Total Demand (PCU/hr) | Capacity (PCU/hr) | RFC   | Throughput (PCU/hr) | End queue (PCU) | Delay (s) | Unsignalised level of service |
|--------|-----------------------|-------------------|-------|---------------------|-----------------|-----------|-------------------------------|
| B-C    | 44                    | 642               | 0.069 | 44                  | 0.1             | 6.015     | A                             |
| B-A    | 91                    | 540               | 0.169 | 91                  | 0.2             | 8.022     | A                             |
| C-AB   | 69                    | 602               | 0.114 | 69                  | 0.1             | 6.747     | A                             |
| C-A    | 46                    |                   |       | 46                  |                 |           |                               |
| A-B    | 171                   |                   |       | 171                 |                 |           |                               |
| A-C    | 53                    |                   |       | 53                  |                 |           |                               |

### 00:45 - 01:00

| Stream | Total Demand (PCU/hr) | Capacity (PCU/hr) | RFC   | Throughput (PCU/hr) | End queue (PCU) | Delay (s) | Unsignalised level of service |
|--------|-----------------------|-------------------|-------|---------------------|-----------------|-----------|-------------------------------|
| B-C    | 44                    | 642               | 0.069 | 44                  | 0.1             | 6.016     | A                             |
| B-A    | 91                    | 540               | 0.169 | 91                  | 0.2             | 8.029     | A                             |
| C-AB   | 69                    | 602               | 0.114 | 69                  | 0.1             | 6.751     | A                             |
| C-A    | 46                    |                   |       | 46                  |                 |           |                               |
| A-B    | 171                   |                   |       | 171                 |                 |           |                               |
| A-C    | 53                    |                   |       | 53                  |                 |           |                               |

### 01:00 - 01:15

| Stream | Total Demand (PCU/hr) | Capacity (PCU/hr) | RFC   | Throughput (PCU/hr) | End queue (PCU) | Delay (s) | Unsignalised level of service |
|--------|-----------------------|-------------------|-------|---------------------|-----------------|-----------|-------------------------------|
| B-C    | 36                    | 654               | 0.055 | 36                  | 0.1             | 5.829     | A                             |
| B-A    | 75                    | 551               | 0.135 | 75                  | 0.2             | 7.563     | A                             |
| C-AB   | 55                    | 604               | 0.091 | 55                  | 0.1             | 6.560     | A                             |
| C-A    | 38                    |                   |       | 38                  |                 |           |                               |
| A-B    | 139                   |                   |       | 139                 |                 |           |                               |
| A-C    | 43                    |                   |       | 43                  |                 |           |                               |

## 01:15 - 01:30

| Stream | Total Demand<br>(PCU/hr) | Capacity<br>(PCU/hr) | RFC   | Throughput<br>(PCU/hr) | End queue (PCU) | Delay (s) | Unsignalised<br>level of service |
|--------|--------------------------|----------------------|-------|------------------------|-----------------|-----------|----------------------------------|
| B-C    | 30                       | 662                  | 0.046 | 30                     | 0.0             | 5.704     | A                                |
| B-A    | 62                       | 559                  | 0.112 | 63                     | 0.1             | 7.255     | A                                |
| C-AB   | 46                       | 606                  | 0.075 | 46                     | 0.1             | 6.426     | A                                |
| C-A    | 33                       |                      |       | 33                     |                 |           |                                  |
| A-B    | 117                      |                      |       | 117                    |                 |           |                                  |
| A-C    | 36                       |                      |       | 36                     |                 |           |                                  |

# 2028 Base Re-dist, PM

## Data Errors and Warnings

| Severity | Area        | Item | Description                                                                                                                                                                                  |
|----------|-------------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Warning  | Vehicle Mix |      | HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning. |

## Junction Network

### Junctions

| Junction | Name                                     | Junction type | Major road direction | Use circulating lanes | Junction Delay (s) | Junction LOS |
|----------|------------------------------------------|---------------|----------------------|-----------------------|--------------------|--------------|
| 1        | B5098 / Vicarage Hill Priority Junction; | T-Junction    | Two-way              |                       | 4.56               | A            |

### Junction Network Options

| Driving side | Lighting       |
|--------------|----------------|
| Left         | Normal/unknown |

## Traffic Demand

### Demand Set Details

| ID | Scenario name     | Time Period name | Traffic profile type | Start time (HH:mm) | Finish time (HH:mm) | Time segment length (min) |
|----|-------------------|------------------|----------------------|--------------------|---------------------|---------------------------|
| D2 | 2028 Base Re-dist | PM               | ONE HOUR             | 00:00              | 01:30               | 15                        |

| Vehicle mix source | PCU Factor for a HV (PCU) |
|--------------------|---------------------------|
| HV Percentages     | 2.00                      |

### Demand overview (Traffic)

| Arm | Linked arm | Use O-D data | Average Demand (PCU/hr) | Scaling Factor (%) |
|-----|------------|--------------|-------------------------|--------------------|
| A   |            | ✓            | 83                      | 100.000            |
| B   |            | ✓            | 167                     | 100.000            |
| C   |            | ✓            | 73                      | 100.000            |

## Origin-Destination Data

### Demand (PCU/hr)

|  | To |     |    |    |
|--|----|-----|----|----|
|  |    | A   | B  | C  |
|  | A  | 0   | 60 | 23 |
|  | B  | 112 | 0  | 55 |
|  | C  | 38  | 35 | 0  |

## Vehicle Mix

### Heavy Vehicle Percentages

|  | To |   |   |   |
|--|----|---|---|---|
|  |    | A | B | C |
|  | A  | 0 | 0 | 0 |
|  | B  | 0 | 0 | 0 |
|  | C  | 0 | 0 | 0 |

## Results

### Results Summary for whole modelled period

| Stream | Max RFC | Max Delay (s) | Max Queue (PCU) | Max LOS |
|--------|---------|---------------|-----------------|---------|
| B-C    | 0.09    | 6.11          | 0.1             | A       |
| B-A    | 0.22    | 8.11          | 0.3             | A       |
| C-AB   | 0.07    | 6.19          | 0.1             | A       |
| C-A    |         |               |                 |         |
| A-B    |         |               |                 |         |
| A-C    |         |               |                 |         |

### Main Results for each time segment

#### 00:00 - 00:15

| Stream | Total Demand (PCU/hr) | Capacity (PCU/hr) | RFC   | Throughput (PCU/hr) | End queue (PCU) | Delay (s) | Unsignalised level of service |
|--------|-----------------------|-------------------|-------|---------------------|-----------------|-----------|-------------------------------|
| B-C    | 41                    | 668               | 0.062 | 41                  | 0.1             | 5.744     | A                             |
| B-A    | 84                    | 578               | 0.146 | 84                  | 0.2             | 7.280     | A                             |
| C-AB   | 28                    | 621               | 0.045 | 27                  | 0.0             | 6.068     | A                             |
| C-A    | 27                    |                   |       | 27                  |                 |           |                               |
| A-B    | 45                    |                   |       | 45                  |                 |           |                               |
| A-C    | 17                    |                   |       | 17                  |                 |           |                               |

#### 00:15 - 00:30

| Stream | Total Demand (PCU/hr) | Capacity (PCU/hr) | RFC   | Throughput (PCU/hr) | End queue (PCU) | Delay (s) | Unsignalised level of service |
|--------|-----------------------|-------------------|-------|---------------------|-----------------|-----------|-------------------------------|
| B-C    | 49                    | 660               | 0.075 | 49                  | 0.1             | 5.892     | A                             |
| B-A    | 101                   | 573               | 0.176 | 101                 | 0.2             | 7.616     | A                             |
| C-AB   | 33                    | 622               | 0.054 | 33                  | 0.1             | 6.117     | A                             |
| C-A    | 32                    |                   |       | 32                  |                 |           |                               |
| A-B    | 54                    |                   |       | 54                  |                 |           |                               |
| A-C    | 21                    |                   |       | 21                  |                 |           |                               |

#### 00:30 - 00:45

| Stream | Total Demand (PCU/hr) | Capacity (PCU/hr) | RFC   | Throughput (PCU/hr) | End queue (PCU) | Delay (s) | Unsignalised level of service |
|--------|-----------------------|-------------------|-------|---------------------|-----------------|-----------|-------------------------------|
| B-C    | 61                    | 650               | 0.093 | 60                  | 0.1             | 6.104     | A                             |
| B-A    | 123                   | 567               | 0.218 | 123                 | 0.3             | 8.104     | A                             |
| C-AB   | 41                    | 623               | 0.066 | 41                  | 0.1             | 6.185     | A                             |
| C-A    | 39                    |                   |       | 39                  |                 |           |                               |
| A-B    | 66                    |                   |       | 66                  |                 |           |                               |
| A-C    | 25                    |                   |       | 25                  |                 |           |                               |

#### 00:45 - 01:00

| Stream | Total Demand (PCU/hr) | Capacity (PCU/hr) | RFC   | Throughput (PCU/hr) | End queue (PCU) | Delay (s) | Unsignalised level of service |
|--------|-----------------------|-------------------|-------|---------------------|-----------------|-----------|-------------------------------|
| B-C    | 61                    | 650               | 0.093 | 61                  | 0.1             | 6.105     | A                             |
| B-A    | 123                   | 567               | 0.218 | 123                 | 0.3             | 8.115     | A                             |
| C-AB   | 41                    | 623               | 0.066 | 41                  | 0.1             | 6.185     | A                             |
| C-A    | 39                    |                   |       | 39                  |                 |           |                               |
| A-B    | 66                    |                   |       | 66                  |                 |           |                               |
| A-C    | 25                    |                   |       | 25                  |                 |           |                               |

**01:00 - 01:15**

| Stream | Total Demand (PCU/hr) | Capacity (PCU/hr) | RFC   | Throughput (PCU/hr) | End queue (PCU) | Delay (s) | Unsignalised level of service |
|--------|-----------------------|-------------------|-------|---------------------|-----------------|-----------|-------------------------------|
| B-C    | 49                    | 660               | 0.075 | 50                  | 0.1             | 5.896     | A                             |
| B-A    | 101                   | 573               | 0.176 | 101                 | 0.2             | 7.627     | A                             |
| C-AB   | 33                    | 622               | 0.054 | 33                  | 0.1             | 6.119     | A                             |
| C-A    | 32                    |                   |       | 32                  |                 |           |                               |
| A-B    | 54                    |                   |       | 54                  |                 |           |                               |
| A-C    | 21                    |                   |       | 21                  |                 |           |                               |

**01:15 - 01:30**

| Stream | Total Demand (PCU/hr) | Capacity (PCU/hr) | RFC   | Throughput (PCU/hr) | End queue (PCU) | Delay (s) | Unsignalised level of service |
|--------|-----------------------|-------------------|-------|---------------------|-----------------|-----------|-------------------------------|
| B-C    | 41                    | 667               | 0.062 | 41                  | 0.1             | 5.753     | A                             |
| B-A    | 84                    | 578               | 0.146 | 84                  | 0.2             | 7.303     | A                             |
| C-AB   | 28                    | 621               | 0.045 | 28                  | 0.1             | 6.071     | A                             |
| C-A    | 27                    |                   |       | 27                  |                 |           |                               |
| A-B    | 45                    |                   |       | 45                  |                 |           |                               |
| A-C    | 17                    |                   |       | 17                  |                 |           |                               |

# 2028 Assess Re-dist, AM

## Data Errors and Warnings

| Severity | Area        | Item | Description                                                                                                                                                                                  |
|----------|-------------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Warning  | Vehicle Mix |      | HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning. |

## Junction Network

### Junctions

| Junction | Name                                     | Junction type | Major road direction | Use circulating lanes | Junction Delay (s) | Junction LOS |
|----------|------------------------------------------|---------------|----------------------|-----------------------|--------------------|--------------|
| 1        | B5098 / Vicarage Hill Priority Junction; | T-Junction    | Two-way              |                       | 3.25               | A            |

### Junction Network Options

| Driving side | Lighting       |
|--------------|----------------|
| Left         | Normal/unknown |

## Traffic Demand

### Demand Set Details

| ID | Scenario name       | Time Period name | Traffic profile type | Start time (HH:mm) | Finish time (HH:mm) | Time segment length (min) |
|----|---------------------|------------------|----------------------|--------------------|---------------------|---------------------------|
| D3 | 2028 Assess Re-dist | AM               | ONE HOUR             | 00:00              | 01:30               | 15                        |

| Vehicle mix source | PCU Factor for a HV (PCU) |
|--------------------|---------------------------|
| HV Percentages     | 2.00                      |

### Demand overview (Traffic)

| Arm | Linked arm | Use O-D data | Average Demand (PCU/hr) | Scaling Factor (%) |
|-----|------------|--------------|-------------------------|--------------------|
| A   |            | ✓            | 207                     | 100.000            |
| B   |            | ✓            | 132                     | 100.000            |
| C   |            | ✓            | 104                     | 100.000            |

## Origin-Destination Data

### Demand (PCU/hr)

|      | To |    |     |    |
|------|----|----|-----|----|
|      | A  | B  | C   |    |
| From | A  | 0  | 159 | 48 |
|      | B  | 92 | 0   | 40 |
|      | C  | 47 | 57  | 0  |
|      |    |    |     |    |

## Vehicle Mix

### Heavy Vehicle Percentages

|      | To |   |   |   |
|------|----|---|---|---|
|      | A  | B | C |   |
| From | A  | 0 | 0 | 0 |
|      | B  | 0 | 0 | 0 |
|      | C  | 0 | 0 | 0 |
|      |    |   |   |   |

## Results

### Results Summary for whole modelled period

| Stream | Max RFC | Max Delay (s) | Max Queue (PCU) | Max LOS |
|--------|---------|---------------|-----------------|---------|
| B-C    | 0.07    | 6.09          | 0.1             | A       |
| B-A    | 0.19    | 8.49          | 0.2             | A       |
| C-AB   | 0.11    | 6.76          | 0.1             | A       |
| C-A    |         |               |                 |         |
| A-B    |         |               |                 |         |
| A-C    |         |               |                 |         |

### Main Results for each time segment

#### 00:00 - 00:15

| Stream | Total Demand (PCU/hr) | Capacity (PCU/hr) | RFC   | Throughput (PCU/hr) | End queue (PCU) | Delay (s) | Unsignalised level of service |
|--------|-----------------------|-------------------|-------|---------------------|-----------------|-----------|-------------------------------|
| B-C    | 30                    | 656               | 0.046 | 30                  | 0.0             | 5.749     | A                             |
| B-A    | 69                    | 544               | 0.127 | 69                  | 0.1             | 7.558     | A                             |
| C-AB   | 46                    | 605               | 0.075 | 45                  | 0.1             | 6.426     | A                             |
| C-A    | 33                    |                   |       | 33                  |                 |           |                               |
| A-B    | 120                   |                   |       | 120                 |                 |           |                               |
| A-C    | 36                    |                   |       | 36                  |                 |           |                               |

#### 00:15 - 00:30

| Stream | Total Demand (PCU/hr) | Capacity (PCU/hr) | RFC   | Throughput (PCU/hr) | End queue (PCU) | Delay (s) | Unsignalised level of service |
|--------|-----------------------|-------------------|-------|---------------------|-----------------|-----------|-------------------------------|
| B-C    | 36                    | 647               | 0.056 | 36                  | 0.1             | 5.888     | A                             |
| B-A    | 83                    | 536               | 0.154 | 83                  | 0.2             | 7.931     | A                             |
| C-AB   | 55                    | 604               | 0.091 | 55                  | 0.1             | 6.563     | A                             |
| C-A    | 38                    |                   |       | 38                  |                 |           |                               |
| A-B    | 143                   |                   |       | 143                 |                 |           |                               |
| A-C    | 43                    |                   |       | 43                  |                 |           |                               |

#### 00:30 - 00:45

| Stream | Total Demand (PCU/hr) | Capacity (PCU/hr) | RFC   | Throughput (PCU/hr) | End queue (PCU) | Delay (s) | Unsignalised level of service |
|--------|-----------------------|-------------------|-------|---------------------|-----------------|-----------|-------------------------------|
| B-C    | 44                    | 635               | 0.069 | 44                  | 0.1             | 6.090     | A                             |
| B-A    | 101                   | 525               | 0.193 | 101                 | 0.2             | 8.481     | A                             |
| C-AB   | 69                    | 601               | 0.114 | 69                  | 0.1             | 6.759     | A                             |
| C-A    | 46                    |                   |       | 46                  |                 |           |                               |
| A-B    | 175                   |                   |       | 175                 |                 |           |                               |
| A-C    | 53                    |                   |       | 53                  |                 |           |                               |

#### 00:45 - 01:00

| Stream | Total Demand (PCU/hr) | Capacity (PCU/hr) | RFC   | Throughput (PCU/hr) | End queue (PCU) | Delay (s) | Unsignalised level of service |
|--------|-----------------------|-------------------|-------|---------------------|-----------------|-----------|-------------------------------|
| B-C    | 44                    | 635               | 0.069 | 44                  | 0.1             | 6.091     | A                             |
| B-A    | 101                   | 525               | 0.193 | 101                 | 0.2             | 8.490     | A                             |
| C-AB   | 69                    | 601               | 0.114 | 69                  | 0.1             | 6.760     | A                             |
| C-A    | 46                    |                   |       | 46                  |                 |           |                               |
| A-B    | 175                   |                   |       | 175                 |                 |           |                               |
| A-C    | 53                    |                   |       | 53                  |                 |           |                               |

**01:00 - 01:15**

| Stream | Total Demand (PCU/hr) | Capacity (PCU/hr) | RFC   | Throughput (PCU/hr) | End queue (PCU) | Delay (s) | Unsignalised level of service |
|--------|-----------------------|-------------------|-------|---------------------|-----------------|-----------|-------------------------------|
| B-C    | 36                    | 647               | 0.056 | 36                  | 0.1             | 5.893     | A                             |
| B-A    | 83                    | 536               | 0.154 | 83                  | 0.2             | 7.944     | A                             |
| C-AB   | 55                    | 604               | 0.091 | 55                  | 0.1             | 6.569     | A                             |
| C-A    | 38                    |                   |       | 38                  |                 |           |                               |
| A-B    | 143                   |                   |       | 143                 |                 |           |                               |
| A-C    | 43                    |                   |       | 43                  |                 |           |                               |

**01:15 - 01:30**

| Stream | Total Demand (PCU/hr) | Capacity (PCU/hr) | RFC   | Throughput (PCU/hr) | End queue (PCU) | Delay (s) | Unsignalised level of service |
|--------|-----------------------|-------------------|-------|---------------------|-----------------|-----------|-------------------------------|
| B-C    | 30                    | 656               | 0.046 | 30                  | 0.0             | 5.755     | A                             |
| B-A    | 69                    | 544               | 0.127 | 69                  | 0.1             | 7.585     | A                             |
| C-AB   | 46                    | 605               | 0.075 | 46                  | 0.1             | 6.436     | A                             |
| C-A    | 33                    |                   |       | 33                  |                 |           |                               |
| A-B    | 120                   |                   |       | 120                 |                 |           |                               |
| A-C    | 36                    |                   |       | 36                  |                 |           |                               |

# 2028 Assess Re-dist, PM

## Data Errors and Warnings

No errors or warnings

## Junction Network

### Junctions

| Junction | Name                                     | Junction type | Major road direction | Use circulating lanes | Junction Delay (s) | Junction LOS |
|----------|------------------------------------------|---------------|----------------------|-----------------------|--------------------|--------------|
| 1        | B5098 / Vicarage Hill Priority Junction; | T-Junction    | Two-way              |                       | 5.16               | A            |

### Junction Network Options

| Driving side | Lighting       |
|--------------|----------------|
| Left         | Normal/unknown |

## Traffic Demand

### Demand Set Details

| ID | Scenario name       | Time Period name | Traffic profile type | Start time (HH:mm) | Finish time (HH:mm) | Time segment length (min) |
|----|---------------------|------------------|----------------------|--------------------|---------------------|---------------------------|
| D4 | 2028 Assess Re-dist | PM               | ONE HOUR             | 00:00              | 01:30               | 15                        |

| Vehicle mix source | PCU Factor for a HV (PCU) |
|--------------------|---------------------------|
| HV Percentages     | 2.00                      |

### Demand overview (Traffic)

| Arm | Linked arm | Use O-D data | Average Demand (PCU/hr) | Scaling Factor (%) |
|-----|------------|--------------|-------------------------|--------------------|
| A   |            | ✓            | 89                      | 100.000            |
| B   |            | ✓            | 172                     | 100.000            |
| C   |            | ✓            | 73                      | 100.000            |

## Origin-Destination Data

### Demand (PCU/hr)

|      | To |     |    |    |
|------|----|-----|----|----|
|      | A  | B   | C  |    |
| From | A  | 0   | 66 | 23 |
|      | B  | 117 | 0  | 55 |
|      | C  | 38  | 35 | 0  |
|      |    |     |    |    |

## Vehicle Mix

### Heavy Vehicle Percentages

|      | To |    |    |    |
|------|----|----|----|----|
|      | A  | B  | C  |    |
| From | A  | 0  | 10 | 10 |
|      | B  | 10 | 0  | 10 |
|      | C  | 10 | 10 | 0  |
|      |    |    |    |    |

## Results

### Results Summary for whole modelled period

| Stream | Max RFC | Max Delay (s) | Max Queue (PCU) | Max LOS |
|--------|---------|---------------|-----------------|---------|
| B-C    | 0.09    | 6.78          | 0.1             | A       |
| B-A    | 0.23    | 9.38          | 0.3             | A       |
| C-AB   | 0.07    | 6.82          | 0.1             | A       |
| C-A    |         |               |                 |         |
| A-B    |         |               |                 |         |
| A-C    |         |               |                 |         |

### Main Results for each time segment

#### 00:00 - 00:15

| Stream | Total Demand (PCU/hr) | Capacity (PCU/hr) | RFC   | Throughput (PCU/hr) | End queue (PCU) | Delay (s) | Unsignalised level of service |
|--------|-----------------------|-------------------|-------|---------------------|-----------------|-----------|-------------------------------|
| B-C    | 41                    | 664               | 0.062 | 41                  | 0.1             | 6.356     | A                             |
| B-A    | 88                    | 562               | 0.157 | 87                  | 0.2             | 8.335     | A                             |
| C-AB   | 28                    | 620               | 0.045 | 27                  | 0.1             | 6.685     | A                             |
| C-A    | 27                    |                   |       | 27                  |                 |           |                               |
| A-B    | 50                    |                   |       | 50                  |                 |           |                               |
| A-C    | 17                    |                   |       | 17                  |                 |           |                               |

#### 00:15 - 00:30

| Stream | Total Demand (PCU/hr) | Capacity (PCU/hr) | RFC   | Throughput (PCU/hr) | End queue (PCU) | Delay (s) | Unsignalised level of service |
|--------|-----------------------|-------------------|-------|---------------------|-----------------|-----------|-------------------------------|
| B-C    | 49                    | 656               | 0.075 | 49                  | 0.1             | 6.529     | A                             |
| B-A    | 105                   | 557               | 0.189 | 105                 | 0.3             | 8.755     | A                             |
| C-AB   | 33                    | 621               | 0.054 | 33                  | 0.1             | 6.742     | A                             |
| C-A    | 32                    |                   |       | 32                  |                 |           |                               |
| A-B    | 59                    |                   |       | 59                  |                 |           |                               |
| A-C    | 21                    |                   |       | 21                  |                 |           |                               |

#### 00:30 - 00:45

| Stream | Total Demand (PCU/hr) | Capacity (PCU/hr) | RFC   | Throughput (PCU/hr) | End queue (PCU) | Delay (s) | Unsignalised level of service |
|--------|-----------------------|-------------------|-------|---------------------|-----------------|-----------|-------------------------------|
| B-C    | 61                    | 645               | 0.094 | 60                  | 0.1             | 6.778     | A                             |
| B-A    | 129                   | 551               | 0.234 | 129                 | 0.3             | 9.368     | A                             |
| C-AB   | 41                    | 622               | 0.066 | 41                  | 0.1             | 6.820     | A                             |
| C-A    | 39                    |                   |       | 39                  |                 |           |                               |
| A-B    | 73                    |                   |       | 73                  |                 |           |                               |
| A-C    | 25                    |                   |       | 25                  |                 |           |                               |

#### 00:45 - 01:00

| Stream | Total Demand (PCU/hr) | Capacity (PCU/hr) | RFC   | Throughput (PCU/hr) | End queue (PCU) | Delay (s) | Unsignalised level of service |
|--------|-----------------------|-------------------|-------|---------------------|-----------------|-----------|-------------------------------|
| B-C    | 61                    | 645               | 0.094 | 61                  | 0.1             | 6.780     | A                             |
| B-A    | 129                   | 551               | 0.234 | 129                 | 0.3             | 9.381     | A                             |
| C-AB   | 41                    | 622               | 0.066 | 41                  | 0.1             | 6.823     | A                             |
| C-A    | 39                    |                   |       | 39                  |                 |           |                               |
| A-B    | 73                    |                   |       | 73                  |                 |           |                               |
| A-C    | 25                    |                   |       | 25                  |                 |           |                               |

**01:00 - 01:15**

| Stream | Total Demand (PCU/hr) | Capacity (PCU/hr) | RFC   | Throughput (PCU/hr) | End queue (PCU) | Delay (s) | Unsignalised level of service |
|--------|-----------------------|-------------------|-------|---------------------|-----------------|-----------|-------------------------------|
| B-C    | 49                    | 656               | 0.075 | 50                  | 0.1             | 6.536     | A                             |
| B-A    | 105                   | 557               | 0.189 | 105                 | 0.3             | 8.774     | A                             |
| C-AB   | 33                    | 621               | 0.054 | 33                  | 0.1             | 6.744     | A                             |
| C-A    | 32                    |                   |       | 32                  |                 |           |                               |
| A-B    | 59                    |                   |       | 59                  |                 |           |                               |
| A-C    | 21                    |                   |       | 21                  |                 |           |                               |

**01:15 - 01:30**

| Stream | Total Demand (PCU/hr) | Capacity (PCU/hr) | RFC   | Throughput (PCU/hr) | End queue (PCU) | Delay (s) | Unsignalised level of service |
|--------|-----------------------|-------------------|-------|---------------------|-----------------|-----------|-------------------------------|
| B-C    | 41                    | 663               | 0.062 | 41                  | 0.1             | 6.367     | A                             |
| B-A    | 88                    | 561               | 0.157 | 88                  | 0.2             | 8.372     | A                             |
| C-AB   | 28                    | 620               | 0.045 | 28                  | 0.1             | 6.689     | A                             |
| C-A    | 27                    |                   |       | 27                  |                 |           |                               |
| A-B    | 50                    |                   |       | 50                  |                 |           |                               |
| A-C    | 17                    |                   |       | 17                  |                 |           |                               |

# 2022 Survey, AM

## Data Errors and Warnings

| Severity | Area        | Item | Description                                                                                                                                                                                  |
|----------|-------------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Warning  | Vehicle Mix |      | HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning. |

## Junction Network

### Junctions

| Junction | Name                                     | Junction type | Major road direction | Use circulating lanes | Junction Delay (s) | Junction LOS |
|----------|------------------------------------------|---------------|----------------------|-----------------------|--------------------|--------------|
| 1        | B5098 / Vicarage Hill Priority Junction; | T-Junction    | Two-way              |                       | 3.03               | A            |

### Junction Network Options

| Driving side | Lighting       |
|--------------|----------------|
| Left         | Normal/unknown |

## Traffic Demand

### Demand Set Details

| ID | Scenario name | Time Period name | Traffic profile type | Start time (HH:mm) | Finish time (HH:mm) | Time segment length (min) |
|----|---------------|------------------|----------------------|--------------------|---------------------|---------------------------|
| D5 | 2022 Survey   | AM               | ONE HOUR             | 00:00              | 01:30               | 15                        |

| Vehicle mix source | PCU Factor for a HV (PCU) |
|--------------------|---------------------------|
| HV Percentages     | 2.00                      |

### Demand overview (Traffic)

| Arm | Linked arm | Use O-D data | Average Demand (PCU/hr) | Scaling Factor (%) |
|-----|------------|--------------|-------------------------|--------------------|
| A   |            | ✓            | 191                     | 100.000            |
| B   |            | ✓            | 116                     | 100.000            |
| C   |            | ✓            | 99                      | 100.000            |

## Origin-Destination Data

### Demand (PCU/hr)

|      | To |     |    |  |
|------|----|-----|----|--|
| From | A  | B   | C  |  |
|      | 0  | 146 | 45 |  |
|      | 78 | 0   | 38 |  |
|      | 45 | 54  | 0  |  |

## Vehicle Mix

### Heavy Vehicle Percentages

|      | To |   |   |  |
|------|----|---|---|--|
| From | A  | B | C |  |
|      | 0  | 0 | 0 |  |
|      | 0  | 0 | 0 |  |
|      | 0  | 0 | 0 |  |

## Results

### Results Summary for whole modelled period

| Stream | Max RFC | Max Delay (s) | Max Queue (PCU) | Max LOS |
|--------|---------|---------------|-----------------|---------|
| B-C    | 0.06    | 5.95          | 0.1             | A       |
| B-A    | 0.16    | 7.88          | 0.2             | A       |
| C-AB   | 0.11    | 6.68          | 0.1             | A       |
| C-A    |         |               |                 |         |
| A-B    |         |               |                 |         |
| A-C    |         |               |                 |         |

### Main Results for each time segment

#### 00:00 - 00:15

| Stream | Total Demand (PCU/hr) | Capacity (PCU/hr) | RFC   | Throughput (PCU/hr) | End queue (PCU) | Delay (s) | Unsignalised level of service |
|--------|-----------------------|-------------------|-------|---------------------|-----------------|-----------|-------------------------------|
| B-C    | 29                    | 664               | 0.043 | 28                  | 0.0             | 5.658     | A                             |
| B-A    | 59                    | 561               | 0.105 | 58                  | 0.1             | 7.152     | A                             |
| C-AB   | 43                    | 607               | 0.071 | 43                  | 0.1             | 6.379     | A                             |
| C-A    | 31                    |                   |       | 31                  |                 |           |                               |
| A-B    | 110                   |                   |       | 110                 |                 |           |                               |
| A-C    | 34                    |                   |       | 34                  |                 |           |                               |

#### 00:15 - 00:30

| Stream | Total Demand (PCU/hr) | Capacity (PCU/hr) | RFC   | Throughput (PCU/hr) | End queue (PCU) | Delay (s) | Unsignalised level of service |
|--------|-----------------------|-------------------|-------|---------------------|-----------------|-----------|-------------------------------|
| B-C    | 34                    | 657               | 0.052 | 34                  | 0.1             | 5.780     | A                             |
| B-A    | 70                    | 553               | 0.127 | 70                  | 0.1             | 7.444     | A                             |
| C-AB   | 52                    | 605               | 0.086 | 52                  | 0.1             | 6.505     | A                             |
| C-A    | 37                    |                   |       | 37                  |                 |           |                               |
| A-B    | 131                   |                   |       | 131                 |                 |           |                               |
| A-C    | 40                    |                   |       | 40                  |                 |           |                               |

#### 00:30 - 00:45

| Stream | Total Demand (PCU/hr) | Capacity (PCU/hr) | RFC   | Throughput (PCU/hr) | End queue (PCU) | Delay (s) | Unsignalised level of service |
|--------|-----------------------|-------------------|-------|---------------------|-----------------|-----------|-------------------------------|
| B-C    | 42                    | 646               | 0.065 | 42                  | 0.1             | 5.953     | A                             |
| B-A    | 86                    | 543               | 0.158 | 86                  | 0.2             | 7.872     | A                             |
| C-AB   | 65                    | 603               | 0.107 | 65                  | 0.1             | 6.682     | A                             |
| C-A    | 44                    |                   |       | 44                  |                 |           |                               |
| A-B    | 161                   |                   |       | 161                 |                 |           |                               |
| A-C    | 50                    |                   |       | 50                  |                 |           |                               |

#### 00:45 - 01:00

| Stream | Total Demand (PCU/hr) | Capacity (PCU/hr) | RFC   | Throughput (PCU/hr) | End queue (PCU) | Delay (s) | Unsignalised level of service |
|--------|-----------------------|-------------------|-------|---------------------|-----------------|-----------|-------------------------------|
| B-C    | 42                    | 646               | 0.065 | 42                  | 0.1             | 5.954     | A                             |
| B-A    | 86                    | 543               | 0.158 | 86                  | 0.2             | 7.877     | A                             |
| C-AB   | 65                    | 603               | 0.107 | 65                  | 0.1             | 6.683     | A                             |
| C-A    | 44                    |                   |       | 44                  |                 |           |                               |
| A-B    | 161                   |                   |       | 161                 |                 |           |                               |
| A-C    | 50                    |                   |       | 50                  |                 |           |                               |

**01:00 - 01:15**

| Stream | Total Demand (PCU/hr) | Capacity (PCU/hr) | RFC   | Throughput (PCU/hr) | End queue (PCU) | Delay (s) | Unsignalised level of service |
|--------|-----------------------|-------------------|-------|---------------------|-----------------|-----------|-------------------------------|
| B-C    | 34                    | 657               | 0.052 | 34                  | 0.1             | 5.782     | A                             |
| B-A    | 70                    | 553               | 0.127 | 70                  | 0.1             | 7.452     | A                             |
| C-AB   | 52                    | 605               | 0.086 | 52                  | 0.1             | 6.511     | A                             |
| C-A    | 37                    |                   |       | 37                  |                 |           |                               |
| A-B    | 131                   |                   |       | 131                 |                 |           |                               |
| A-C    | 40                    |                   |       | 40                  |                 |           |                               |

**01:15 - 01:30**

| Stream | Total Demand (PCU/hr) | Capacity (PCU/hr) | RFC   | Throughput (PCU/hr) | End queue (PCU) | Delay (s) | Unsignalised level of service |
|--------|-----------------------|-------------------|-------|---------------------|-----------------|-----------|-------------------------------|
| B-C    | 29                    | 664               | 0.043 | 29                  | 0.0             | 5.663     | A                             |
| B-A    | 59                    | 561               | 0.105 | 59                  | 0.1             | 7.171     | A                             |
| C-AB   | 43                    | 607               | 0.071 | 43                  | 0.1             | 6.389     | A                             |
| C-A    | 31                    |                   |       | 31                  |                 |           |                               |
| A-B    | 110                   |                   |       | 110                 |                 |           |                               |
| A-C    | 34                    |                   |       | 34                  |                 |           |                               |

# 2022 Survey, PM

## Data Errors and Warnings

| Severity | Area        | Item | Description                                                                                                                                                                                  |
|----------|-------------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Warning  | Vehicle Mix |      | HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning. |

## Junction Network

### Junctions

| Junction | Name                                     | Junction type | Major road direction | Use circulating lanes | Junction Delay (s) | Junction LOS |
|----------|------------------------------------------|---------------|----------------------|-----------------------|--------------------|--------------|
| 1        | B5098 / Vicarage Hill Priority Junction; | T-Junction    | Two-way              |                       | 4.48               | A            |

### Junction Network Options

| Driving side | Lighting       |
|--------------|----------------|
| Left         | Normal/unknown |

## Traffic Demand

### Demand Set Details

| ID | Scenario name | Time Period name | Traffic profile type | Start time (HH:mm) | Finish time (HH:mm) | Time segment length (min) |
|----|---------------|------------------|----------------------|--------------------|---------------------|---------------------------|
| D6 | 2022 Survey   | PM               | ONE HOUR             | 00:00              | 01:30               | 15                        |

| Vehicle mix source | PCU Factor for a HV (PCU) |
|--------------------|---------------------------|
| HV Percentages     | 2.00                      |

### Demand overview (Traffic)

| Arm | Linked arm | Use O-D data | Average Demand (PCU/hr) | Scaling Factor (%) |
|-----|------------|--------------|-------------------------|--------------------|
| A   |            | ✓            | 78                      | 100.000            |
| B   |            | ✓            | 156                     | 100.000            |
| C   |            | ✓            | 69                      | 100.000            |

## Origin-Destination Data

### Demand (PCU/hr)

|      | To |     |    |    |
|------|----|-----|----|----|
|      | A  | B   | C  |    |
| From | A  | 0   | 56 | 22 |
|      | B  | 105 | 0  | 51 |
|      | C  | 36  | 33 | 0  |
|      |    |     |    |    |

## Vehicle Mix

### Heavy Vehicle Percentages

|      | To |   |   |   |
|------|----|---|---|---|
|      | A  | B | C |   |
| From | A  | 0 | 0 | 0 |
|      | B  | 0 | 0 | 0 |
|      | C  | 0 | 0 | 0 |
|      |    |   |   |   |

## Results

### Results Summary for whole modelled period

| Stream | Max RFC | Max Delay (s) | Max Queue (PCU) | Max LOS |
|--------|---------|---------------|-----------------|---------|
| B-C    | 0.09    | 6.03          | 0.1             | A       |
| B-A    | 0.20    | 7.94          | 0.3             | A       |
| C-AB   | 0.06    | 6.16          | 0.1             | A       |
| C-A    |         |               |                 |         |
| A-B    |         |               |                 |         |
| A-C    |         |               |                 |         |

### Main Results for each time segment

#### 00:00 - 00:15

| Stream | Total Demand (PCU/hr) | Capacity (PCU/hr) | RFC   | Throughput (PCU/hr) | End queue (PCU) | Delay (s) | Unsignalised level of service |
|--------|-----------------------|-------------------|-------|---------------------|-----------------|-----------|-------------------------------|
| B-C    | 38                    | 669               | 0.057 | 38                  | 0.1             | 5.703     | A                             |
| B-A    | 79                    | 579               | 0.137 | 78                  | 0.2             | 7.181     | A                             |
| C-AB   | 26                    | 620               | 0.042 | 26                  | 0.0             | 6.053     | A                             |
| C-A    | 26                    |                   |       | 26                  |                 |           |                               |
| A-B    | 42                    |                   |       | 42                  |                 |           |                               |
| A-C    | 17                    |                   |       | 17                  |                 |           |                               |

#### 00:15 - 00:30

| Stream | Total Demand (PCU/hr) | Capacity (PCU/hr) | RFC   | Throughput (PCU/hr) | End queue (PCU) | Delay (s) | Unsignalised level of service |
|--------|-----------------------|-------------------|-------|---------------------|-----------------|-----------|-------------------------------|
| B-C    | 46                    | 663               | 0.069 | 46                  | 0.1             | 5.835     | A                             |
| B-A    | 94                    | 575               | 0.164 | 94                  | 0.2             | 7.488     | A                             |
| C-AB   | 31                    | 621               | 0.050 | 31                  | 0.1             | 6.099     | A                             |
| C-A    | 31                    |                   |       | 31                  |                 |           |                               |
| A-B    | 50                    |                   |       | 50                  |                 |           |                               |
| A-C    | 20                    |                   |       | 20                  |                 |           |                               |

#### 00:30 - 00:45

| Stream | Total Demand (PCU/hr) | Capacity (PCU/hr) | RFC   | Throughput (PCU/hr) | End queue (PCU) | Delay (s) | Unsignalised level of service |
|--------|-----------------------|-------------------|-------|---------------------|-----------------|-----------|-------------------------------|
| B-C    | 56                    | 653               | 0.086 | 56                  | 0.1             | 6.027     | A                             |
| B-A    | 116                   | 569               | 0.203 | 115                 | 0.3             | 7.931     | A                             |
| C-AB   | 39                    | 623               | 0.062 | 39                  | 0.1             | 6.161     | A                             |
| C-A    | 37                    |                   |       | 37                  |                 |           |                               |
| A-B    | 62                    |                   |       | 62                  |                 |           |                               |
| A-C    | 24                    |                   |       | 24                  |                 |           |                               |

#### 00:45 - 01:00

| Stream | Total Demand (PCU/hr) | Capacity (PCU/hr) | RFC   | Throughput (PCU/hr) | End queue (PCU) | Delay (s) | Unsignalised level of service |
|--------|-----------------------|-------------------|-------|---------------------|-----------------|-----------|-------------------------------|
| B-C    | 56                    | 653               | 0.086 | 56                  | 0.1             | 6.028     | A                             |
| B-A    | 116                   | 569               | 0.203 | 116                 | 0.3             | 7.939     | A                             |
| C-AB   | 39                    | 623               | 0.062 | 39                  | 0.1             | 6.162     | A                             |
| C-A    | 37                    |                   |       | 37                  |                 |           |                               |
| A-B    | 62                    |                   |       | 62                  |                 |           |                               |
| A-C    | 24                    |                   |       | 24                  |                 |           |                               |

**01:00 - 01:15**

| Stream | Total Demand (PCU/hr) | Capacity (PCU/hr) | RFC   | Throughput (PCU/hr) | End queue (PCU) | Delay (s) | Unsignalised level of service |
|--------|-----------------------|-------------------|-------|---------------------|-----------------|-----------|-------------------------------|
| B-C    | 46                    | 662               | 0.069 | 46                  | 0.1             | 5.838     | A                             |
| B-A    | 94                    | 575               | 0.164 | 95                  | 0.2             | 7.501     | A                             |
| C-AB   | 31                    | 621               | 0.050 | 31                  | 0.1             | 6.103     | A                             |
| C-A    | 31                    |                   |       | 31                  |                 |           |                               |
| A-B    | 50                    |                   |       | 50                  |                 |           |                               |
| A-C    | 20                    |                   |       | 20                  |                 |           |                               |

**01:15 - 01:30**

| Stream | Total Demand (PCU/hr) | Capacity (PCU/hr) | RFC   | Throughput (PCU/hr) | End queue (PCU) | Delay (s) | Unsignalised level of service |
|--------|-----------------------|-------------------|-------|---------------------|-----------------|-----------|-------------------------------|
| B-C    | 38                    | 669               | 0.057 | 38                  | 0.1             | 5.710     | A                             |
| B-A    | 79                    | 579               | 0.137 | 79                  | 0.2             | 7.206     | A                             |
| C-AB   | 26                    | 620               | 0.042 | 26                  | 0.0             | 6.059     | A                             |
| C-A    | 26                    |                   |       | 26                  |                 |           |                               |
| A-B    | 42                    |                   |       | 42                  |                 |           |                               |
| A-C    | 17                    |                   |       | 17                  |                 |           |                               |