

# SIDRA INTERSECTION VERSION 4 UPDATE HISTORY

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## **Version 4.0.19.1104**

Release Date: 5 Jul 2010

### *Bug Fixes:*

- Bug where Floating Licence file became corrupted in some cases fixed.
- Movement Data dialog problem where some parameters appeared twice after converting from Roundabout Metering sites fixed.
- Processing bug in some unusual short lane overflow cases fixed.

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## **Version 4.0.18.1102**

Release Date: 29 Apr 2010

### *Bug Fixes:*

- Bug where Layout Printing was not available in some cases fixed. This bug was introduced in previous update (4.0.17.1097).
- Various other display focus issues resolved.

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## **Version 4.0.17.1097**

Release Date: 8 Apr 2010

### *Enhancements:*

- Copying of Intersection Summary, Movement Summary, Lane Summary and Phasing Summary output reports, and Movement Displays for pasting into Microsoft Word documents has been improved.
- In the Roundabout Metering dialog, the method for specifying the Metered and Controlling Approaches has been improved.
- In the Approaches & Lanes dialog, the lane deletion method has been improved including better positioning of the lane selected after deletion.
- In the Freeway dialog, the lane addition and deletion methods have been improved including cloning of the selected lane, insertion of the new lane at a more appropriate position and better positioning of the lane selected after deletion.

- The Site deletion method has been improved including setting the selected Site to the one after the deleted Site.
- Licensing assemblies have been updated.
- Title and text of disabled groups of data in various input dialogs have been greyed out.
- User Guide has been updated.

#### *Bug Fixes:*

- Error reporting when problems encountered while parsing XML file for Detailed Output fixed.
- Site name not being updated when Project is closed immediately after changing Site name fixed.
- Project Tree icons disappearing occasionally fixed.
- Very long file names in Recent Project list causing menu items to disappear fixed.
- Fixed refreshing of Template Groups after Templates are changed.
- Error message added when One-Way roads are set up incorrectly to prevent exception message in various input dialogs.
- Discrepancy between Continuous Movement LOS values in Movement Summary and Movement Display (Level of Service) fixed.
- Error checks and treatment of lanes at SPUI with one-way freeway have been improved.
- Discrepancy of some performance statistics of single-lane approaches between Detailed Output and Lane Summary reports fixed.
- Bug where incorrect Negotiation Speed was sometimes calculated for Through Continuous Movements at Sign-Controlled Intersections fixed.
- Bug where delay for a lane with short lane overflow was not fully included in the Intersection Average Delay fixed.
- Bug where movement flows reported in Movement Summary did not include effects of short lane overflow fixed.
- Installation failure if Microsoft SQL Server Compact 3.5 SP2 Beta has been installed fixed.
- Failure to acquire floating licence when a user does not have permission to change the related registry value fixed.

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## **Version 4.0.16.1074**

Release Date: 17 Feb 2010

#### *Enhancements:*

- Compaction of SIDRA INTERSECTION Project file has been introduced. Compaction of the file each time it is closed will reduce Project file size significantly in some cases.
- The method of lane addition in the Approaches & Lanes dialog has been improved including cloning of the selected lane and insertion of the new lane at a more appropriate position.

#### *Bug Fixes:*

- Bug when using Help button in the Main Window fixed.
- Bug when reporting error for given phase times that violate Dummy Movement Minimum Green Time fixed.
- Bug when importing Version 3 Project files containing Sites with description longer than 500 characters fixed. The description will be truncated to 500 characters when importing.

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**Version 4.0.15.1069**

Release Date: 29 Jan 2010

*Enhancements:*

- Tooltips added to ribbon buttons in the user interface.
- Phasing Summary report modified to enable easier copying and pasting of pictures and timing results into Microsoft Word. Timing results are given in a separate table.
- User Guide updated.
- Copyright text modified.
- Output report header and footer formats changed.
- Site Name length limited to 100 characters.
- Minor changes done in the Help About dialog.

*Bug Fixes:*

- Problem caused by characters &, <, >, ", and ' in Phase Name or Cost Unit when generating Detailed Output report fixed.
- Error in importing volumes from old DAT files when the Volume Data Method is not "Separate LV & HV" fixed.
- Bug when importing Version 3 Project files containing Sites with names longer than 100 characters fixed. Site names will be truncated to 100 characters when importing.
- Bug when cloning or converting Sites where the resulting name exceeded 100 characters fixed. The name of the new Site will be truncated to 100 characters.
- Problem where the F1 function for Help did not work when a dialog is open.
- Bug when using the Print Preview function for Volume Summary, Movement IDs or Flow Displays fixed.
- API bug where some non-existing vehicle O-D movements were included in the MovementVehicleODs list, e.g. movements to a one-way approach.

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**Version 4.0.14.1049**

Release Date: 02 Dec 2009

*Enhancements:*

- User Guide Buttons added to Ribbon instead of tabs.
- User Guide updated.
- In the Priorities Dialog, tooltips added for Opposing Movements.
- Exit Lanes numbered from left to right in the direction of travel (Input Report).
- The Licence Type "UNLIMITED" renamed as "ENTERPRISE".

*Bug Fixes:*

- Error in Roundabout Metering calculations for unusual flow cases fixed.
- A discrepancy in geometric delay values in shared lane cases between Version 3.2 and Version 4.0 resolved.

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**Version 4.0.13.1038**

Release Date: 10 Nov 2009

*Enhancements:*

- Added API CHM help file.
- User Guide separated into four sections which are accessible via four tabs on the left-hand side of user interface.
- Added processing warning for flow scale range bound check.

*Bug Fixes:*

- Fixed bug where changes to the Turn Designation in the input dialog did not refresh open displays.
- Fixed bug in AAP import where some LTR movements would not be created correctly.
- Fixed bug where some Pedestrian movement data were not converted in US Units models.
- Fixed installation bug where resource database incorrectly overwritten.

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**Version 4.0.12.1029**

Release Date: 22 Oct 2009

*Enhancements:*

- Help Button added to ribbon.
- Enhanced API.
- Minor enhancements to detailed output tables.

*Bug Fixes:*

- Fixed "Unhandled Exception" that occurred only on WinXP where the program tries overwrite a project file that is "read-only" or where the user does not have sufficient permission.
- Fixed "Input String was not in a correct format" error which occurred when opening output reports on systems whose regional settings used the comma as the decimal separator.
- Fixed bug in layout picture where sites having multiple slip or continuous lanes on a leg did not draw correctly.
- Fixed Parameter Scale from not being reported correctly on output reports.
- Fixed Pedestrian Roundabout output problems for US model.
- Fixed Pedestrian calculations for non-metric models.
- Fixed minor error in geometric delay calculation.

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**Version 4.0.11.1022**

Release Date: 28 Sep 2009

*Enhancements:*

- Initial Help System implemented.
- Support for 64-bit Operating Systems.
- Enhanced support for customised user models.
- Improved template selection.

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**Version 4.0.10.982**

Release Date: 10 Sep 2009

*Enhancements:*

- API implemented.
- Revised Roundabout Metering performance models.
- Improved error detection and handling at program start up and project file opening.

*Bug Fixes:*

- Selected "Other Roundabout Models" in Advanced Model Settings did not display the correct selection in Detailed Output.
- User-given Pedestrian Crossing distances now imported from AAP files.
- Warnings generated during processing sometimes caused program crashes.
- Check added to prevent performing a "Save As" over the currently open project.

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**Version 4.0.9.973**

Release Date: 14 Aug 2009

*Enhancements:*

- DAT File (Old SIDRA) import facility added.

*Bug Fixes:*

- Image scaling/cropping problems seen in reports copied via the clipboard or printed fixed.

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**Version 4.0.8.970**

Release Date: 04 Aug 2009

*Enhancements:*

- User Guide updated.

*Bug Fixes:*

- Problem in importing Turn-On-Red settings from SIDRA INTERSECTION 3.x projects for US (HCM) & US (Metric) sites fixed.

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**Version 4.0.7.967**

Release Date: 03 Aug 2009

*Enhancements:*

- Offline Licence Transfer implemented.
- User Guide completed.
- Backup of project file created when project is opened.
- Enhanced support of non-Latin character sets.
- Enhanced support of Vista UAC in installation.

*Bug Fixes:*

- Licensed company name not correctly shown in Licence details.

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**Version 4.0.6.960**

Release Date: 28 July 2009

*Enhancements:*

- Processing of Metered Roundabout sites made available.
- Floating Licensing option made available.
- User Guide updated with new Part 2 (Input Guide).

*Bug Fixes:*

- Continuous and Slip lanes are now not allowed at AWSC.
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**Version 4.0.4.950**

Release Date: 21 Jul 2009

*Enhancements:*

- Further additions to User Guide.

*Bug Fixes:*

- Fixed bug where input text boxes do not handle decimal numbers correctly when a "comma" is used as the decimal separator in Windows regional settings.
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**Version 4.0.3.946**

Release Date: 17 Jul 2009

*Enhancements:*

- Added complete User Guide.

*Bug Fixes:*

- Fixed problem with resizing docked windows.
  - Fixed issue where right-clicking on some items in the ribbon caused a program exception.
  - Fixed problem where some reports were not correctly refreshed when another report displayed on top was closed.
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**Version 4.0.2.941**

Release Date: 16 Jul 2009

*Bug Fixes:*

- Missing DLL from installation package resulted in an error whenever an online Activation was attempted.
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