

Last modified: 2018-10-19

## 6.00-03 [136352] 2018-10-19

### + New Features and Changes

#### Data model

- + Growth Rate: The value 'Growth Rate' was renamed to 'Growth Factor' in the graphical user interface, the global settings, and in the report. **(1699)**

### ✓ Fixed Bugs

#### Graphic parameters

- ✓ Future Total Volume: An icon was added for the parameter 'Future Total Volume'. **(1716)**

#### Traffic control tab

- ✓ CCG: An issue was fixed, where Vistro froze, when 'CCG Third Edition' was selected. This happened, for example, when signal group numbers were set or when 'Create Default Signalization' was clicked. It only happened, if there was an LTR lane group with medium to high volume. **(1748)**
- ✓ ICA check: ICA check now reports, when a signal group is assigned to a movement but not placed in the Sequence. This is treated as error. **(1713)**
- ✓ ICU: An issue regarding user defined saturation flow rates was fixed. Now the user defined values are also taken into account correctly for left turners. **(1751 ⚠)**
- ✓ Signalized, ICU 1: An issue was fixed in the calculation of Intersection V/C and Intersection LOS. **(1662 ⚠)**

#### Trip generation tab

- ✓ Sorting: Vistro no longer shows an error message when the grid is sorted by 'Data Entry' or 'Trip Type'. **(1705)**

### ⚠ Breaking Changes

#### Traffic control tab

- ⚠ ICU: Results may change when user defined saturation flow rates are used. **(1751 ✓)**
- ⚠ Signalized, ICU 1: Intersection V/C and Intersection LOS may differ from earlier versions. **(1662 ✓)**

## 6.00-02 [133336] 2018-07-30

### ✓ Fixed Bugs

#### File import / export

- ✓ Visum import: An issue was fixed, where signalization data connected to overlaps was not imported correctly. **(1663)**

#### Scenario management

- ✓ Paths: An issue was fixed, where paths were lost in scenarios, when an intersection was inserted on a link. Directly after the intersection was added, paths going through that intersection were still visible. But when the scenario was closed and reopened, these paths were lost. **(1670)**

#### Stability

- ✔ Crashes: An issue was fixed, where Vistro would crash after using it for a while. This happened, for example, after printing reports for several large files or after working in the graphical editor a lot, while the mitigation tab was open. (1664)

### Traffic control tab

- ✔ Signalized, free running: An issue regarding cycle times was fixed with free running controllers. The cycle time now is calculated correctly based on input volumes instead of wrongly staying set at a fixed value. (1675)
- ✔ Two-way stops: An issue was fixed, where Vistro showed wrong and very high values for Intersection V/C. (1672 ⚠)
- ✔ Two-way stops: Movements (and approaches) with volume 0 are no longer taken into account in any calculations. The corresponding cells in the grid and in reports are grayed out or empty. The corresponding arrows in the graphical editor are also no longer shown. (1626)
- ✔ Two-way stops: The row 'Conflicting flow rate' now takes into account vehicle volume and pedestrian volume. Before, it only showed vehicle volumes. In the row 'Capacity of Shared Lane', values are now also shown for shared rank 2 movements on major flows. (1673 ⚠)

### ⚠ Breaking Changes

### Traffic control tab

- ⚠ Two-way stops: Intersection V/C may change. (1672 ✔)
- ⚠ Two-way stops: Results change for intersections with pedestrian volumes and for intersections with a shared lane on a major flow. (1673 ✔)

## 6.00-01 [131642]

2018-06-01

### + New Features and Changes

#### Non-graphical editors

- + ProtPerm: The value 'ProtectedPermissive' was renamed to 'ProtPerm' for better legibility when in narrow columns. (1637)

### ✔ Fixed Bugs

#### Intersection setup tab

- ✔ Roundabouts: The value Inscribed Circle Diameter now is editable even if an approach does not have any inbound lanes. (1625)

#### Non-graphical editors

- ✔ Boundaries: An issue was fixed, where it was possible to enter values lying outside of the valid range (for example negative values in certain cases). (1619)

#### Scenario management

- ✔ Trips generated: The value of Trips Generated was sometimes not updated when a scenario was opened. This issue was fixed. (1649)

#### Trip distribution tab

- ✔ Editing values: An issue was fixed, where entering a value and pressing return did not lead to an update of related cells in the grid. (1487)

## 6.00-00 [129431]

2018-03-09

### + New Features and Changes

#### Graphical editors

- + Channels and bypasses: Channelized turns and bypasses on roundabouts are now drawn realistically. The values 'Channelized Radius' and 'Bypass Radius' can be used to determine their size. The number of turning lanes affects the width of the channel. Pure turning lanes are cut off before the stop line, so that the intersection geometry is more realistic. **(1282)**

## Graphical interface

- + High DPI: Several improvements were made regarding displays with high resolution. For example, icons are sized correctly, the reporting dialog is displayed correctly in all cases, information messages are displayed completely. **(1139)**

## Non-graphical editors

- + Synchronization: When a single grid cell of a movement, a lane group, or a zone is selected, the corresponding element is now highlighted in the graphical network editor. When a row in the trip distribution grid is selected, the graphical network editor shows an arrow from the from-zone (or -gate) to the to-zone (or -gate). **(838)**

## Traffic control tab

- + Canadian capacity guide: Vistro now supports intersection capacity analysis according to the methodology of the Canadian Capacity Guide (Third Edition) for signalized intersections. For this 'CCG Third Edition' needs to be selected as analysis method for intersections with control type 'Signalized'. **(1528)**

## ! Breaking Changes

### Roundabout, HCM

- ! Capacity is now calculated differently on approaches with two or more entry lanes and no bypass. Previously only one lane was taken into account, now all lanes are taken into account. Capacities on approaches with more than one lane and no bypass will change. **(1557)**

### Roundabouts

- ! The channelized turn flag, which is only visible for signalized intersections, now no longer affects calculation results for roundabouts. Calculation results may change depending on the setting of the channelized turn flag. **(1565)**

### Traffic control tab

- ! HCM, two-way-stop: Calculation of ranks of movements was adjusted in the case where the major flow is a right turn / left turn but there are still legs on both sides of the major flow. This will change calculation results like capacity and delays. **(1546)**