

## Project Information:

Project Name: Biennale Office HQ  
Project Number:  
Code Compliance: EN  
Client Name:  
Lift Designer:  
Checked By:

## Building Address:

Building Name:  
City:  
State/County:  
Country:  
Office Location:  
Postal/Zip Code:

## Simulation Information:

Simulation Name: Biennale Solution 1  
Date: 5/9/2014  
Notes:

## Vertical Transportation Diagram

Project: Biennale Office HQ

Simulation: Biennale Solution 1

Date: 5/9/2014

| Floor No.        | Fl to Fl Height (mm) | Population (persons) |  |  |  |  |
|------------------|----------------------|----------------------|--|--|--|--|
| 16               | 4000                 | 120.0                |  |  |  |  |
| 15               | 4000                 | 120.0                |  |  |  |  |
| 14               | 4000                 | 120.0                |  |  |  |  |
| 13               | 4000                 | 120.0                |  |  |  |  |
| 12               | 4000                 | 120.0                |  |  |  |  |
| 11               | 4000                 | 120.0                |  |  |  |  |
| 10               | 4000                 | 120.0                |  |  |  |  |
| 9                | 4000                 | 120.0                |  |  |  |  |
| 8                | 4000                 | 120.0                |  |  |  |  |
| 7                | 4000                 | 120.0                |  |  |  |  |
| 6                | 4000                 | 120.0                |  |  |  |  |
| 5                | 4000                 | 120.0                |  |  |  |  |
| 4                | 4000                 | 120.0                |  |  |  |  |
| 3                | 4000                 | 120.0                |  |  |  |  |
| 2                | 4000                 | 120.0                |  |  |  |  |
| 1                | 4000                 | 120.0                |  |  |  |  |
| 0                | 4000                 | 120.0                |  |  |  |  |
| Total Population |                      | 2040.0               |  |  |  |  |

## Diagram Key

|  |                     |
|--|---------------------|
|  | Lift Machine Room   |
|  | Lift Pit            |
|  | Lift Entrance       |
|  | Lobby Lift Entrance |

## Zone Summary

|  |                                                           |
|--|-----------------------------------------------------------|
|  | Office Single Tenant "Biennale", Passenger Lifts "Zone 1" |
|  | Office Single Tenant "Biennale", Passenger Lifts "Zone 2" |

## Office Single Tenant "Biennale", Passenger Lifts "Zone 1"

Traffic Control type      Destination  
Capacity Factor [%]      80  
Passenger Mass [kg]      75

### Traffic Scenarios:

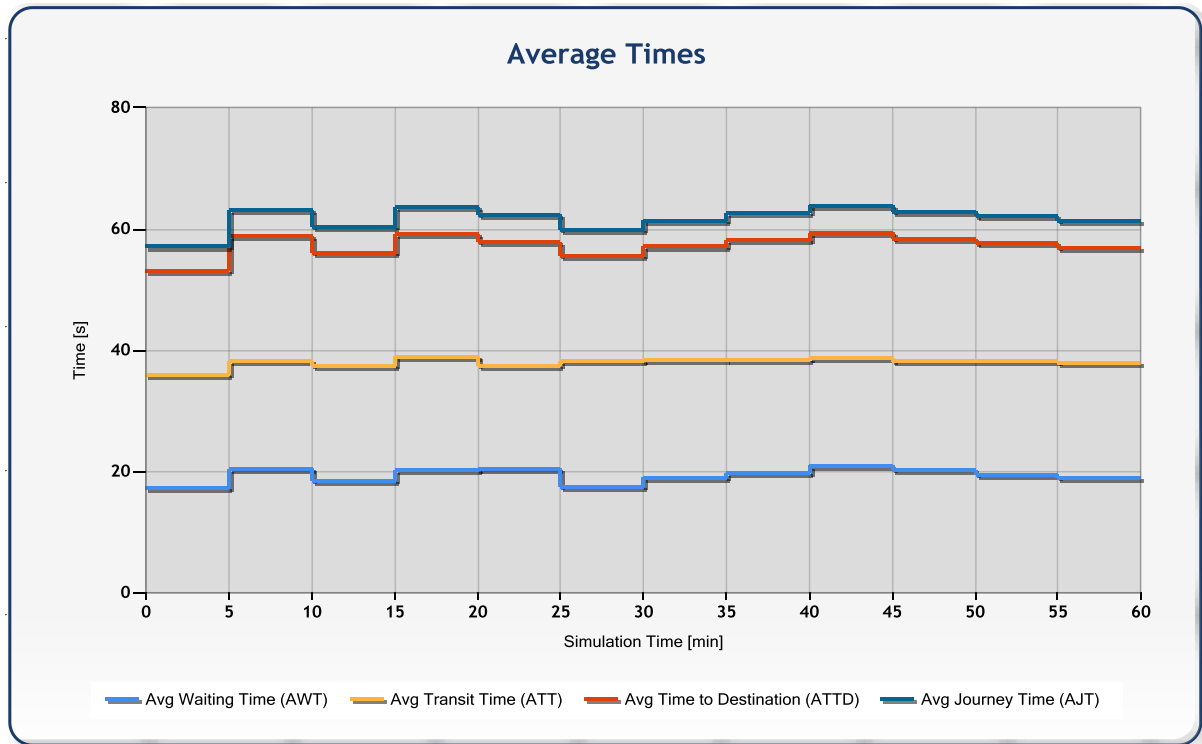
| Id | Pattern   | Incoming [%] | Outgoing [%] | Interfloor [%] | Profile  | Demand         | Runs | Seed | Entrance Floor | Bias [%] |
|----|-----------|--------------|--------------|----------------|----------|----------------|------|------|----------------|----------|
| 1  | Up Peak   | 100.0        | 0.0          | 0.0            | Constant | 15.0%<br>60min | 8    | 1    | 0              | 100.0    |
| 2  | Down Peak | 0.0          | 100.0        | 0.0            | Constant | 15.0%<br>60min | 8    | 1    | 0              | 100.0    |
| 3  | Lunch     | 40.0         | 40.0         | 20.0           | Constant | 12.0%<br>60min | 8    | 1    | 0              | 100.0    |

### Lift Configuration Data:

| Lift Number                      | A      | B      | C      | D      |
|----------------------------------|--------|--------|--------|--------|
| Decks                            | Single | Single | Single | Single |
| Lift Type                        | MR     | MR     | MR     | MR     |
| Capacity [kg]                    | 1350   | 1350   | 1350   | 1350   |
| Speed [m/s]                      | 1.6    | 1.6    | 1.6    | 1.6    |
| Acceleration [m/s <sup>2</sup> ] | 1.0    | 1.0    | 1.0    | 1.0    |
| Jerk [m/s <sup>3</sup> ]         | 1.5    | 1.5    | 1.5    | 1.5    |
| Motor Start Delay [s]            | 0.5    | 0.5    | 0.5    | 0.5    |
| Hall Call Dwell Time [s]         | 2.0    | 2.0    | 2.0    | 2.0    |
| Lobby Dwell Time [s]             | 3.0    | 3.0    | 3.0    | 3.0    |
| Door Type                        | Centre | Centre | Centre | Centre |
| Door Width [mm]                  | 1100   | 1100   | 1100   | 1100   |
| Loading Time [s]                 | 1.0    | 1.0    | 1.0    | 1.0    |
| Unloading Time [s]               | 1.0    | 1.0    | 1.0    | 1.0    |
| Opening Time [s]                 | 1.7    | 1.7    | 1.7    | 1.7    |
| Closing Time [s]                 | 2.5    | 2.5    | 2.5    | 2.5    |
| Preopening Time [s]              | 0.0    | 0.0    | 0.0    | 0.0    |
| Reopenings                       | 1      | 1      | 1      | 1      |

Project: Biennale Office HQ  
 Tenancy: Biennale  
 Simulation: Biennale Solution 1  
 Floor: All

Date: 5/9/2014  
 Zone: Zone 1  
 Traffic Scenario: (1) Up Peak

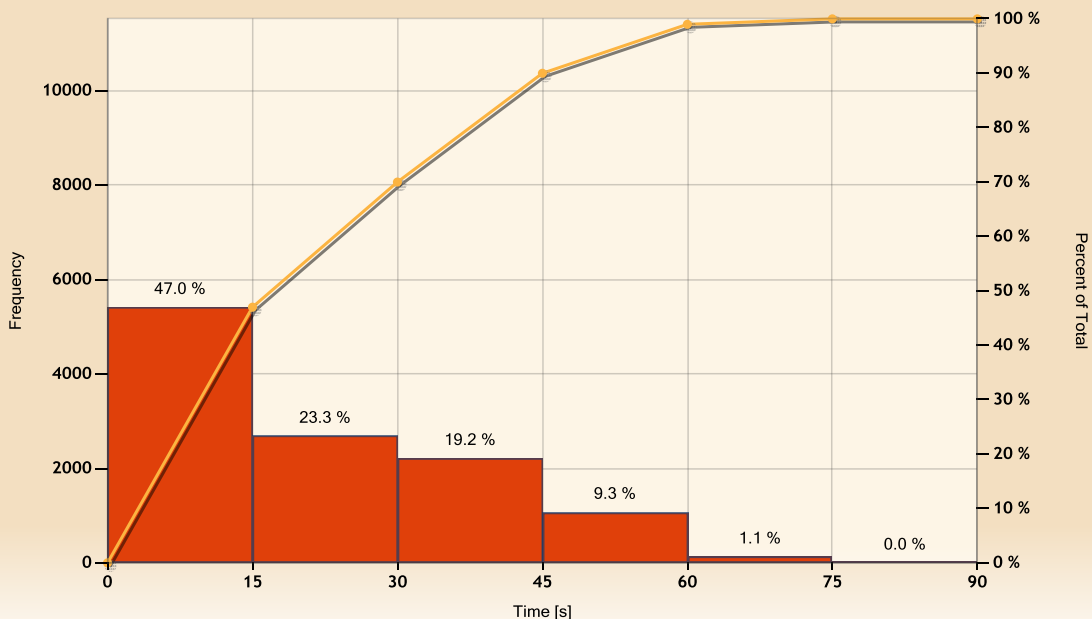


| Simulation Time [min] | AWT [s] | ATT [s] | ATTD [s] | AJT [s] |
|-----------------------|---------|---------|----------|---------|
| 5 - 55                | 19.7    | 38.2    | 57.9     | 62.2    |
| 0 - 5                 | 17.2    | 36      | 53.2     | 57.2    |
| 5 - 10                | 20.5    | 38.2    | 58.8     | 63.2    |
| 10 - 15               | 18.6    | 37.5    | 56.1     | 60.5    |
| 15 - 20               | 20.3    | 38.9    | 59.2     | 63.6    |
| 20 - 25               | 20.5    | 37.5    | 58       | 62.4    |
| 25 - 30               | 17.5    | 38.1    | 55.6     | 60      |
| 30 - 35               | 18.9    | 38.4    | 57.2     | 61.5    |
| 35 - 40               | 19.8    | 38.4    | 58.2     | 62.5    |
| 40 - 45               | 20.9    | 38.6    | 59.5     | 63.9    |
| 45 - 50               | 20.3    | 38.1    | 58.3     | 62.8    |
| 50 - 55               | 19.5    | 38.2    | 57.7     | 62      |
| 55 - 60               | 19.1    | 37.9    | 57       | 61.3    |

Project: Biennale Office HQ  
 Tenancy: Biennale  
 Simulation: Biennale Solution 1  
 Floor: All

Date: 5/9/2014  
 Zone: Zone 1  
 Traffic Scenario: (1) Up Peak

**Average Waiting Time Histogram (Frequency Diagram)**

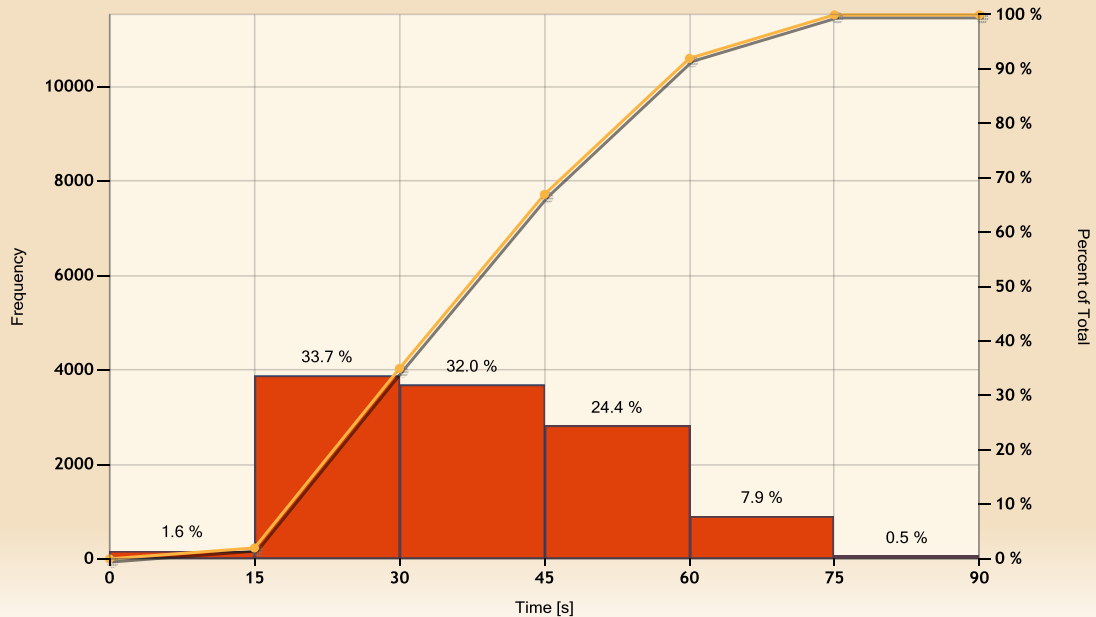


| Time [s] | Persons | Percent of Total [%] | Cumulative Percentage [%] |
|----------|---------|----------------------|---------------------------|
| 0 - 15   | 5414    | 47                   | 47                        |
| 15 - 30  | 2685    | 23.3                 | 70.3                      |
| 30 - 45  | 2215    | 19.2                 | 89.5                      |
| 45 - 60  | 1075    | 9.3                  | 98.9                      |
| 60 - 75  | 130     | 1.1                  | 100                       |
| 75 - 90  | 1       | 0                    | 100                       |

Project: Biennale Office HQ  
 Tenancy: Biennale  
 Simulation: Biennale Solution 1  
 Floor: All

Date: 5/9/2014  
 Zone: Zone 1  
 Traffic Scenario: (1) Up Peak

**Average Transit Time Histogram (Frequency Diagram)**

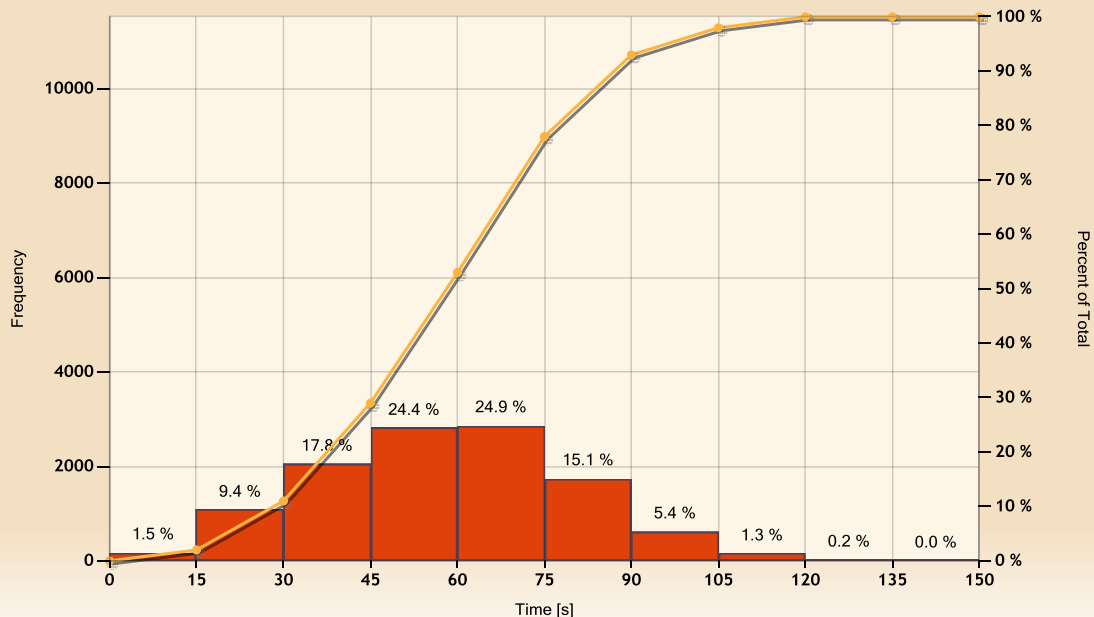


| Time [s] | Persons | Percent of Total [%] | Cumulative Percentage [%] |
|----------|---------|----------------------|---------------------------|
| 0 - 15   | 179     | 1.6                  | 1.6                       |
| 15 - 30  | 3884    | 33.7                 | 35.3                      |
| 30 - 45  | 3685    | 32                   | 67.3                      |
| 45 - 60  | 2813    | 24.4                 | 91.7                      |
| 60 - 75  | 905     | 7.9                  | 99.5                      |
| 75 - 90  | 54      | 0.5                  | 100                       |

Project: Biennale Office HQ  
 Tenancy: Biennale  
 Simulation: Biennale Solution 1  
 Floor: All

Date: 5/9/2014  
 Zone: Zone 1  
 Traffic Scenario: (1) Up Peak

**Average Time to Destination Histogram (Frequency Diagram)**

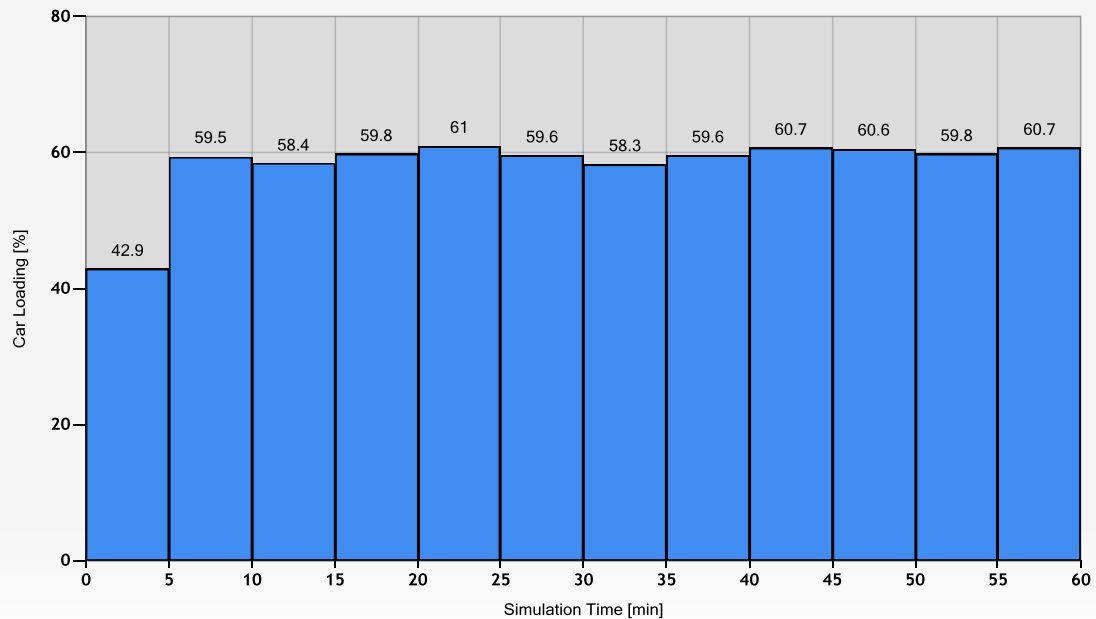


| Time [s]  | Persons | Percent of Total [%] | Cumulative Percentage [%] |
|-----------|---------|----------------------|---------------------------|
| 0 - 15    | 175     | 1.5                  | 1.5                       |
| 15 - 30   | 1078    | 9.4                  | 10.9                      |
| 30 - 45   | 2050    | 17.8                 | 28.7                      |
| 45 - 60   | 2811    | 24.4                 | 53.1                      |
| 60 - 75   | 2866    | 24.9                 | 78                        |
| 75 - 90   | 1744    | 15.1                 | 93.1                      |
| 90 - 105  | 619     | 5.4                  | 98.5                      |
| 105 - 120 | 152     | 1.3                  | 99.8                      |
| 120 - 135 | 22      | 0.2                  | 100                       |
| 135 - 150 | 3       | 0                    | 100                       |

Project: Biennale Office HQ  
 Tenancy: Biennale  
 Simulation: Biennale Solution 1  
 Floor: 0

Date: 5/9/2014  
 Zone: Zone 1  
 Traffic Scenario: (1) Up Peak

## Average Car Loading on Departure

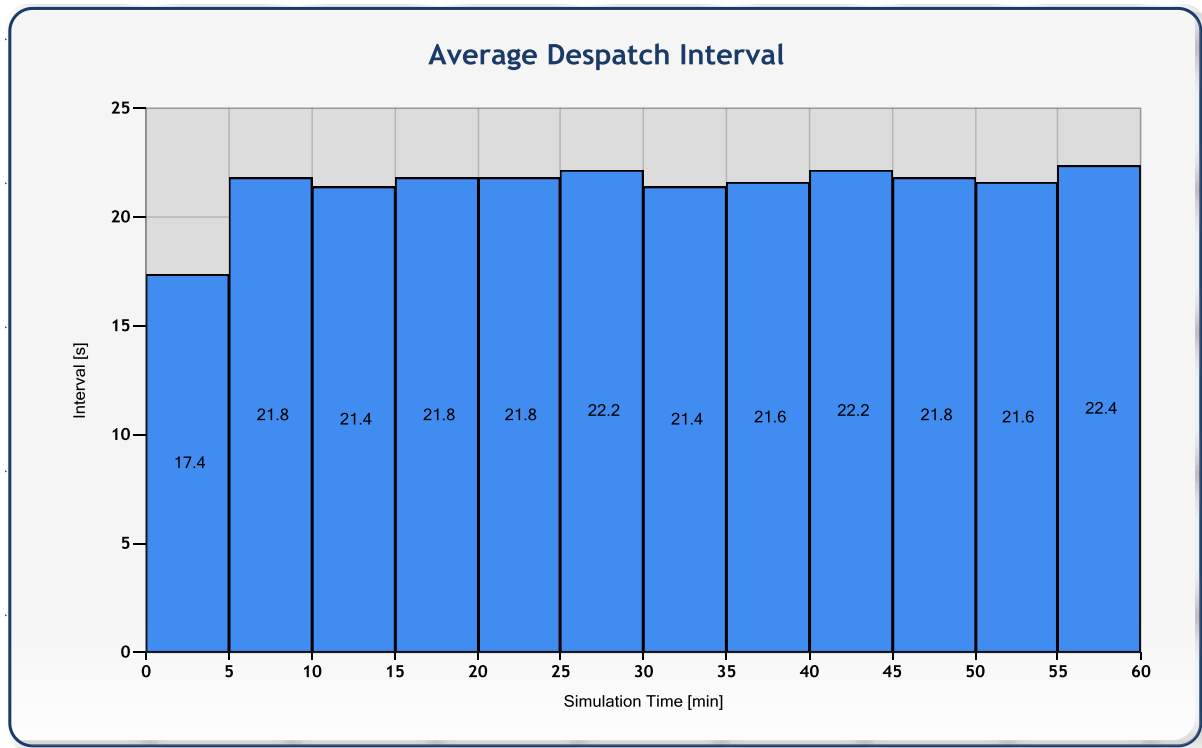


| Simulation Time [min] | Car Loading [%] |
|-----------------------|-----------------|
| 5 - 55                | 59.7            |
| 0 - 5                 | 42.9            |
| 5 - 10                | 59.5            |
| 10 - 15               | 58.4            |
| 15 - 20               | 59.8            |
| 20 - 25               | 61              |
| 25 - 30               | 59.6            |
| 30 - 35               | 58.3            |
| 35 - 40               | 59.6            |
| 40 - 45               | 60.7            |
| 45 - 50               | 60.6            |
| 50 - 55               | 59.8            |
| 55 - 60               | 60.7            |



Project: Biennale Office HQ  
 Tenancy: Biennale  
 Simulation: Biennale Solution 1  
 Lift: All  
 Iteration: All

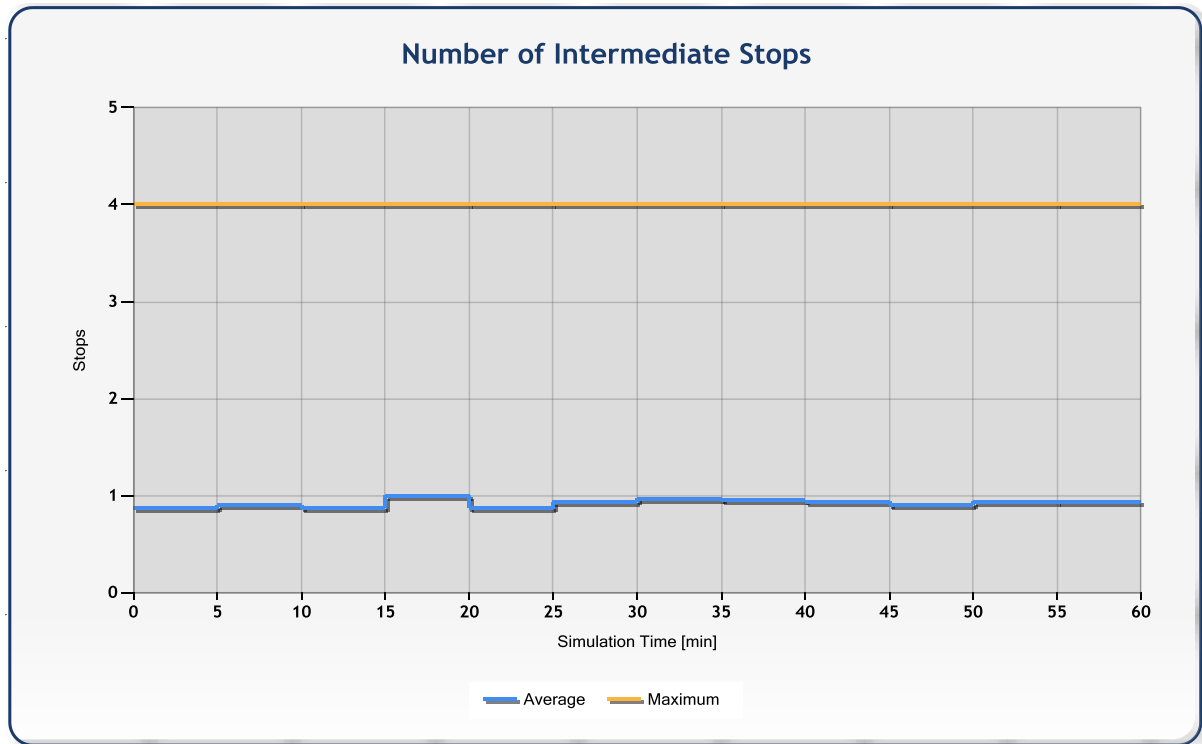
Date: 5/9/2014  
 Zone: Zone 1  
 Traffic Scenario: (1) Up Peak  
 Floor: 0



| Simulation Time [min] | Interval [s] |
|-----------------------|--------------|
| 5 - 55                | 21.78        |
| 0 - 5                 | 17.4         |
| 5 - 10                | 21.8         |
| 10 - 15               | 21.4         |
| 15 - 20               | 21.8         |
| 20 - 25               | 21.8         |
| 25 - 30               | 22.2         |
| 30 - 35               | 21.4         |
| 35 - 40               | 21.6         |
| 40 - 45               | 22.2         |
| 45 - 50               | 21.8         |
| 50 - 55               | 21.6         |
| 55 - 60               | 22.4         |

Project: Biennale Office HQ  
 Tenancy: Biennale  
 Simulation: Biennale Solution 1  
 Lift: All

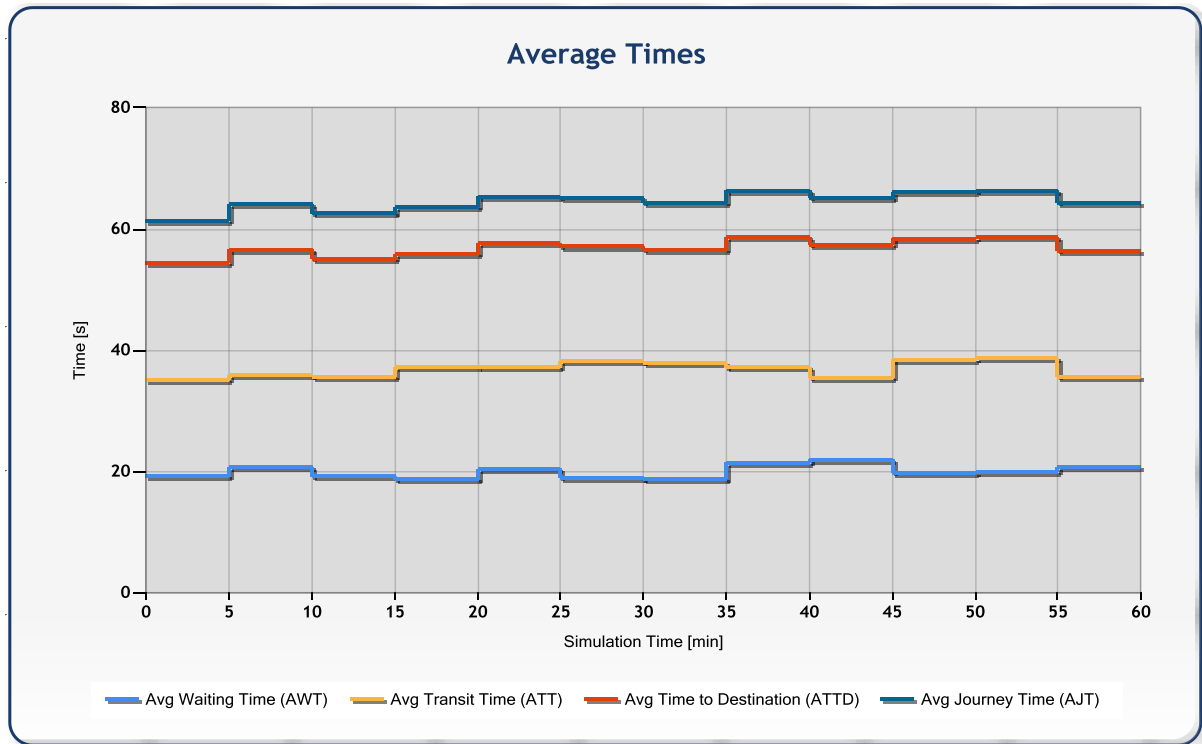
Date: 5/9/2014  
 Zone: Zone 1  
 Traffic Scenario: (1) Up Peak  
 Iteration: All



| Simulation Time [min] | Stops Average | Stops Maximum |
|-----------------------|---------------|---------------|
| 0 - 5                 | 0.88          | 4             |
| 5 - 10                | 0.91          | 4             |
| 10 - 15               | 0.87          | 4             |
| 15 - 20               | 1             | 4             |
| 20 - 25               | 0.87          | 4             |
| 25 - 30               | 0.94          | 4             |
| 30 - 35               | 0.97          | 4             |
| 35 - 40               | 0.96          | 4             |
| 40 - 45               | 0.94          | 4             |
| 45 - 50               | 0.9           | 4             |
| 50 - 55               | 0.94          | 4             |
| 55 - 60               | 0.93          | 4             |

Project: Biennale Office HQ  
 Tenancy: Biennale  
 Simulation: Biennale Solution 1  
 Floor: All

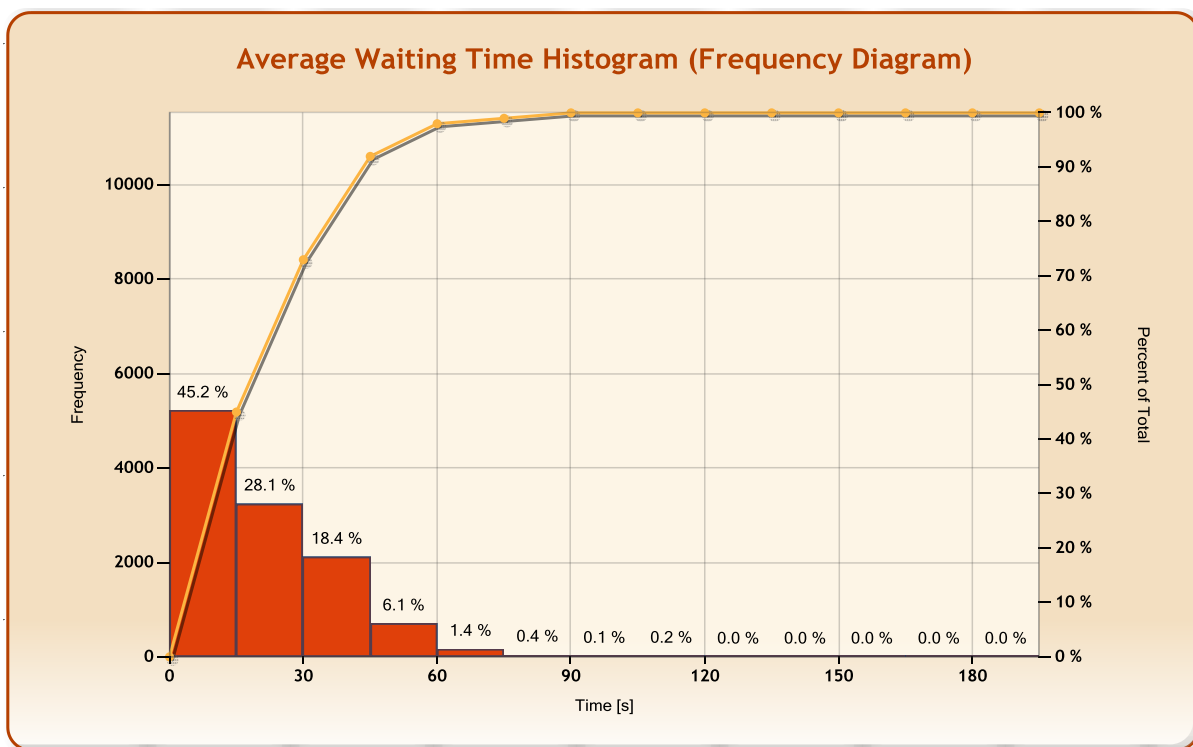
Date: 5/9/2014  
 Zone: Zone 1  
 Traffic Scenario: (2) Down Peak



| Simulation Time [min] | AWT [s] | ATT [s] | ATTD [s] | AJT [s] |
|-----------------------|---------|---------|----------|---------|
| 5 - 55                | 20      | 37.2    | 57.2     | 64.9    |
| 0 - 5                 | 19.2    | 35.1    | 54.3     | 61.4    |
| 5 - 10                | 20.8    | 35.9    | 56.7     | 64.2    |
| 10 - 15               | 19.3    | 35.8    | 55.1     | 62.6    |
| 15 - 20               | 18.8    | 37.2    | 55.9     | 63.7    |
| 20 - 25               | 20.4    | 37.3    | 57.7     | 65.4    |
| 25 - 30               | 19.1    | 38.1    | 57.2     | 65      |
| 30 - 35               | 18.8    | 37.9    | 56.7     | 64.4    |
| 35 - 40               | 21.4    | 37.2    | 58.7     | 66.4    |
| 40 - 45               | 22      | 35.4    | 57.4     | 65      |
| 45 - 50               | 19.8    | 38.5    | 58.3     | 66.1    |
| 50 - 55               | 20.1    | 38.6    | 58.7     | 66.4    |
| 55 - 60               | 20.8    | 35.7    | 56.5     | 64.3    |

Project: Biennale Office HQ  
 Tenancy: Biennale  
 Simulation: Biennale Solution 1  
 Floor: All

Date: 5/9/2014  
 Zone: Zone 1  
 Traffic Scenario: (2) Down Peak

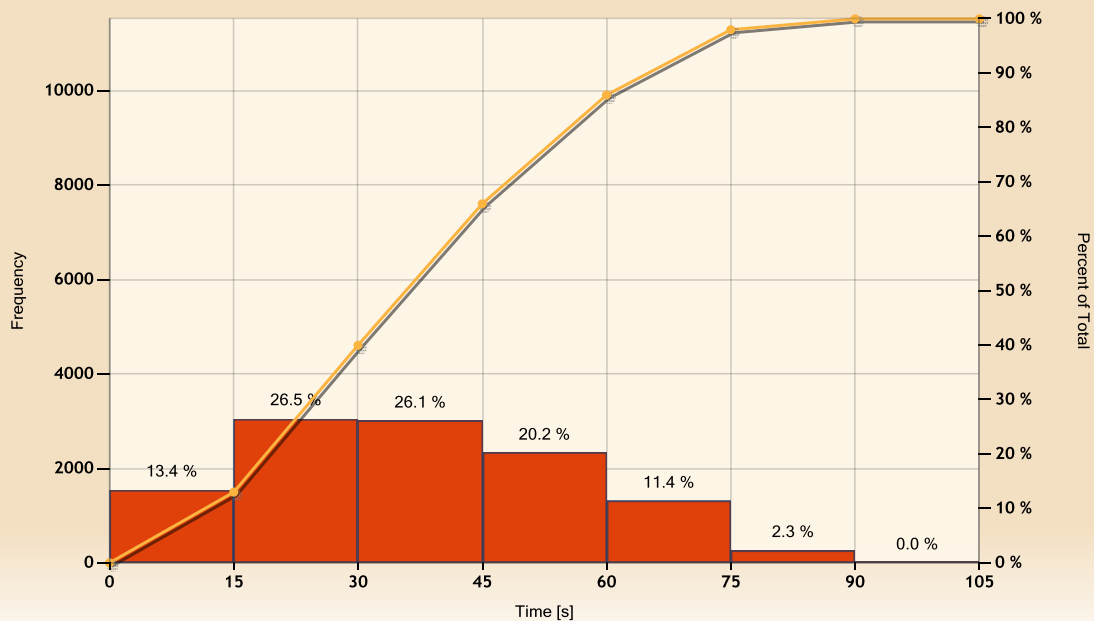


| Time [s]  | Persons | Percent of Total [%] | Cumulative Percentage [%] |
|-----------|---------|----------------------|---------------------------|
| 0 - 15    | 5212    | 45.2                 | 45.2                      |
| 15 - 30   | 3242    | 28.1                 | 73.4                      |
| 30 - 45   | 2114    | 18.4                 | 91.7                      |
| 45 - 60   | 703     | 6.1                  | 97.8                      |
| 60 - 75   | 165     | 1.4                  | 99.3                      |
| 75 - 90   | 44      | 0.4                  | 99.7                      |
| 90 - 105  | 17      | 0.1                  | 99.8                      |
| 105 - 120 | 18      | 0.2                  | 100                       |
| 120 - 135 | 1       | 0                    | 100                       |
| 135 - 150 | 1       | 0                    | 100                       |
| 150 - 165 | 1       | 0                    | 100                       |
| 165 - 180 | 1       | 0                    | 100                       |
| 180 - 195 | 1       | 0                    | 100                       |

Project: Biennale Office HQ  
 Tenancy: Biennale  
 Simulation: Biennale Solution 1  
 Floor: All

Date: 5/9/2014  
 Zone: Zone 1  
 Traffic Scenario: (2) Down Peak

**Average Transit Time Histogram (Frequency Diagram)**

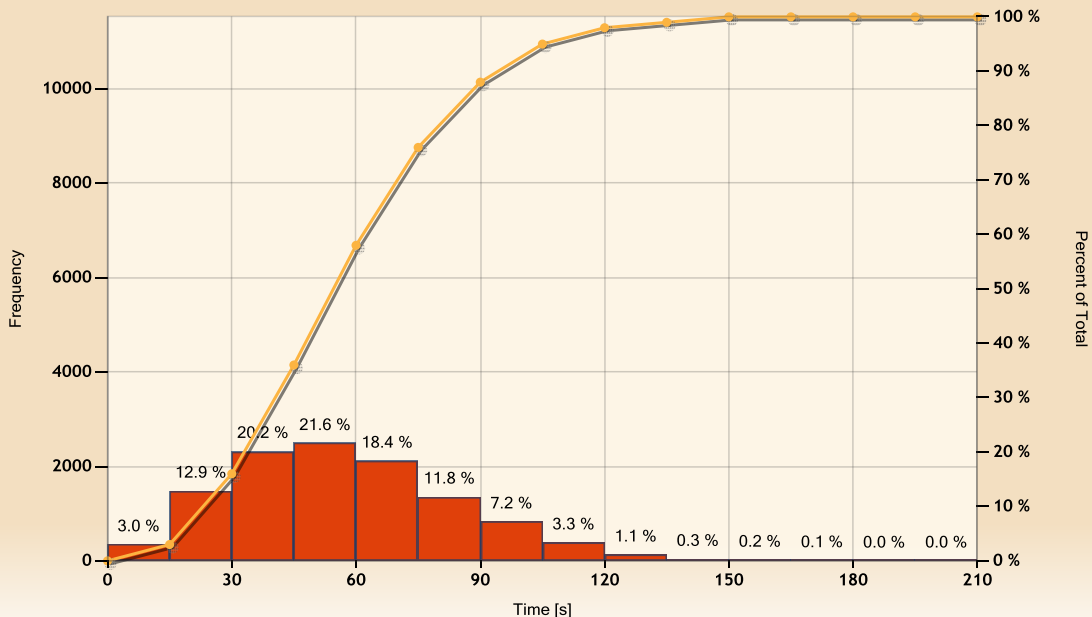


| Time [s] | Persons | Percent of Total [%] | Cumulative Percentage [%] |
|----------|---------|----------------------|---------------------------|
| 0 - 15   | 1547    | 13.4                 | 13.4                      |
| 15 - 30  | 3057    | 26.5                 | 40                        |
| 30 - 45  | 3008    | 26.1                 | 66.1                      |
| 45 - 60  | 2328    | 20.2                 | 86.3                      |
| 60 - 75  | 1311    | 11.4                 | 97.7                      |
| 75 - 90  | 265     | 2.3                  | 100                       |
| 90 - 105 | 4       | 0                    | 100                       |

Project: Biennale Office HQ  
 Tenancy: Biennale  
 Simulation: Biennale Solution 1  
 Floor: All

Date: 5/9/2014  
 Zone: Zone 1  
 Traffic Scenario: (2) Down Peak

**Average Time to Destination Histogram (Frequency Diagram)**

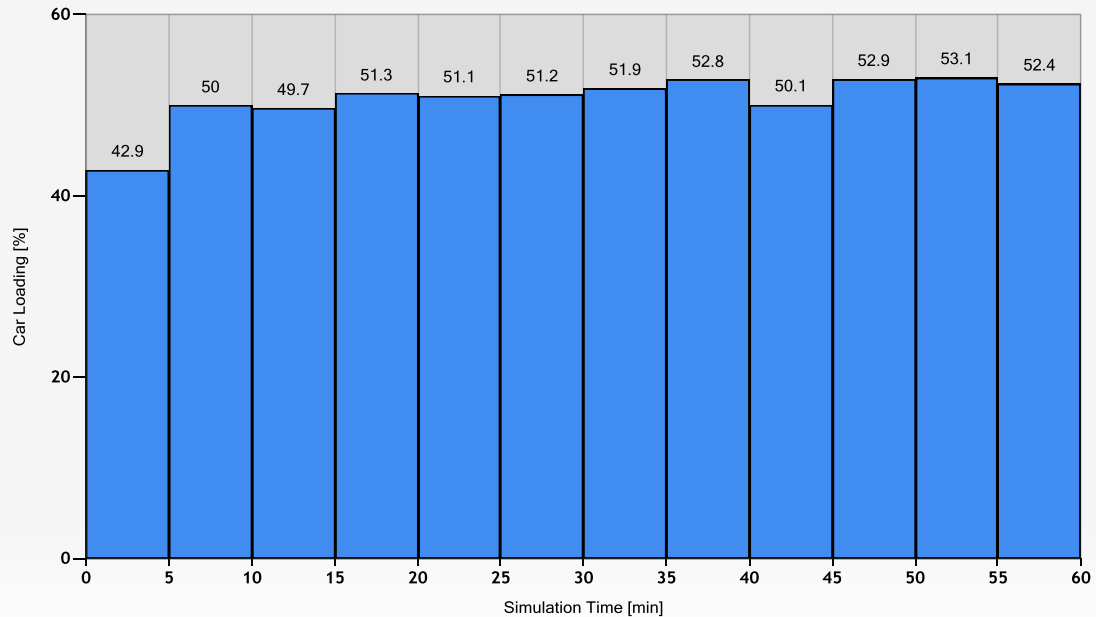


| Time [s]  | Persons | Percent of Total [%] | Cumulative Percentage [%] |
|-----------|---------|----------------------|---------------------------|
| 0 - 15    | 345     | 3                    | 3                         |
| 15 - 30   | 1481    | 12.9                 | 15.9                      |
| 30 - 45   | 2322    | 20.2                 | 36                        |
| 45 - 60   | 2489    | 21.6                 | 57.6                      |
| 60 - 75   | 2117    | 18.4                 | 76                        |
| 75 - 90   | 1356    | 11.8                 | 87.8                      |
| 90 - 105  | 829     | 7.2                  | 95                        |
| 105 - 120 | 385     | 3.3                  | 98.3                      |
| 120 - 135 | 129     | 1.1                  | 99.4                      |
| 135 - 150 | 37      | 0.3                  | 99.7                      |
| 150 - 165 | 19      | 0.2                  | 99.9                      |
| 165 - 180 | 8       | 0.1                  | 100                       |
| 180 - 195 | 1       | 0                    | 100                       |
| 195 - 210 | 2       | 0                    | 100                       |

Project: Biennale Office HQ  
 Tenancy: Biennale  
 Simulation: Biennale Solution 1  
 Floor: 0

Date: 5/9/2014  
 Zone: Zone 1  
 Traffic Scenario: (2) Down Peak

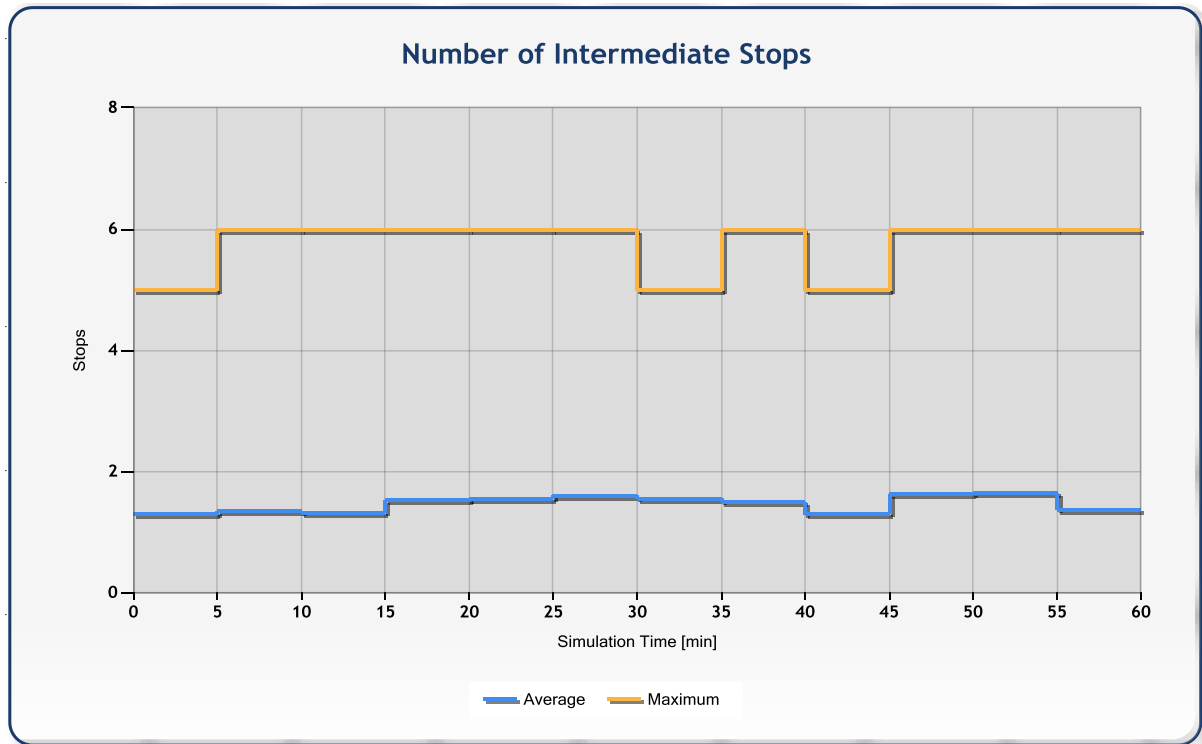
### Average Car Loading on Arrival



| Simulation Time [min] | Car Loading [%] |
|-----------------------|-----------------|
| 5 - 55                | 51.4            |
| 0 - 5                 | 42.9            |
| 5 - 10                | 50              |
| 10 - 15               | 49.7            |
| 15 - 20               | 51.3            |
| 20 - 25               | 51.1            |
| 25 - 30               | 51.2            |
| 30 - 35               | 51.9            |
| 35 - 40               | 52.8            |
| 40 - 45               | 50.1            |
| 45 - 50               | 52.9            |
| 50 - 55               | 53.1            |
| 55 - 60               | 52.4            |

Project: Biennale Office HQ  
 Tenancy: Biennale  
 Simulation: Biennale Solution 1  
 Lift: All

Date: 5/9/2014  
 Zone: Zone 1  
 Traffic Scenario: (2) Down Peak  
 Iteration: All

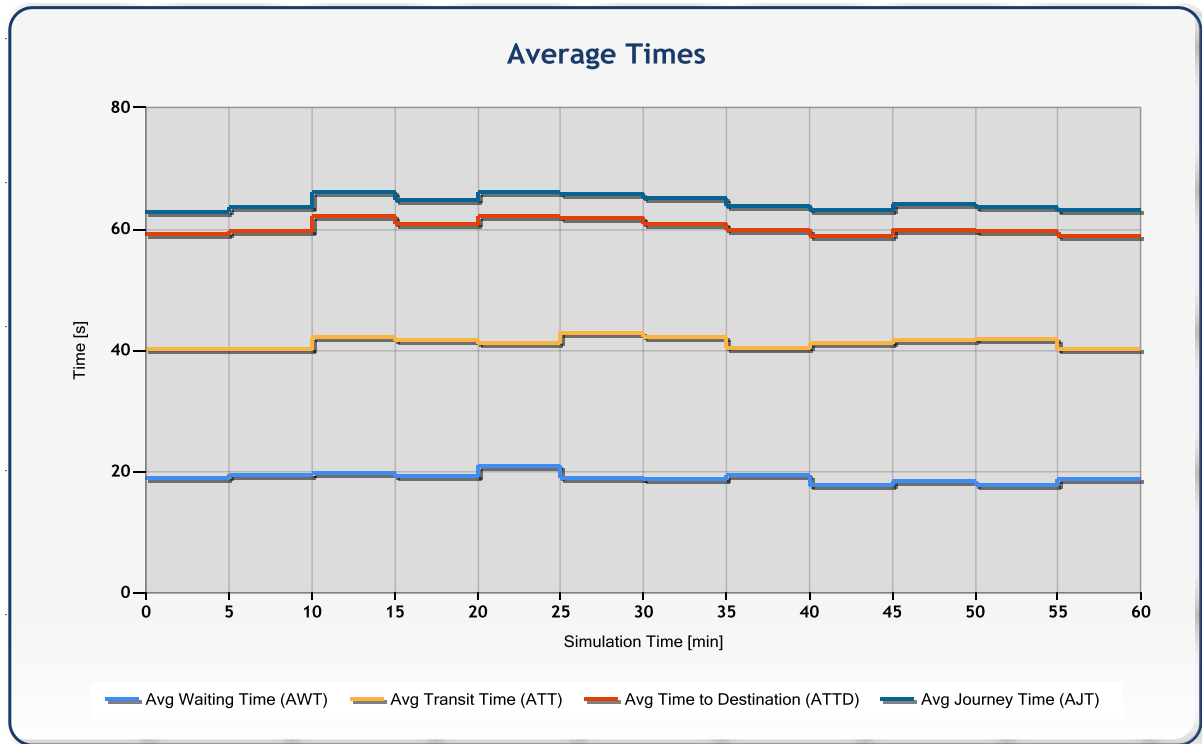


| Simulation Time [min] | Stops Average | Stops Maximum |
|-----------------------|---------------|---------------|
| 0 - 5                 | 1.3           | 5             |
| 5 - 10                | 1.35          | 6             |
| 10 - 15               | 1.33          | 6             |
| 15 - 20               | 1.52          | 6             |
| 20 - 25               | 1.54          | 6             |
| 25 - 30               | 1.59          | 6             |
| 30 - 35               | 1.55          | 5             |
| 35 - 40               | 1.5           | 6             |
| 40 - 45               | 1.3           | 5             |
| 45 - 50               | 1.63          | 6             |
| 50 - 55               | 1.64          | 6             |
| 55 - 60               | 1.37          | 6             |



Project: Biennale Office HQ  
 Tenancy: Biennale  
 Simulation: Biennale Solution 1  
 Floor: All

Date: 5/9/2014  
 Zone: Zone 1  
 Traffic Scenario: (3) Lunch

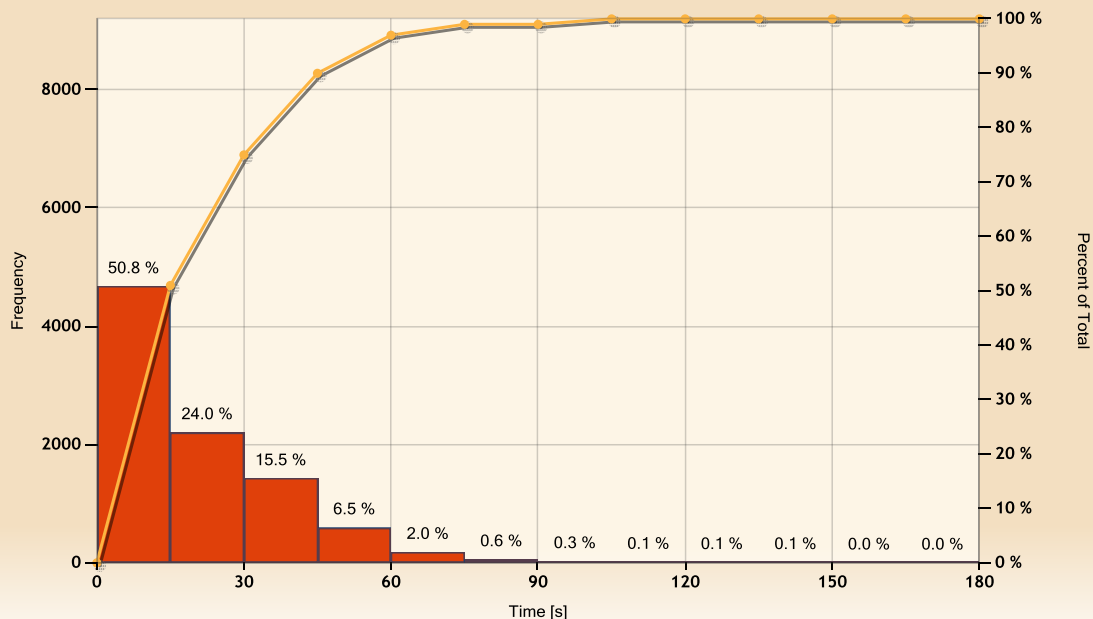


| Simulation Time [min] | AWT [s] | ATT [s] | ATTD [s] | AJT [s] |
|-----------------------|---------|---------|----------|---------|
| 5 - 55                | 19      | 41.6    | 60.6     | 64.6    |
| 0 - 5                 | 19      | 40.1    | 59.1     | 62.8    |
| 5 - 10                | 19.4    | 40.3    | 59.7     | 63.6    |
| 10 - 15               | 19.7    | 42.3    | 62.1     | 66.2    |
| 15 - 20               | 19.2    | 41.7    | 60.9     | 64.9    |
| 20 - 25               | 20.9    | 41.2    | 62.1     | 66.1    |
| 25 - 30               | 19      | 42.8    | 61.8     | 65.8    |
| 30 - 35               | 18.7    | 42.2    | 60.9     | 65      |
| 35 - 40               | 19.4    | 40.5    | 59.9     | 63.9    |
| 40 - 45               | 17.7    | 41.2    | 58.9     | 63      |
| 45 - 50               | 18.4    | 41.7    | 60       | 64      |
| 50 - 55               | 17.7    | 42      | 59.7     | 63.6    |
| 55 - 60               | 18.8    | 40.2    | 59       | 63      |

Project: Biennale Office HQ  
 Tenancy: Biennale  
 Simulation: Biennale Solution 1  
 Floor: All

Date: 5/9/2014  
 Zone: Zone 1  
 Traffic Scenario: (3) Lunch

**Average Waiting Time Histogram (Frequency Diagram)**

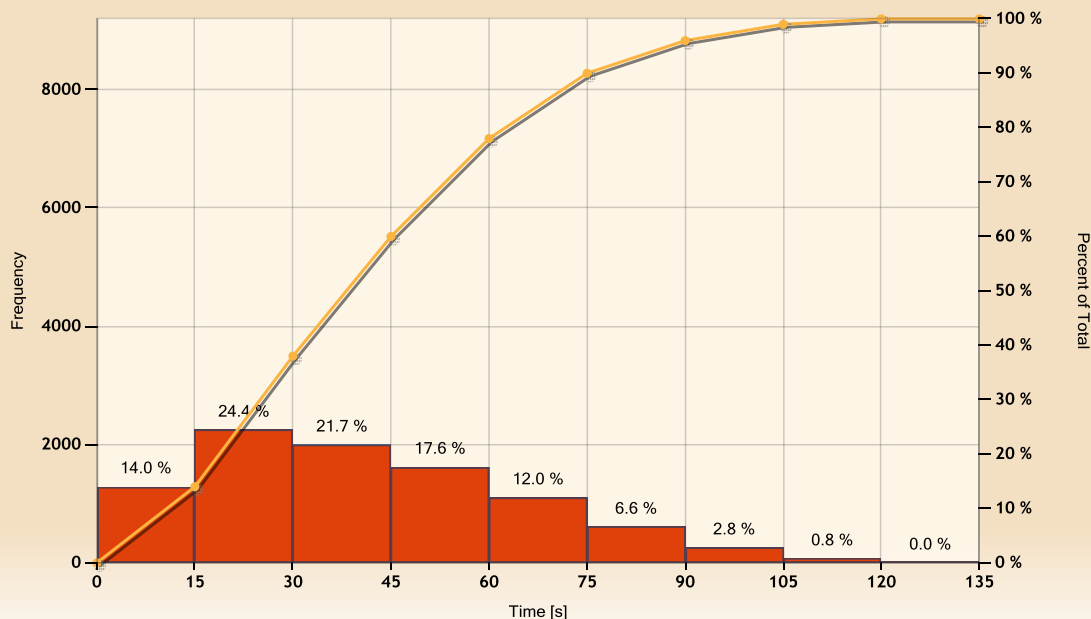


| Time [s]  | Persons | Percent of Total [%] | Cumulative Percentage [%] |
|-----------|---------|----------------------|---------------------------|
| 0 - 15    | 4674    | 50.8                 | 50.8                      |
| 15 - 30   | 2205    | 24                   | 74.8                      |
| 30 - 45   | 1427    | 15.5                 | 90.3                      |
| 45 - 60   | 597     | 6.5                  | 96.8                      |
| 60 - 75   | 181     | 2                    | 98.7                      |
| 75 - 90   | 57      | 0.6                  | 99.4                      |
| 90 - 105  | 25      | 0.3                  | 99.6                      |
| 105 - 120 | 13      | 0.1                  | 99.8                      |
| 120 - 135 | 9       | 0.1                  | 99.9                      |
| 135 - 150 | 9       | 0.1                  | 100                       |
| 150 - 165 | 2       | 0                    | 100                       |
| 165 - 180 | 1       | 0                    | 100                       |

Project: Biennale Office HQ  
 Tenancy: Biennale  
 Simulation: Biennale Solution 1  
 Floor: All

Date: 5/9/2014  
 Zone: Zone 1  
 Traffic Scenario: (3) Lunch

**Average Transit Time Histogram (Frequency Diagram)**

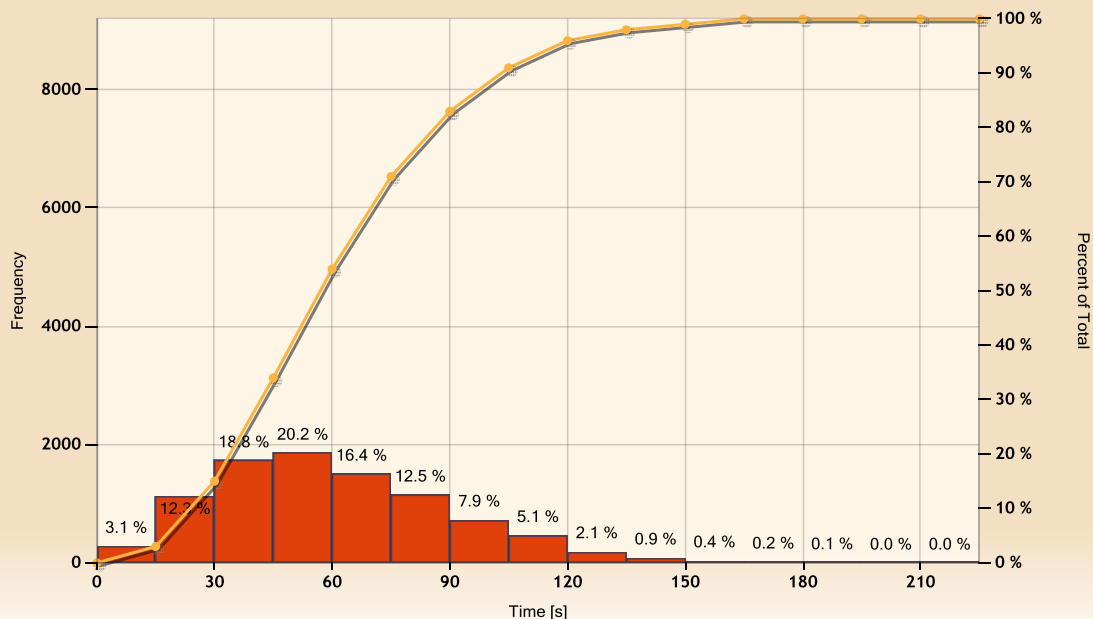


| Time [s]  | Persons | Percent of Total [%] | Cumulative Percentage [%] |
|-----------|---------|----------------------|---------------------------|
| 0 - 15    | 1291    | 14                   | 14                        |
| 15 - 30   | 2248    | 24.4                 | 38.5                      |
| 30 - 45   | 1997    | 21.7                 | 60.2                      |
| 45 - 60   | 1622    | 17.6                 | 77.8                      |
| 60 - 75   | 1104    | 12                   | 89.8                      |
| 75 - 90   | 607     | 6.6                  | 96.4                      |
| 90 - 105  | 257     | 2.8                  | 99.2                      |
| 105 - 120 | 72      | 0.8                  | 100                       |
| 120 - 135 | 2       | 0                    | 100                       |

Project: Biennale Office HQ  
 Tenancy: Biennale  
 Simulation: Biennale Solution 1  
 Floor: All

Date: 5/9/2014  
 Zone: Zone 1  
 Traffic Scenario: (3) Lunch

**Average Time to Destination Histogram (Frequency Diagram)**

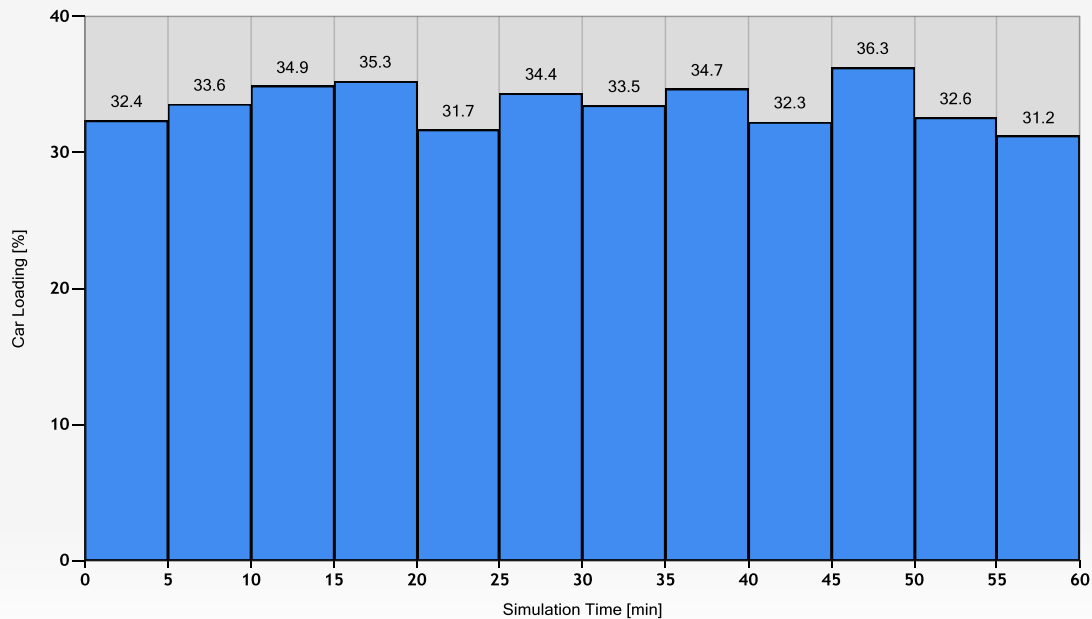


| Time [s]  | Persons | Percent of Total [%] | Cumulative Percentage [%] |
|-----------|---------|----------------------|---------------------------|
| 0 - 15    | 283     | 3.1                  | 3.1                       |
| 15 - 30   | 1133    | 12.3                 | 15.4                      |
| 30 - 45   | 1730    | 18.8                 | 34.2                      |
| 45 - 60   | 1859    | 20.2                 | 54.4                      |
| 60 - 75   | 1505    | 16.4                 | 70.8                      |
| 75 - 90   | 1151    | 12.5                 | 83.3                      |
| 90 - 105  | 729     | 7.9                  | 91.2                      |
| 105 - 120 | 466     | 5.1                  | 96.3                      |
| 120 - 135 | 192     | 2.1                  | 98.3                      |
| 135 - 150 | 87      | 0.9                  | 99.3                      |
| 150 - 165 | 39      | 0.4                  | 99.7                      |
| 165 - 180 | 18      | 0.2                  | 99.9                      |
| 180 - 195 | 6       | 0.1                  | 100                       |
| 195 - 210 | 1       | 0                    | 100                       |
| 210 - 225 | 1       | 0                    | 100                       |

Project: Biennale Office HQ  
 Tenancy: Biennale  
 Simulation: Biennale Solution 1  
 Floor: 0

Date: 5/9/2014  
 Zone: Zone 1  
 Traffic Scenario: (3) Lunch

Average Car Loading on Departure

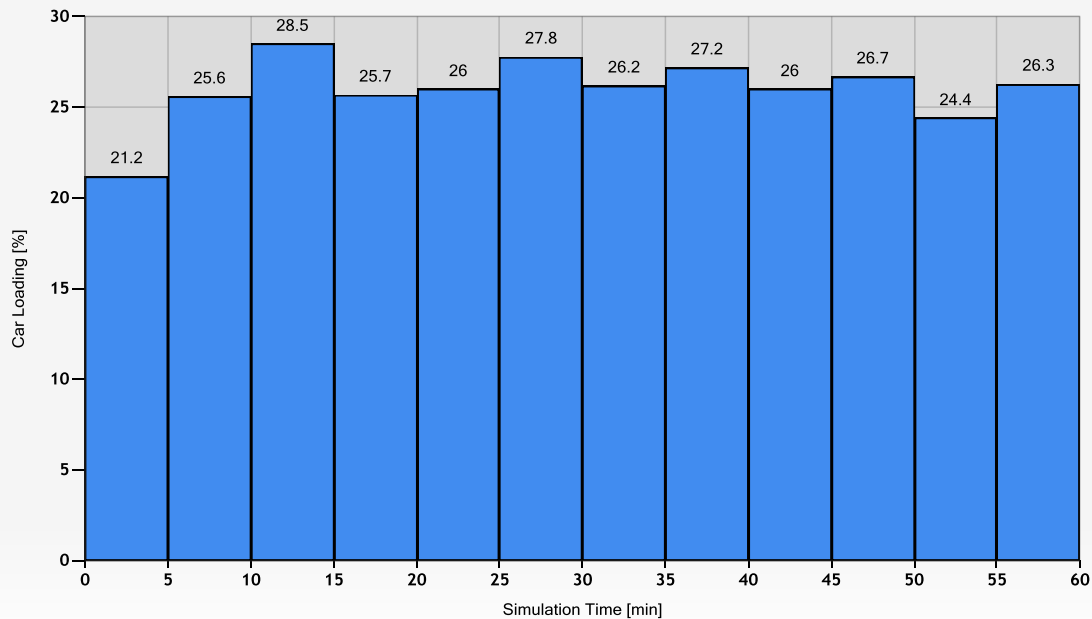


| Simulation Time [min] | Car Loading [%] |
|-----------------------|-----------------|
| 5 - 55                | 33.9            |
| 0 - 5                 | 32.4            |
| 5 - 10                | 33.6            |
| 10 - 15               | 34.9            |
| 15 - 20               | 35.3            |
| 20 - 25               | 31.7            |
| 25 - 30               | 34.4            |
| 30 - 35               | 33.5            |
| 35 - 40               | 34.7            |
| 40 - 45               | 32.3            |
| 45 - 50               | 36.3            |
| 50 - 55               | 32.6            |
| 55 - 60               | 31.2            |

Project: Biennale Office HQ  
 Tenancy: Biennale  
 Simulation: Biennale Solution 1  
 Floor: 0

Date: 5/9/2014  
 Zone: Zone 1  
 Traffic Scenario: (3) Lunch

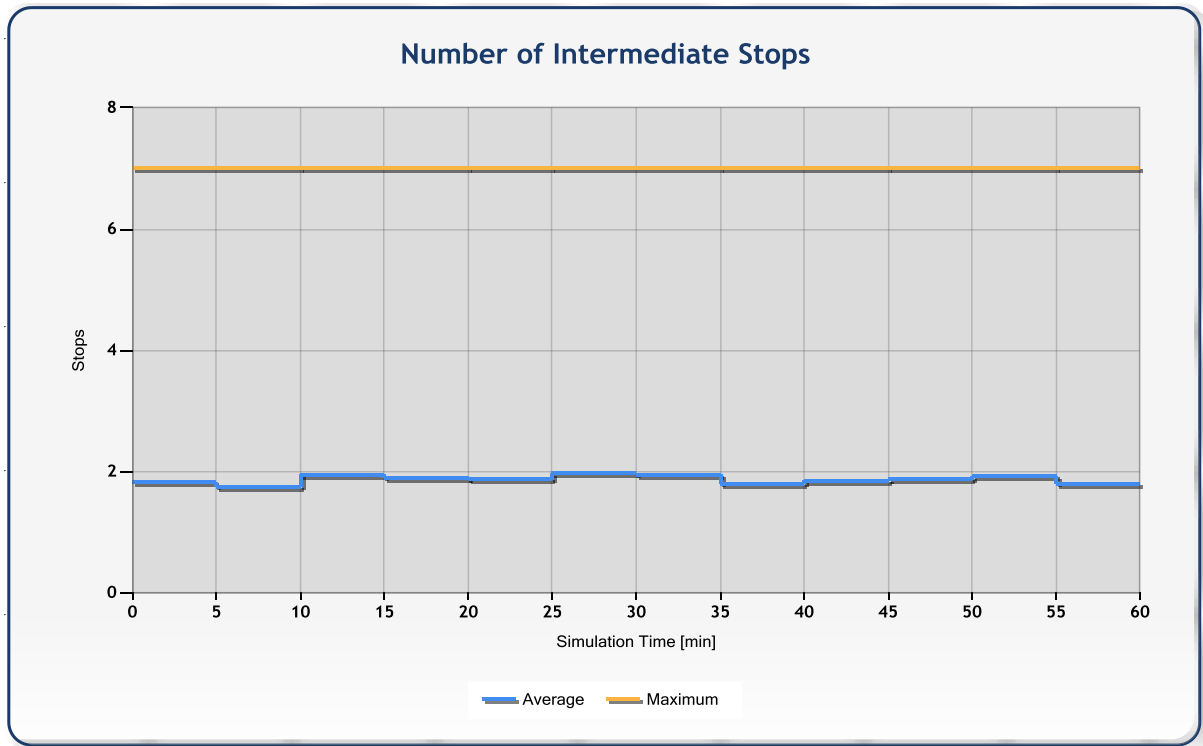
**Average Car Loading on Arrival**



| Simulation Time [min] | Car Loading [%] |
|-----------------------|-----------------|
| 5 - 55                | 26.4            |
| 0 - 5                 | 21.2            |
| 5 - 10                | 25.6            |
| 10 - 15               | 28.5            |
| 15 - 20               | 25.7            |
| 20 - 25               | 26              |
| 25 - 30               | 27.8            |
| 30 - 35               | 26.2            |
| 35 - 40               | 27.2            |
| 40 - 45               | 26              |
| 45 - 50               | 26.7            |
| 50 - 55               | 24.4            |
| 55 - 60               | 26.3            |

Project: Biennale Office HQ  
 Tenancy: Biennale  
 Simulation: Biennale Solution 1  
 Lift: All

Date: 5/9/2014  
 Zone: Zone 1  
 Traffic Scenario: (3) Lunch  
 Iteration: All



| Simulation Time [min] | Stops Average | Stops Maximum |
|-----------------------|---------------|---------------|
| 0 - 5                 | 1.82          | 7             |
| 5 - 10                | 1.74          | 7             |
| 10 - 15               | 1.95          | 7             |
| 15 - 20               | 1.9           | 7             |
| 20 - 25               | 1.88          | 7             |
| 25 - 30               | 1.98          | 7             |
| 30 - 35               | 1.95          | 7             |
| 35 - 40               | 1.8           | 7             |
| 40 - 45               | 1.84          | 7             |
| 45 - 50               | 1.87          | 7             |
| 50 - 55               | 1.93          | 7             |
| 55 - 60               | 1.79          | 7             |

## Office Single Tenant "Biennale", Passenger Lifts "Zone 2"

Traffic Control type      Destination  
Capacity Factor [%]      80  
Passenger Mass [kg]      75

### Traffic Scenarios:

| Id | Pattern   | Incoming [%] | Outgoing [%] | Interfloor [%] | Profile  | Demand         | Runs | Seed | Entrance Floor | Bias [%] |
|----|-----------|--------------|--------------|----------------|----------|----------------|------|------|----------------|----------|
| 1  | Up Peak   | 100.0        | 0.0          | 0.0            | Constant | 15.0%<br>60min | 8    | 1    | 0              | 100.0    |
| 2  | Down Peak | 0.0          | 100.0        | 0.0            | Constant | 15.0%<br>60min | 8    | 1    | 0              | 100.0    |
| 3  | Lunch     | 40.0         | 40.0         | 20.0           | Constant | 12.0%<br>60min | 8    | 1    | 0              | 100.0    |

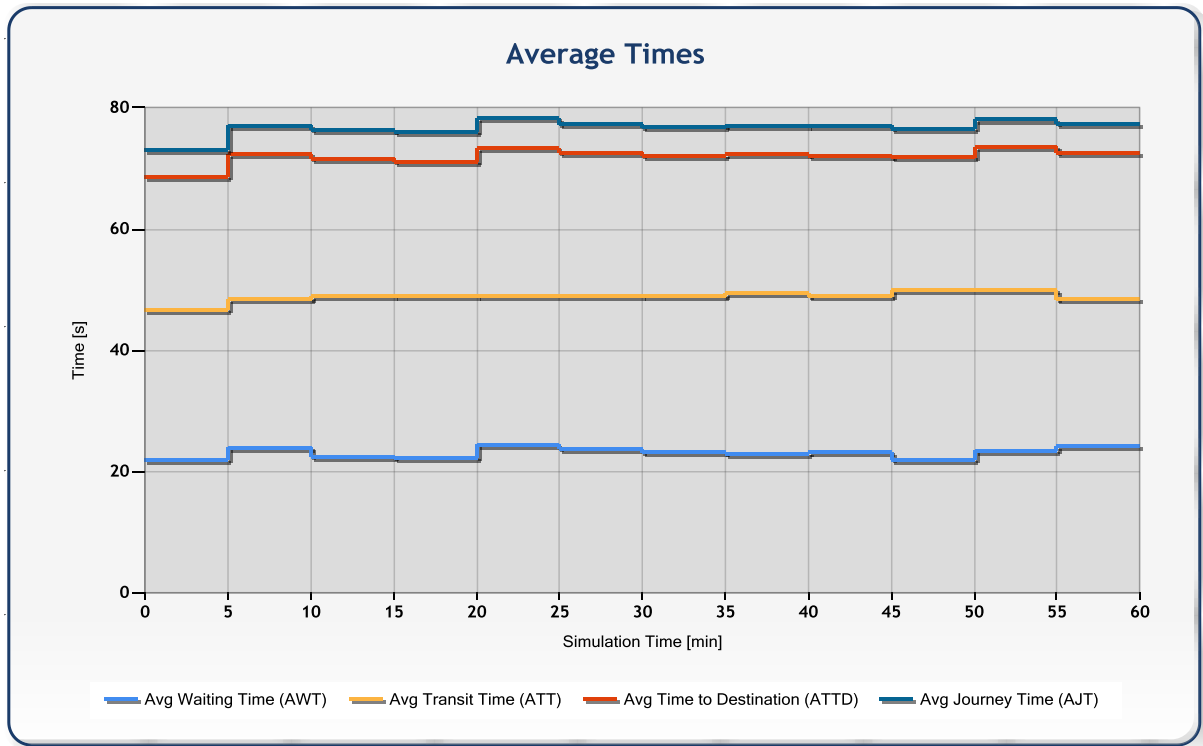
### Lift Configuration Data:

| Lift Number                      | A      | B      | C      | D      |
|----------------------------------|--------|--------|--------|--------|
| Decks                            | Single | Single | Single | Single |
| Lift Type                        | MR     | MR     | MR     | MR     |
| Capacity [kg]                    | 1600   | 1600   | 1600   | 1600   |
| Speed [m/s]                      | 3.0    | 3.0    | 3.0    | 3.0    |
| Acceleration [m/s <sup>2</sup> ] | 1.0    | 1.0    | 1.0    | 1.0    |
| Jerk [m/s <sup>3</sup> ]         | 1.5    | 1.5    | 1.5    | 1.5    |
| Motor Start Delay [s]            | 0.5    | 0.5    | 0.5    | 0.5    |
| Hall Call Dwell Time [s]         | 2.0    | 2.0    | 2.0    | 2.0    |
| Lobby Dwell Time [s]             | 3.0    | 3.0    | 3.0    | 3.0    |
| Door Type                        | Centre | Centre | Centre | Centre |
| Door Width [mm]                  | 1200   | 1200   | 1200   | 1200   |
| Loading Time [s]                 | 1.0    | 1.0    | 1.0    | 1.0    |
| Unloading Time [s]               | 1.0    | 1.0    | 1.0    | 1.0    |
| Opening Time [s]                 | 1.8    | 1.8    | 1.8    | 1.8    |
| Closing Time [s]                 | 2.6    | 2.6    | 2.6    | 2.6    |
| Preopening Time [s]              | 0.0    | 0.0    | 0.0    | 0.0    |
| Reopenings                       | 1      | 1      | 1      | 1      |



Project: Biennale Office HQ  
 Tenancy: Biennale  
 Simulation: Biennale Solution 1  
 Floor: All

Date: 5/9/2014  
 Zone: Zone 2  
 Traffic Scenario: (1) Up Peak

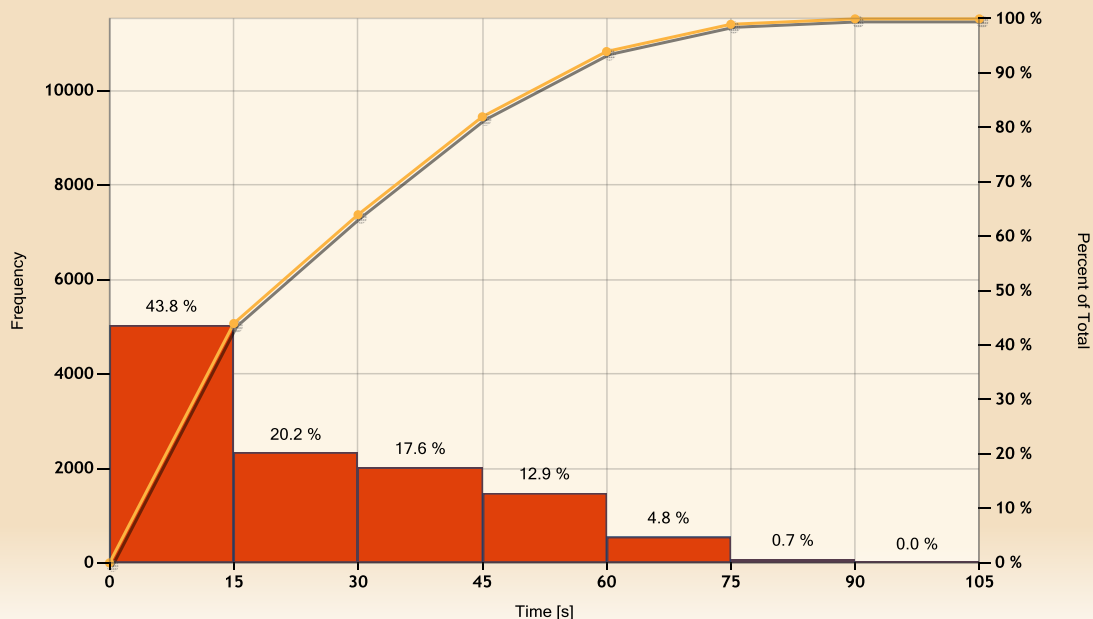


| Simulation Time [min] | AWT [s] | ATT [s] | ATTD [s] | AJT [s] |
|-----------------------|---------|---------|----------|---------|
| 5 - 55                | 23.2    | 49.1    | 72.3     | 77.1    |
| 0 - 5                 | 21.9    | 46.7    | 68.6     | 73      |
| 5 - 10                | 24      | 48.3    | 72.3     | 77.2    |
| 10 - 15               | 22.5    | 49      | 71.5     | 76.3    |
| 15 - 20               | 22.2    | 48.9    | 71.1     | 76      |
| 20 - 25               | 24.4    | 49      | 73.4     | 78.3    |
| 25 - 30               | 23.6    | 49      | 72.6     | 77.4    |
| 30 - 35               | 23.3    | 48.8    | 72.1     | 76.9    |
| 35 - 40               | 22.9    | 49.4    | 72.3     | 77.1    |
| 40 - 45               | 23.2    | 48.9    | 72.1     | 77      |
| 45 - 50               | 22      | 49.8    | 71.8     | 76.5    |
| 50 - 55               | 23.5    | 50      | 73.5     | 78.2    |
| 55 - 60               | 24.3    | 48.3    | 72.6     | 77.3    |

Project: Biennale Office HQ  
 Tenancy: Biennale  
 Simulation: Biennale Solution 1  
 Floor: All

Date: 5/9/2014  
 Zone: Zone 2  
 Traffic Scenario: (1) Up Peak

**Average Waiting Time Histogram (Frequency Diagram)**

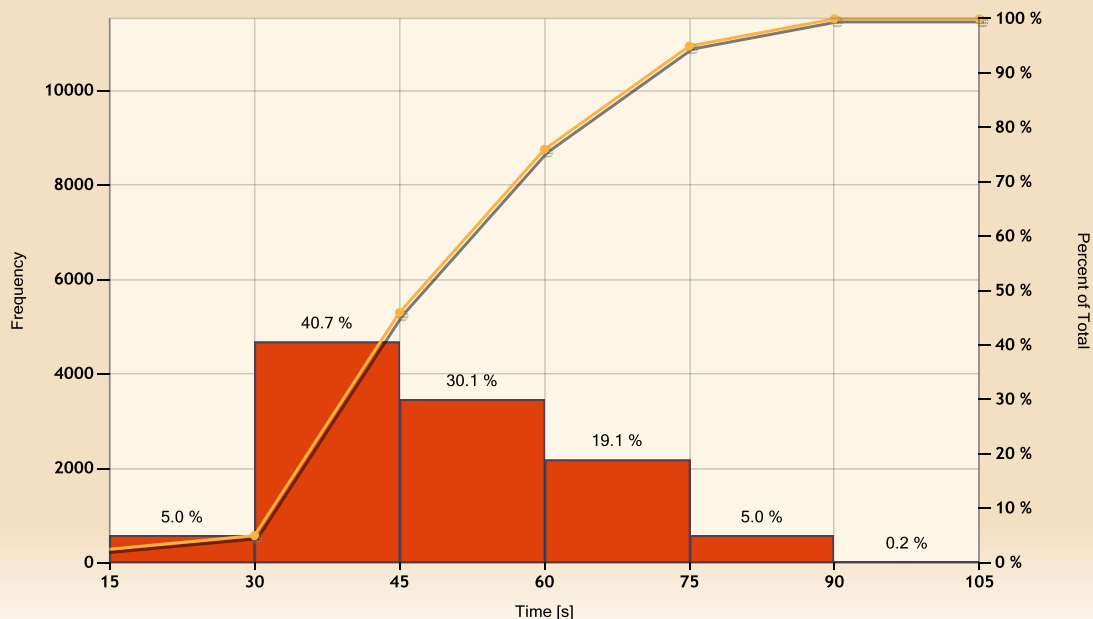


| Time [s] | Persons | Percent of Total [%] | Cumulative Percentage [%] |
|----------|---------|----------------------|---------------------------|
| 0 - 15   | 5040    | 43.8                 | 43.8                      |
| 15 - 30  | 2325    | 20.2                 | 63.9                      |
| 30 - 45  | 2025    | 17.6                 | 81.5                      |
| 45 - 60  | 1488    | 12.9                 | 94.4                      |
| 60 - 75  | 556     | 4.8                  | 99.3                      |
| 75 - 90  | 82      | 0.7                  | 100                       |
| 90 - 105 | 4       | 0                    | 100                       |

Project: Biennale Office HQ  
 Tenancy: Biennale  
 Simulation: Biennale Solution 1  
 Floor: All

Date: 5/9/2014  
 Zone: Zone 2  
 Traffic Scenario: (1) Up Peak

**Average Transit Time Histogram (Frequency Diagram)**

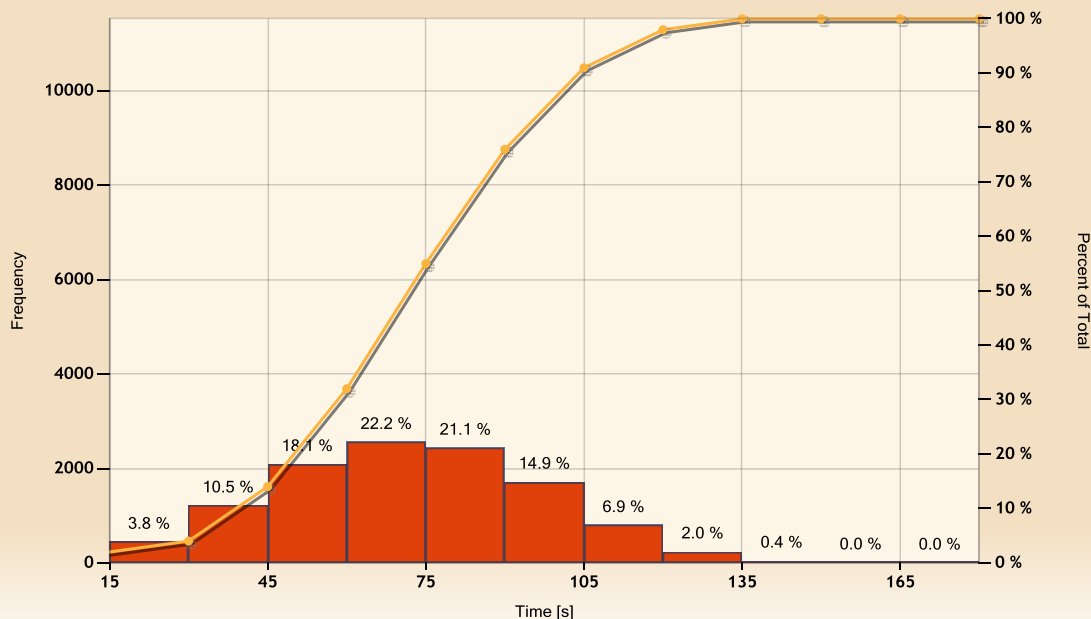


| Time [s] | Persons | Percent of Total [%] | Cumulative Percentage [%] |
|----------|---------|----------------------|---------------------------|
| 15 - 30  | 576     | 5                    | 5                         |
| 30 - 45  | 4685    | 40.7                 | 45.7                      |
| 45 - 60  | 3463    | 30.1                 | 75.7                      |
| 60 - 75  | 2195    | 19.1                 | 94.8                      |
| 75 - 90  | 578     | 5                    | 99.8                      |
| 90 - 105 | 23      | 0.2                  | 100                       |

Project: Biennale Office HQ  
 Tenancy: Biennale  
 Simulation: Biennale Solution 1  
 Floor: All

Date: 5/9/2014  
 Zone: Zone 2  
 Traffic Scenario: (1) Up Peak

**Average Time to Destination Histogram (Frequency Diagram)**

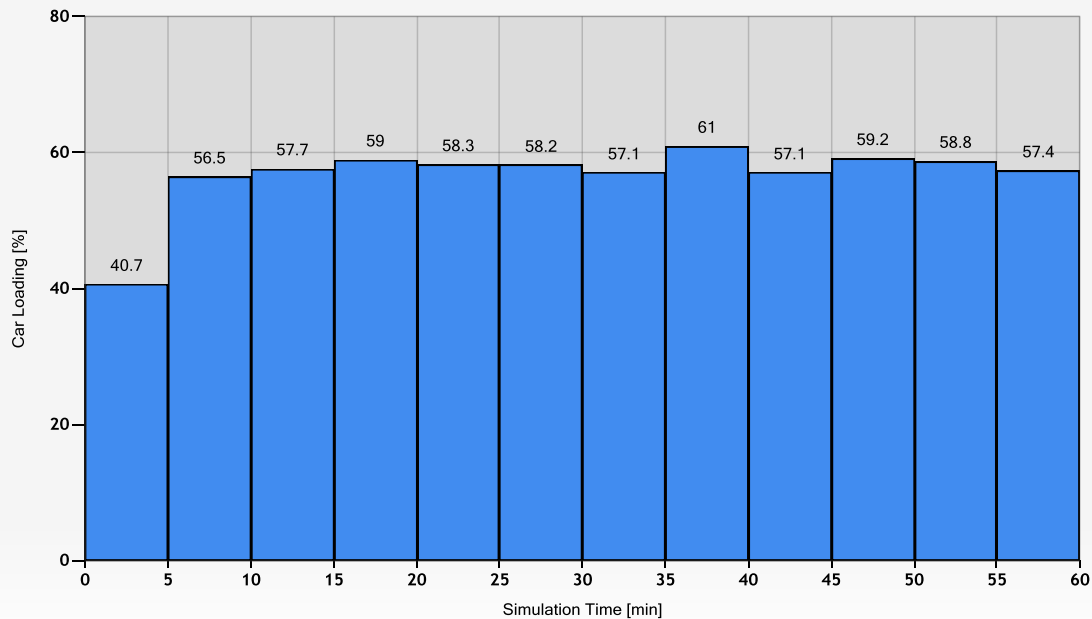


| Time [s]  | Persons | Percent of Total [%] | Cumulative Percentage [%] |
|-----------|---------|----------------------|---------------------------|
| 15 - 30   | 441     | 3.8                  | 3.8                       |
| 30 - 45   | 1211    | 10.5                 | 14.3                      |
| 45 - 60   | 2087    | 18.1                 | 32.5                      |
| 60 - 75   | 2555    | 22.2                 | 54.6                      |
| 75 - 90   | 2433    | 21.1                 | 75.8                      |
| 90 - 105  | 1713    | 14.9                 | 90.6                      |
| 105 - 120 | 795     | 6.9                  | 97.5                      |
| 120 - 135 | 236     | 2                    | 99.6                      |
| 135 - 150 | 43      | 0.4                  | 99.9                      |
| 150 - 165 | 5       | 0                    | 100                       |
| 165 - 180 | 1       | 0                    | 100                       |

Project: Biennale Office HQ  
 Tenancy: Biennale  
 Simulation: Biennale Solution 1  
 Floor: 0

Date: 5/9/2014  
 Zone: Zone 2  
 Traffic Scenario: (1) Up Peak

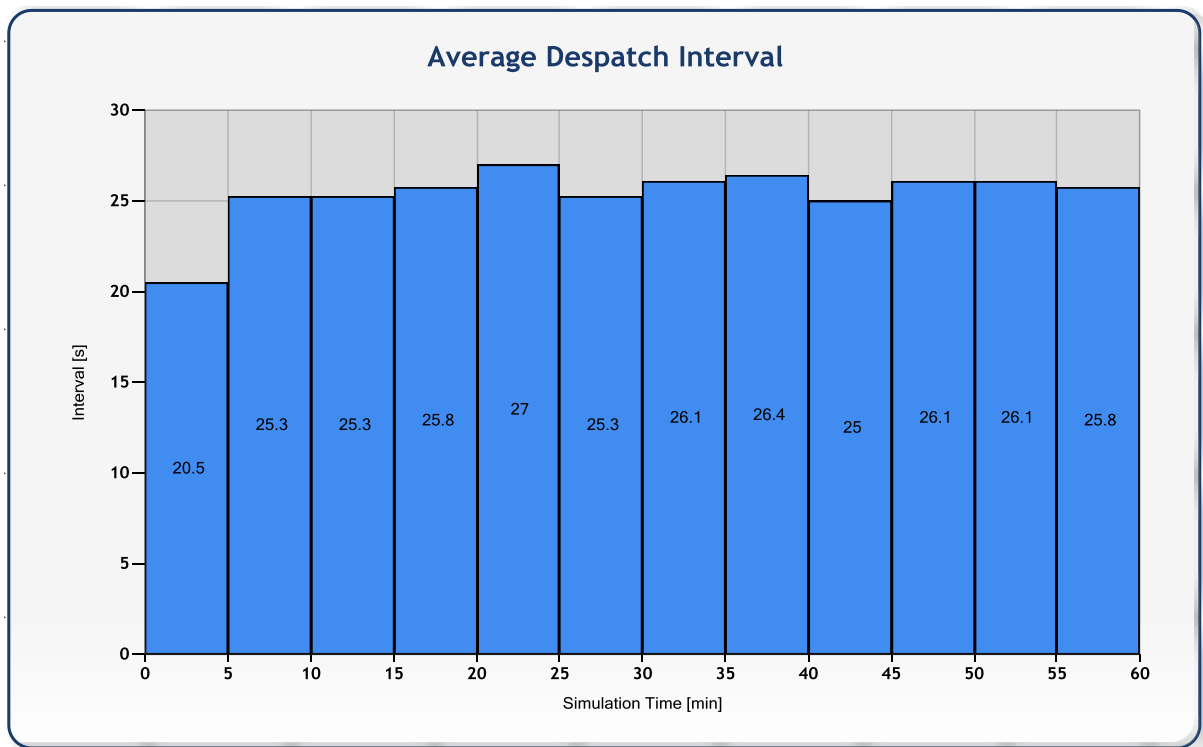
### Average Car Loading on Departure



| Simulation Time [min] | Car Loading [%] |
|-----------------------|-----------------|
| 5 - 55                | 58.3            |
| 0 - 5                 | 40.7            |
| 5 - 10                | 56.5            |
| 10 - 15               | 57.7            |
| 15 - 20               | 59              |
| 20 - 25               | 58.3            |
| 25 - 30               | 58.2            |
| 30 - 35               | 57.1            |
| 35 - 40               | 61              |
| 40 - 45               | 57.1            |
| 45 - 50               | 59.2            |
| 50 - 55               | 58.8            |
| 55 - 60               | 57.4            |

Project: Biennale Office HQ  
 Tenancy: Biennale  
 Simulation: Biennale Solution 1  
 Lift: All  
 Iteration: All

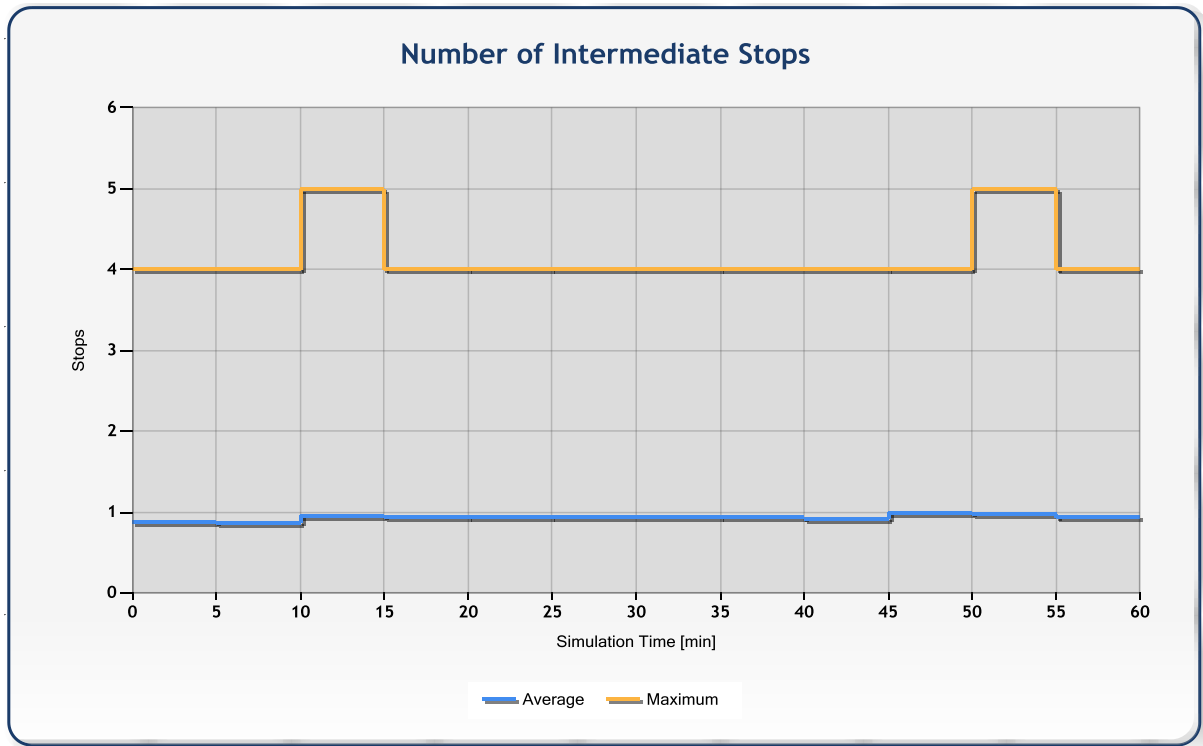
Date: 5/9/2014  
 Zone: Zone 2  
 Traffic Scenario: (1) Up Peak  
 Floor: 0



| Simulation Time [min] | Interval [s] |
|-----------------------|--------------|
| 5 - 55                | 25.81        |
| 0 - 5                 | 20.5         |
| 5 - 10                | 25.3         |
| 10 - 15               | 25.3         |
| 15 - 20               | 25.8         |
| 20 - 25               | 27           |
| 25 - 30               | 25.3         |
| 30 - 35               | 26.1         |
| 35 - 40               | 26.4         |
| 40 - 45               | 25           |
| 45 - 50               | 26.1         |
| 50 - 55               | 26.1         |
| 55 - 60               | 25.8         |

Project: Biennale Office HQ  
 Tenancy: Biennale  
 Simulation: Biennale Solution 1  
 Lift: All

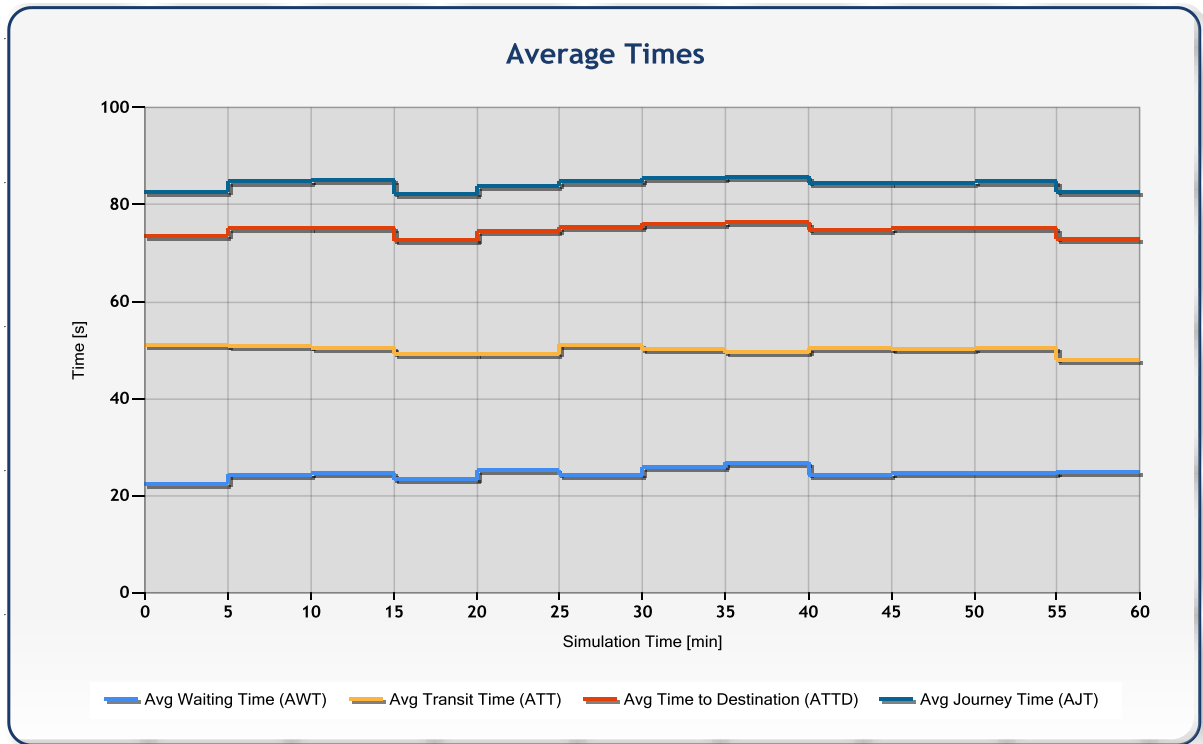
Date: 5/9/2014  
 Zone: Zone 2  
 Traffic Scenario: (1) Up Peak  
 Iteration: All



| Simulation Time [min] | Stops Average | Stops Maximum |
|-----------------------|---------------|---------------|
| 0 - 5                 | 0.88          | 4             |
| 5 - 10                | 0.87          | 4             |
| 10 - 15               | 0.95          | 5             |
| 15 - 20               | 0.94          | 4             |
| 20 - 25               | 0.93          | 4             |
| 25 - 30               | 0.93          | 4             |
| 30 - 35               | 0.93          | 4             |
| 35 - 40               | 0.94          | 4             |
| 40 - 45               | 0.92          | 4             |
| 45 - 50               | 1             | 4             |
| 50 - 55               | 0.98          | 5             |
| 55 - 60               | 0.93          | 4             |

Project: Biennale Office HQ  
 Tenancy: Biennale  
 Simulation: Biennale Solution 1  
 Floor: All

Date: 5/9/2014  
 Zone: Zone 2  
 Traffic Scenario: (2) Down Peak



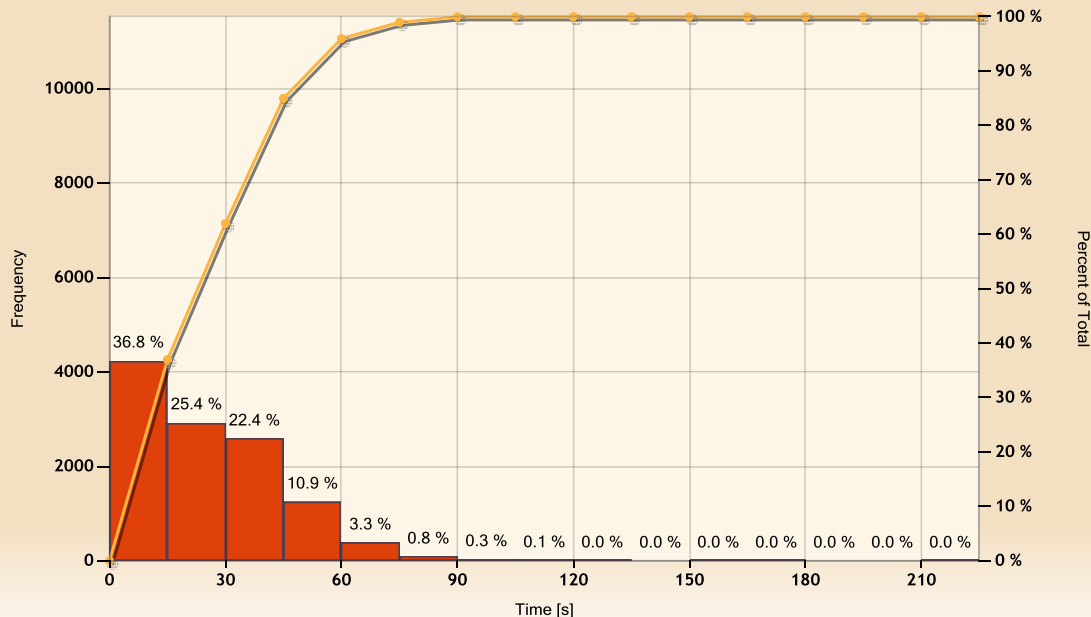
| Simulation Time [min] | AWT [s] | ATT [s] | ATTD [s] | AJT [s] |
|-----------------------|---------|---------|----------|---------|
| 5 - 55                | 24.8    | 50.3    | 75.1     | 84.5    |
| 0 - 5                 | 22.5    | 51.2    | 73.6     | 82.5    |
| 5 - 10                | 24.3    | 51      | 75.3     | 84.8    |
| 10 - 15               | 24.8    | 50.6    | 75.3     | 85      |
| 15 - 20               | 23.5    | 49.3    | 72.8     | 82.2    |
| 20 - 25               | 25.3    | 49.2    | 74.5     | 83.8    |
| 25 - 30               | 24.3    | 51.1    | 75.4     | 84.8    |
| 30 - 35               | 25.8    | 50.3    | 76.1     | 85.4    |
| 35 - 40               | 26.7    | 49.7    | 76.4     | 85.8    |
| 40 - 45               | 24.4    | 50.6    | 75       | 84.4    |
| 45 - 50               | 24.8    | 50.2    | 75.1     | 84.5    |
| 50 - 55               | 24.7    | 50.5    | 75.2     | 84.7    |
| 55 - 60               | 25      | 48.1    | 73.1     | 82.5    |



Project: Biennale Office HQ  
 Tenancy: Biennale  
 Simulation: Biennale Solution 1  
 Floor: All

Date: 5/9/2014  
 Zone: Zone 2  
 Traffic Scenario: (2) Down Peak

**Average Waiting Time Histogram (Frequency Diagram)**

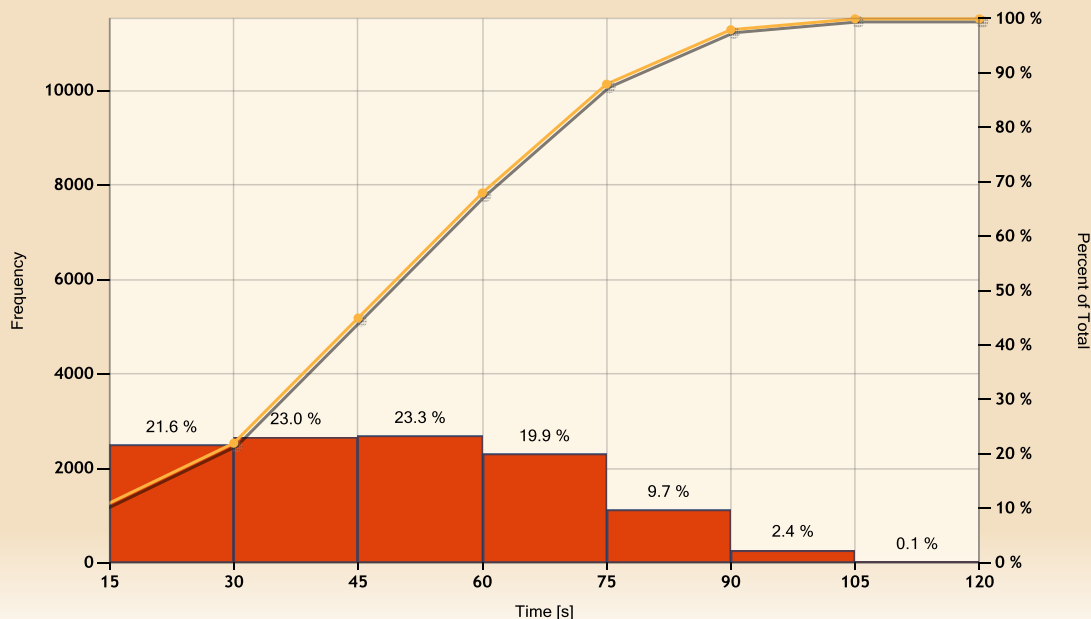


| Time [s]  | Persons | Percent of Total [%] | Cumulative Percentage [%] |
|-----------|---------|----------------------|---------------------------|
| 0 - 15    | 4238    | 36.8                 | 36.8                      |
| 15 - 30   | 2928    | 25.4                 | 62.2                      |
| 30 - 45   | 2586    | 22.4                 | 84.7                      |
| 45 - 60   | 1250    | 10.9                 | 95.5                      |
| 60 - 75   | 384     | 3.3                  | 98.8                      |
| 75 - 90   | 87      | 0.8                  | 99.6                      |
| 90 - 105  | 31      | 0.3                  | 99.9                      |
| 105 - 120 | 8       | 0.1                  | 99.9                      |
| 120 - 135 | 4       | 0                    | 100                       |
| 135 - 150 | 0       | 0                    | 100                       |
| 150 - 165 | 2       | 0                    | 100                       |
| 165 - 180 | 1       | 0                    | 100                       |
| 180 - 195 | 0       | 0                    | 100                       |
| 195 - 210 | 0       | 0                    | 100                       |
| 210 - 225 | 1       | 0                    | 100                       |

Project: Biennale Office HQ  
 Tenancy: Biennale  
 Simulation: Biennale Solution 1  
 Floor: All

Date: 5/9/2014  
 Zone: Zone 2  
 Traffic Scenario: (2) Down Peak

**Average Transit Time Histogram (Frequency Diagram)**

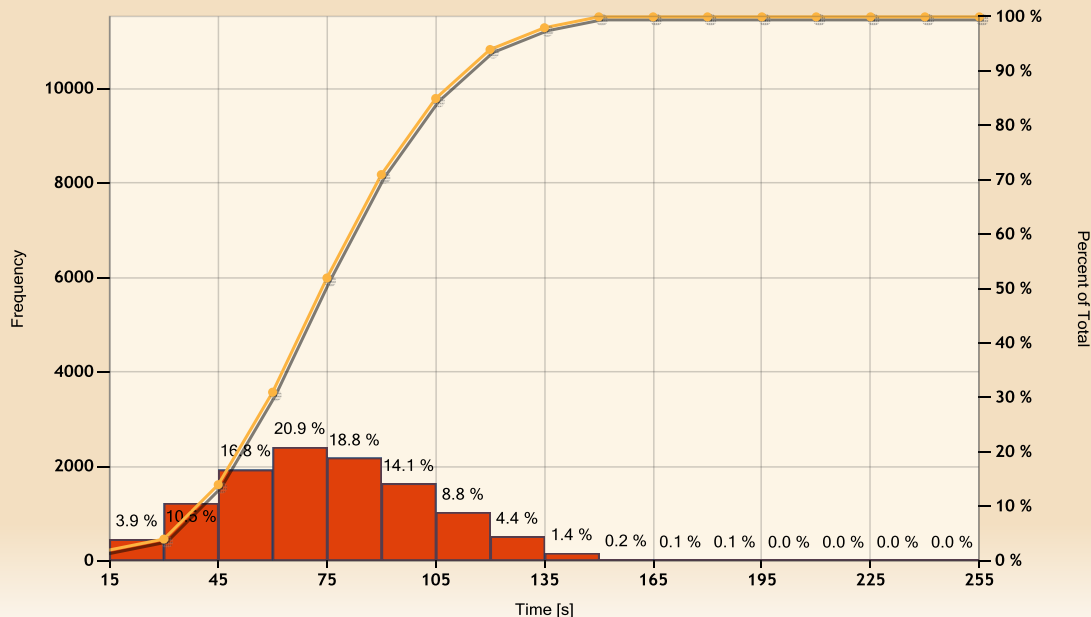


| Time [s]  | Persons | Percent of Total [%] | Cumulative Percentage [%] |
|-----------|---------|----------------------|---------------------------|
| 15 - 30   | 2486    | 21.6                 | 21.6                      |
| 30 - 45   | 2655    | 23                   | 44.6                      |
| 45 - 60   | 2682    | 23.3                 | 67.9                      |
| 60 - 75   | 2296    | 19.9                 | 87.8                      |
| 75 - 90   | 1117    | 9.7                  | 97.5                      |
| 90 - 105  | 273     | 2.4                  | 99.9                      |
| 105 - 120 | 11      | 0.1                  | 100                       |

Project: Biennale Office HQ  
 Tenancy: Biennale  
 Simulation: Biennale Solution 1  
 Floor: All

Date: 5/9/2014  
 Zone: Zone 2  
 Traffic Scenario: (2) Down Peak

**Average Time to Destination Histogram (Frequency Diagram)**

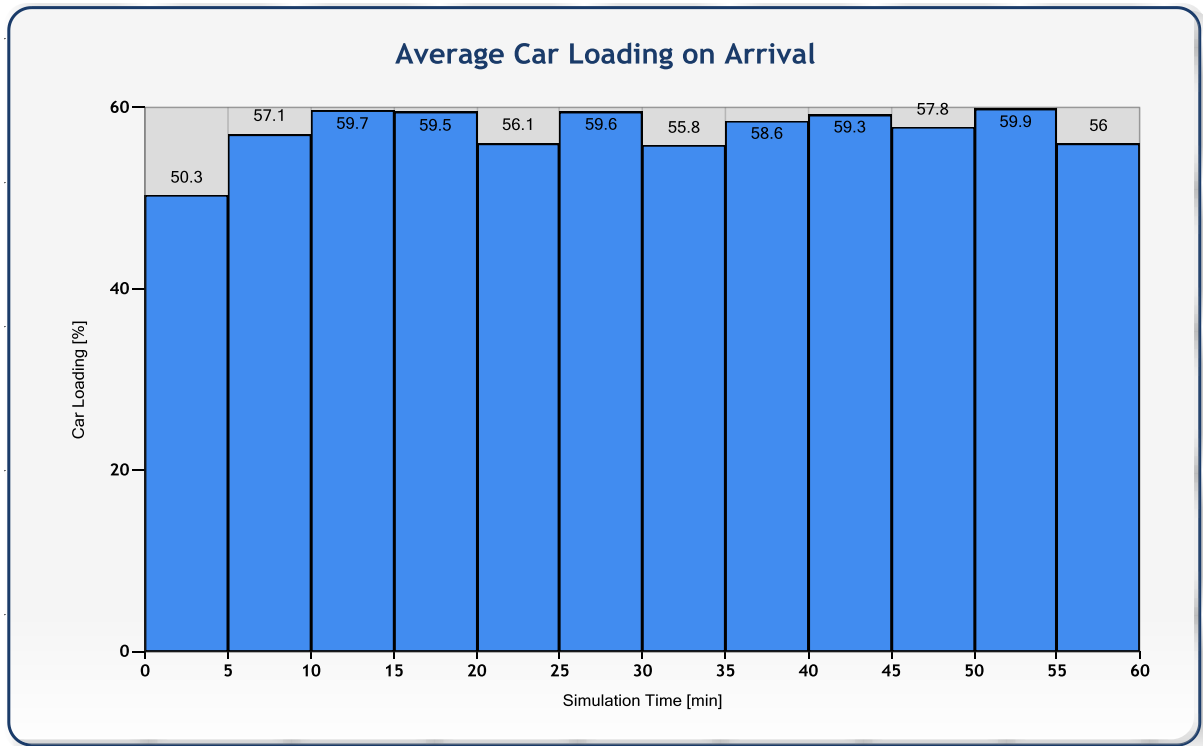


| Time [s]  | Persons | Percent of Total [%] | Cumulative Percentage [%] |
|-----------|---------|----------------------|---------------------------|
| 15 - 30   | 452     | 3.9                  | 3.9                       |
| 30 - 45   | 1211    | 10.5                 | 14.4                      |
| 45 - 60   | 1935    | 16.8                 | 31.2                      |
| 60 - 75   | 2407    | 20.9                 | 52.1                      |
| 75 - 90   | 2165    | 18.8                 | 70.9                      |
| 90 - 105  | 1623    | 14.1                 | 85                        |
| 105 - 120 | 1016    | 8.8                  | 93.8                      |
| 120 - 135 | 507     | 4.4                  | 98.2                      |
| 135 - 150 | 158     | 1.4                  | 99.6                      |
| 150 - 165 | 28      | 0.2                  | 99.8                      |
| 165 - 180 | 7       | 0.1                  | 99.9                      |
| 180 - 195 | 6       | 0.1                  | 100                       |
| 195 - 210 | 1       | 0                    | 100                       |
| 210 - 225 | 1       | 0                    | 100                       |
| 225 - 240 | 2       | 0                    | 100                       |



Project: Biennale Office HQ  
 Tenancy: Biennale  
 Simulation: Biennale Solution 1  
 Floor: 0

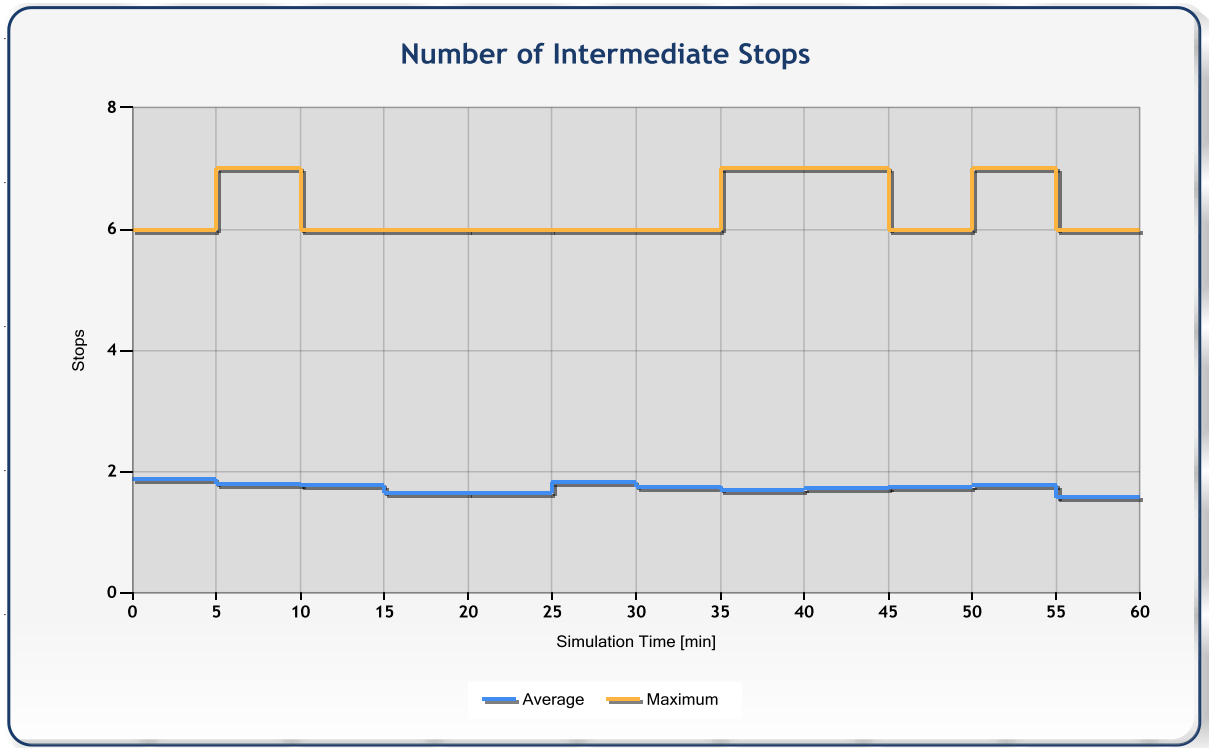
Date: 5/9/2014  
 Zone: Zone 2  
 Traffic Scenario: (2) Down Peak



| Simulation Time [min] | Car Loading [%] |
|-----------------------|-----------------|
| 5 - 55                | 58.3            |
| 0 - 5                 | 50.3            |
| 5 - 10                | 57.1            |
| 10 - 15               | 59.7            |
| 15 - 20               | 59.5            |
| 20 - 25               | 56.1            |
| 25 - 30               | 59.6            |
| 30 - 35               | 55.8            |
| 35 - 40               | 58.6            |
| 40 - 45               | 59.3            |
| 45 - 50               | 57.8            |
| 50 - 55               | 59.9            |
| 55 - 60               | 56              |

Project: Biennale Office HQ  
 Tenancy: Biennale  
 Simulation: Biennale Solution 1  
 Lift: All

Date: 5/9/2014  
 Zone: Zone 2  
 Traffic Scenario: (2) Down Peak  
 Iteration: All

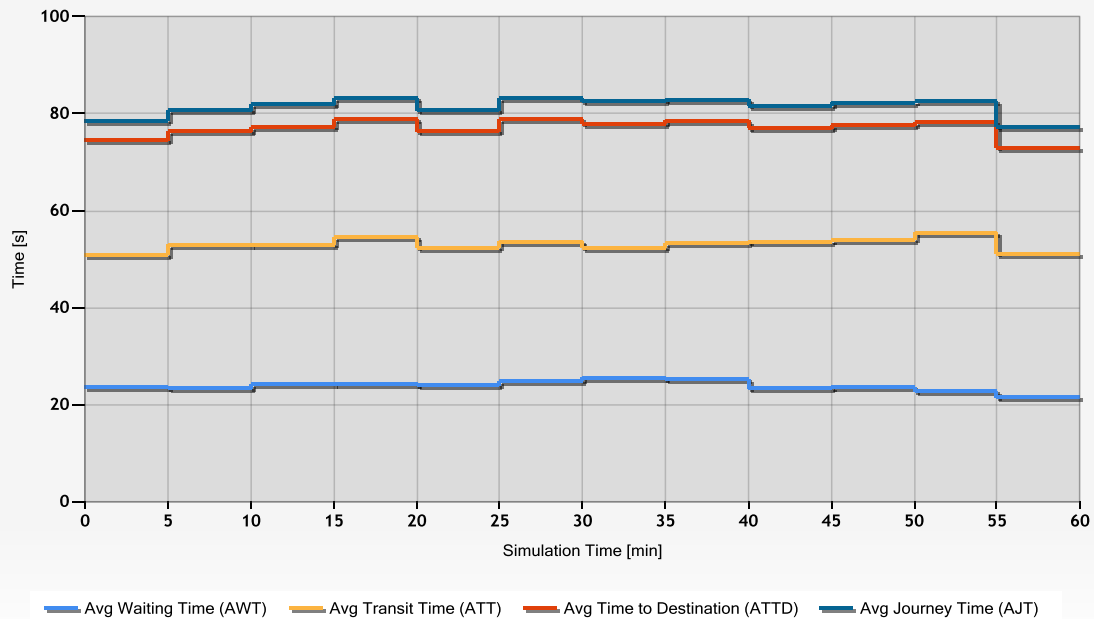


| Simulation Time [min] | Stops Average | Stops Maximum |
|-----------------------|---------------|---------------|
| 0 - 5                 | 1.87          | 6             |
| 5 - 10                | 1.81          | 7             |
| 10 - 15               | 1.78          | 6             |
| 15 - 20               | 1.65          | 6             |
| 20 - 25               | 1.64          | 6             |
| 25 - 30               | 1.83          | 6             |
| 30 - 35               | 1.74          | 6             |
| 35 - 40               | 1.69          | 7             |
| 40 - 45               | 1.73          | 7             |
| 45 - 50               | 1.75          | 6             |
| 50 - 55               | 1.77          | 7             |
| 55 - 60               | 1.58          | 6             |

Project: Biennale Office HQ  
 Tenancy: Biennale  
 Simulation: Biennale Solution 1  
 Floor: All

Date: 5/9/2014  
 Zone: Zone 2  
 Traffic Scenario: (3) Lunch

## Average Times

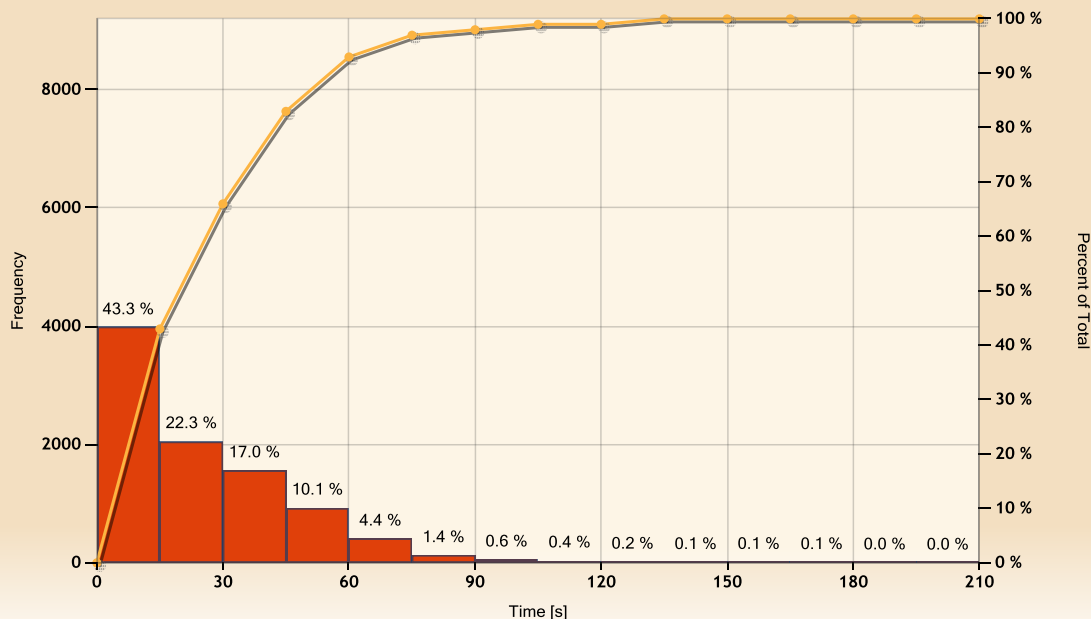


| Simulation Time [min] | AWT [s] | ATT [s] | ATTD [s] | AJT [s] |
|-----------------------|---------|---------|----------|---------|
| 5 - 55                | 24.2    | 53.5    | 77.7     | 82.2    |
| 0 - 5                 | 23.6    | 51      | 74.6     | 78.6    |
| 5 - 10                | 23.3    | 53      | 76.3     | 80.7    |
| 10 - 15               | 24.5    | 52.9    | 77.4     | 81.9    |
| 15 - 20               | 24.3    | 54.5    | 78.9     | 83.3    |
| 20 - 25               | 24      | 52.4    | 76.4     | 80.8    |
| 25 - 30               | 25.1    | 53.7    | 78.8     | 83.3    |
| 30 - 35               | 25.6    | 52.5    | 78       | 82.6    |
| 35 - 40               | 25.3    | 53.2    | 78.6     | 83      |
| 40 - 45               | 23.5    | 53.6    | 77.1     | 81.7    |
| 45 - 50               | 23.8    | 54      | 77.8     | 82.2    |
| 50 - 55               | 22.8    | 55.4    | 78.2     | 82.6    |
| 55 - 60               | 21.7    | 51.2    | 72.9     | 77.4    |

Project: Biennale Office HQ  
 Tenancy: Biennale  
 Simulation: Biennale Solution 1  
 Floor: All

Date: 5/9/2014  
 Zone: Zone 2  
 Traffic Scenario: (3) Lunch

**Average Waiting Time Histogram (Frequency Diagram)**



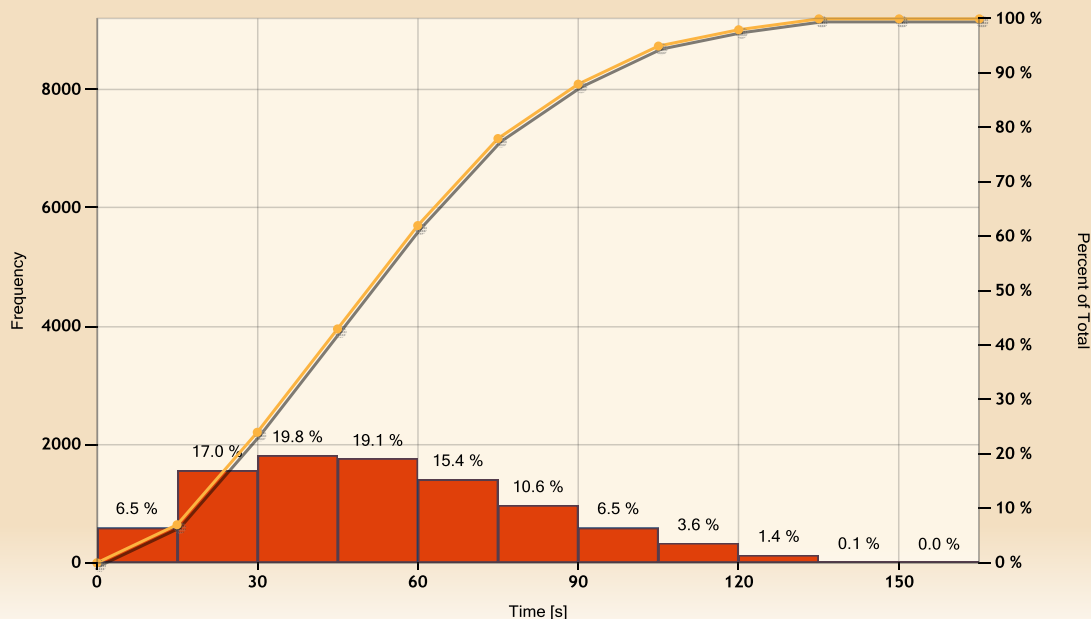
| Time [s]  | Persons | Percent of Total [%] | Cumulative Percentage [%] |
|-----------|---------|----------------------|---------------------------|
| 0 - 15    | 3980    | 43.3                 | 43.3                      |
| 15 - 30   | 2054    | 22.3                 | 65.6                      |
| 30 - 45   | 1561    | 17                   | 82.6                      |
| 45 - 60   | 930     | 10.1                 | 92.7                      |
| 60 - 75   | 407     | 4.4                  | 97.1                      |
| 75 - 90   | 126     | 1.4                  | 98.5                      |
| 90 - 105  | 53      | 0.6                  | 99                        |
| 105 - 120 | 37      | 0.4                  | 99.4                      |
| 120 - 135 | 16      | 0.2                  | 99.6                      |
| 135 - 150 | 10      | 0.1                  | 99.7                      |
| 150 - 165 | 12      | 0.1                  | 99.8                      |
| 165 - 180 | 9       | 0.1                  | 99.9                      |
| 180 - 195 | 4       | 0                    | 100                       |
| 195 - 210 | 1       | 0                    | 100                       |



Project: Biennale Office HQ  
 Tenancy: Biennale  
 Simulation: Biennale Solution 1  
 Floor: All

Date: 5/9/2014  
 Zone: Zone 2  
 Traffic Scenario: (3) Lunch

**Average Transit Time Histogram (Frequency Diagram)**

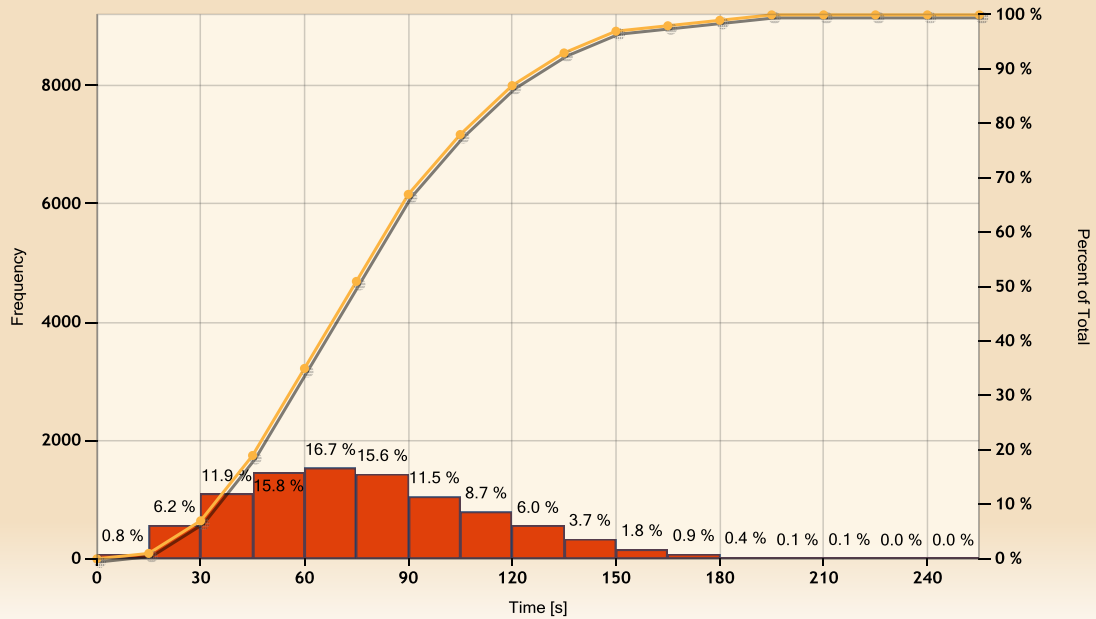


| Time [s]  | Persons | Percent of Total [%] | Cumulative Percentage [%] |
|-----------|---------|----------------------|---------------------------|
| 0 - 15    | 602     | 6.5                  | 6.5                       |
| 15 - 30   | 1568    | 17                   | 23.6                      |
| 30 - 45   | 1817    | 19.8                 | 43.3                      |
| 45 - 60   | 1756    | 19.1                 | 62.4                      |
| 60 - 75   | 1413    | 15.4                 | 77.8                      |
| 75 - 90   | 972     | 10.6                 | 88.3                      |
| 90 - 105  | 601     | 6.5                  | 94.9                      |
| 105 - 120 | 328     | 3.6                  | 98.4                      |
| 120 - 135 | 132     | 1.4                  | 99.9                      |
| 135 - 150 | 10      | 0.1                  | 100                       |
| 150 - 165 | 1       | 0                    | 100                       |

Project: Biennale Office HQ  
 Tenancy: Biennale  
 Simulation: Biennale Solution 1  
 Floor: All

Date: 5/9/2014  
 Zone: Zone 2  
 Traffic Scenario: (3) Lunch

**Average Time to Destination Histogram (Frequency Diagram)**



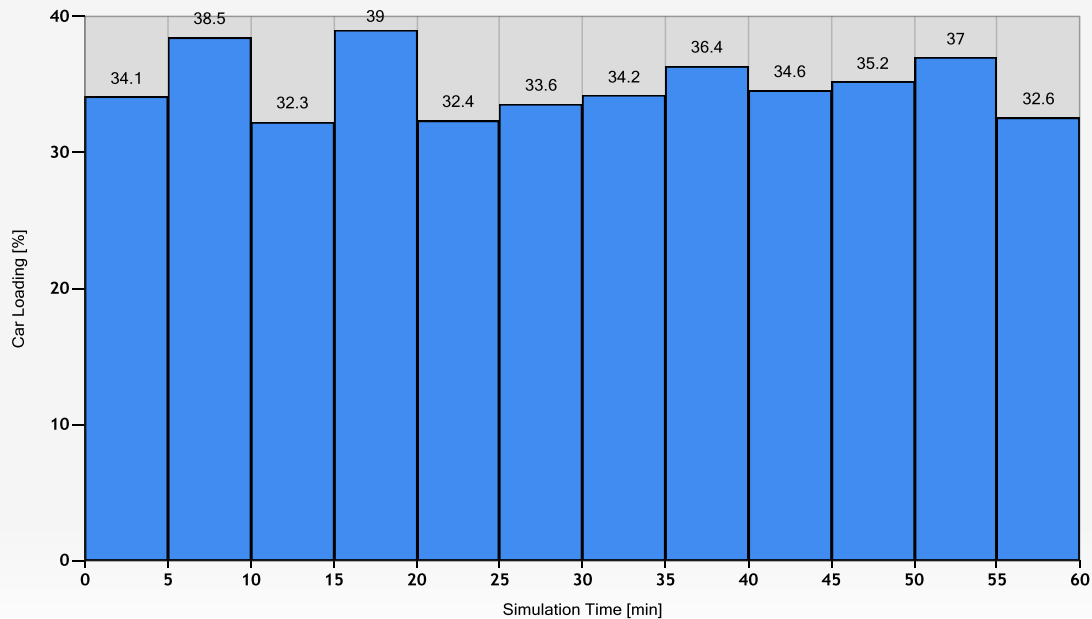
| Time [s]  | Persons | Percent of Total [%] | Cumulative Percentage [%] |
|-----------|---------|----------------------|---------------------------|
| 0 - 15    | 76      | 0.8                  | 0.8                       |
| 15 - 30   | 568     | 6.2                  | 7                         |
| 30 - 45   | 1091    | 11.9                 | 18.9                      |
| 45 - 60   | 1451    | 15.8                 | 34.6                      |
| 60 - 75   | 1534    | 16.7                 | 51.3                      |
| 75 - 90   | 1432    | 15.6                 | 66.9                      |
| 90 - 105  | 1056    | 11.5                 | 78.3                      |
| 105 - 120 | 799     | 8.7                  | 87                        |
| 120 - 135 | 554     | 6                    | 93.1                      |
| 135 - 150 | 337     | 3.7                  | 96.7                      |
| 150 - 165 | 162     | 1.8                  | 98.5                      |
| 165 - 180 | 79      | 0.9                  | 99.3                      |
| 180 - 195 | 36      | 0.4                  | 99.7                      |
| 195 - 210 | 8       | 0.1                  | 99.8                      |
| 210 - 225 | 11      | 0.1                  | 99.9                      |

|           |   |   |     |
|-----------|---|---|-----|
| 225 - 240 | 3 | 0 | 100 |
| 240 - 255 | 3 | 0 | 100 |

Project: Biennale Office HQ  
 Tenancy: Biennale  
 Simulation: Biennale Solution 1  
 Floor: 0

Date: 5/9/2014  
 Zone: Zone 2  
 Traffic Scenario: (3) Lunch

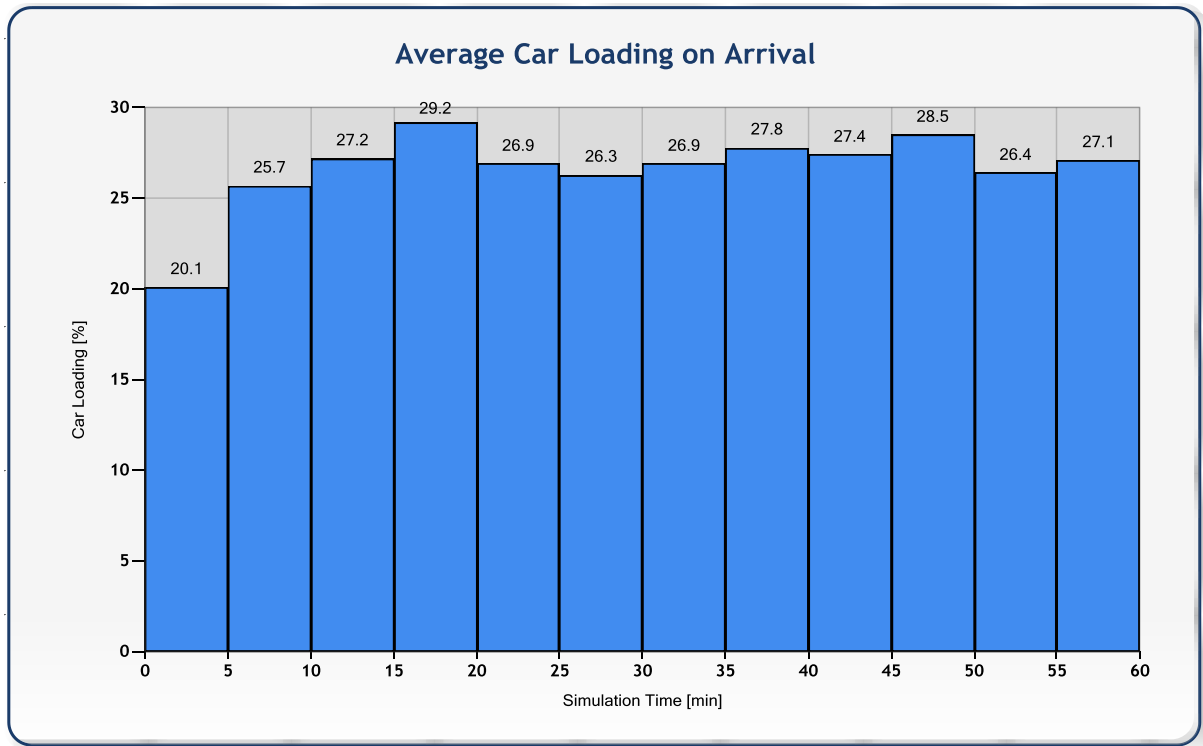
**Average Car Loading on Departure**



| Simulation Time [min] | Car Loading [%] |
|-----------------------|-----------------|
| 5 - 55                | 35.2            |
| 0 - 5                 | 34.1            |
| 5 - 10                | 38.5            |
| 10 - 15               | 32.3            |
| 15 - 20               | 39              |
| 20 - 25               | 32.4            |
| 25 - 30               | 33.6            |
| 30 - 35               | 34.2            |
| 35 - 40               | 36.4            |
| 40 - 45               | 34.6            |
| 45 - 50               | 35.2            |
| 50 - 55               | 37              |
| 55 - 60               | 32.6            |

Project: Biennale Office HQ  
 Tenancy: Biennale  
 Simulation: Biennale Solution 1  
 Floor: 0

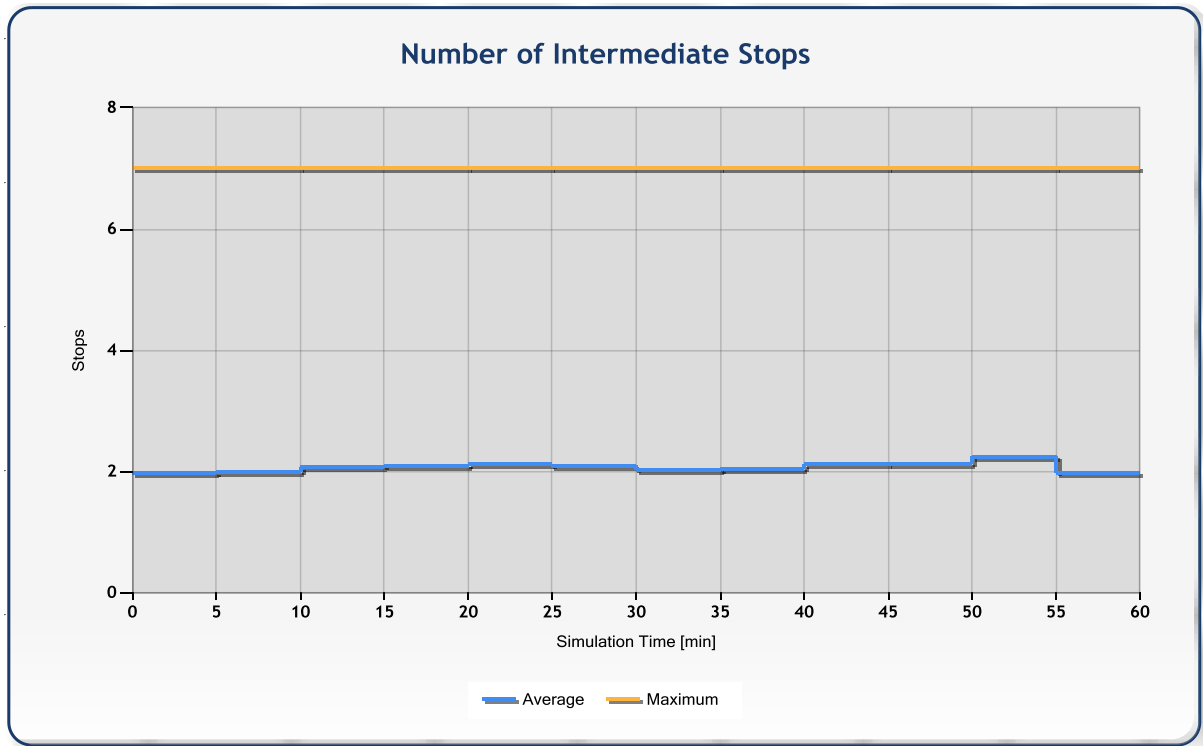
Date: 5/9/2014  
 Zone: Zone 2  
 Traffic Scenario: (3) Lunch



| Simulation Time [min] | Car Loading [%] |
|-----------------------|-----------------|
| 5 - 55                | 27.2            |
| 0 - 5                 | 20.1            |
| 5 - 10                | 25.7            |
| 10 - 15               | 27.2            |
| 15 - 20               | 29.2            |
| 20 - 25               | 26.9            |
| 25 - 30               | 26.3            |
| 30 - 35               | 26.9            |
| 35 - 40               | 27.8            |
| 40 - 45               | 27.4            |
| 45 - 50               | 28.5            |
| 50 - 55               | 26.4            |
| 55 - 60               | 27.1            |

Project: Biennale Office HQ  
 Tenancy: Biennale  
 Simulation: Biennale Solution 1  
 Lift: All

Date: 5/9/2014  
 Zone: Zone 2  
 Traffic Scenario: (3) Lunch  
 Iteration: All



| Simulation Time [min] | Stops Average | Stops Maximum |
|-----------------------|---------------|---------------|
| 0 - 5                 | 1.97          | 7             |
| 5 - 10                | 1.99          | 7             |
| 10 - 15               | 2.08          | 7             |
| 15 - 20               | 2.11          | 7             |
| 20 - 25               | 2.12          | 7             |
| 25 - 30               | 2.1           | 7             |
| 30 - 35               | 2.02          | 7             |
| 35 - 40               | 2.04          | 7             |
| 40 - 45               | 2.13          | 7             |
| 45 - 50               | 2.12          | 7             |
| 50 - 55               | 2.25          | 7             |
| 55 - 60               | 1.98          | 7             |