

SIDRA INTERSECTION 5 FIRST STEPS

You need to know about the first few steps to take when you run SIDRA INTERSECTION. To learn more, click the **Intro&Starting** button in the **User Guide** group in the ribbon and refer to **Part 2, Section 2**.

To start SIDRA INTERSECTION, **double-click the SIDRA INTERSECTION icon** on your desktop.

The **Project Pane** on the left-hand side of the screen displays a temporary **Project** (New Project - 1) which is created automatically when you start SIDRA INTERSECTION (*Figure 1*).

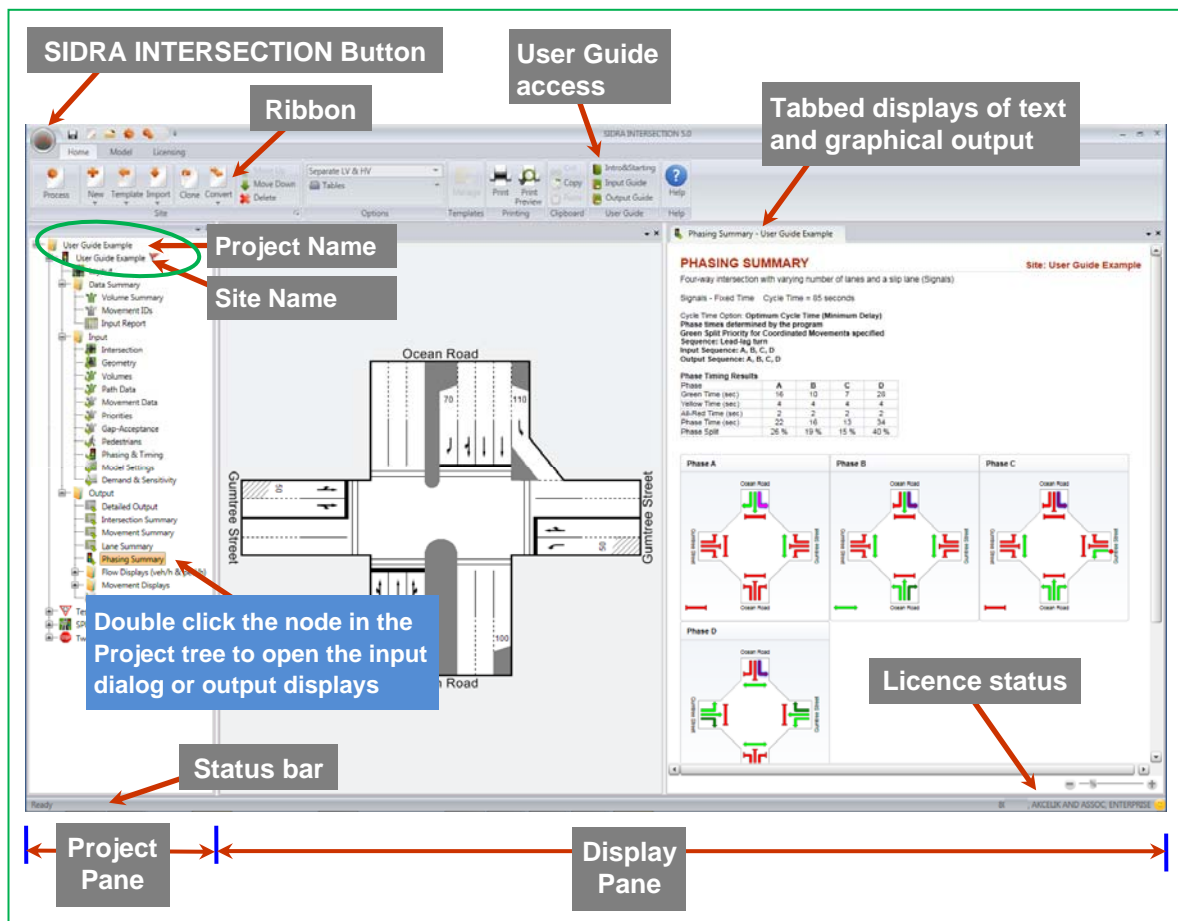


Figure 1 - SIDRA INTERSECTION user interface

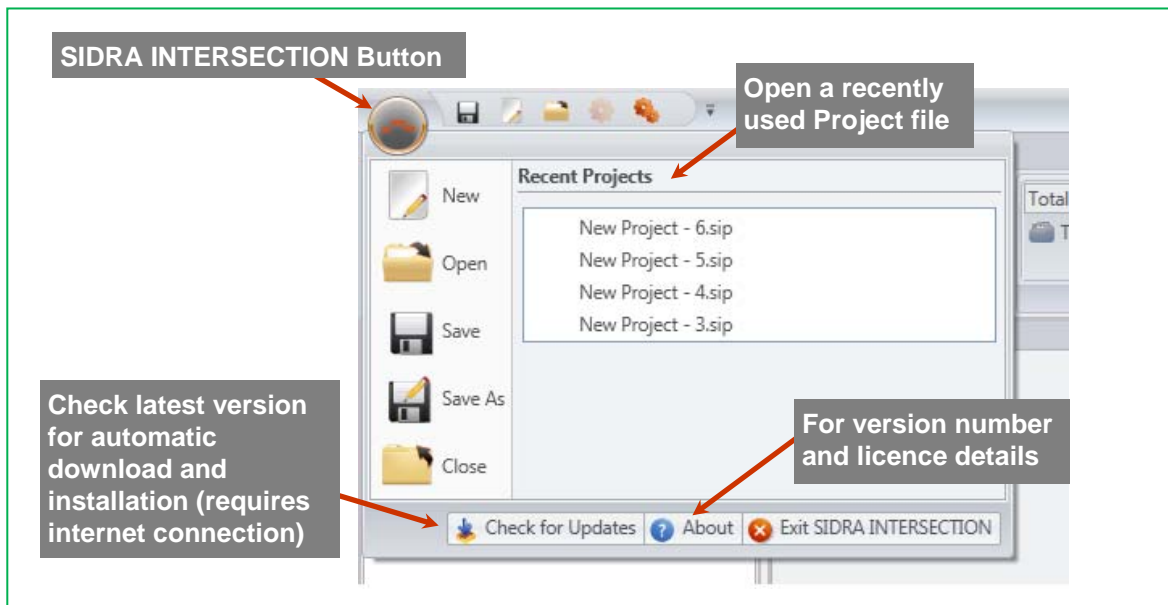


Figure 2 - SIDRA INTERSECTION Button

If you close the Project, you need to create a **new Project** or open an **existing Project**. For this purpose, click the **SIDRA INTERSECTION Button** in the ribbon, and click **New** or **Open** (*Figure 2*).

All file management functions in SIDRA INTERSECTION are performed through the **Project** feature. A Project file (extension **sip**) consists of a number of **Sites**. A site contains all input, model parameters and output pertaining to a particular case.

When you start using SIDRA INTERSECTION for the first time, you need to add **Sites** to the Project. To do this, click the **New** or **Template** button in the **Site** group under the **Home** tab in the ribbon.

Project Pane and Display Pane

The SIDRA INTERSECTION user interface is shown in *Figure 1*.

The *Project Pane* on the left-hand side of the user interface contains the **Project tree** with each **Site** as a *node* in the tree. Within each Site node, there are *child nodes* (or *sub-nodes*) structured in a hierarchical manner. The main nodes are **Layout**, **Data Summary**, **Input** and **Output**.

The *Display Pane* contains all open output reports and graphical displays. Windows are opened in the Display Pane via actions in the Project tree.

Familiarise with SIDRA INTERSECTION User Interface

When you use SIDRA INTERSECTION for the first time, you may wish to follow the steps below to familiarise with the software user interface.

In the **Site** group under the **Home** tab in the ribbon, click **Template**, and then click **Signals**. In the Signals group of templates, click the last template name in the list (**User Guide Example ...**). This will add a **Site** named **User Guide Example ...** to the **Project**.

Click the **SIDRA INTERSECTION Button** in the ribbon to see the menu functions available for the Project file (*Figure 2*). Click **Save**, give a file name (e.g. "User Guide Example") and click the Save button in the **Save Project** dialog.

Double click the Site name, or click the + symbol to open the Site tree.

Click **Process** in the **Site** group under the **Home** tab in the ribbon. This will process the Site data and create output. Additional nodes will appear under the **Output** group in the tree.

Check the following in the user interface:

- A pane on the left-hand side of the screen which displays the Project tree with the Input and Output dialog groups under the Site (see *Figure 1*).
- Double-clicking a node in the tree representing a dialog group will open or close the set of nodes in the group (similar to clicking the + or - symbol next to the node name).
- Double-clicking a node at the lowest level in the **Input** group in the tree will open the input dialog associated with it.
- If you double-click nodes under the **Output** group in the tree, tabbed displays containing output reports and various displays will appear in the Display Pane on the right-hand side of the screen.

For the Site in the Project tree, double-click nodes in the left pane as indicated below. You can resize the display areas as you wish. You can access a menu by right clicking the Tabs of displays which will appear in order to configure displays as you wish (form different Tab Groups), change the behaviour of displays or close displays.

- Double-click **Layout**. A picture with intersection geometry will appear. Close the display.
- Open the **Data Summary** group and double-click **Volume Summary**. A picture with vehicle volume values will appear.
- In the **Data Summary** group, double-click **Input Report**. A text report will appear.
- In the **Input** group, double-click the **Geometry dialog**. The input dialog will open. Close the dialog (press the **Esc** key or click **Cancel**). You cannot use the other aspects of the user interface while an input dialog is open.
- In the **Output** group, double-click **Phasing Summary**. A report will appear containing text output and pictures with traffic movement symbols in various colours.
- Under **Output - Movement Displays - Delay, LOS and Capacity**, double-click **Delay (Average)**. A display will appear containing traffic movement symbols in colour.
- In the **Output** group, double-click the **Graphs** node. A Graphs display will open. A Graphs menu will also appear on the right-hand side of the user interface. Check and uncheck a few check boxes for various graphs to appear and disappear.
- In the **Output** group, double-click **Detailed Output**. A text report will appear. The tables given in various groups can be accessed using the table links given at the top of the report. Click a **table name** for the Detailed Output to display the table.
- Click the **Input Guide** command in the ribbon (User Guide group). Click a few bookmarks to display different pages of the Input Guide. Close the window.

This completes the steps for your familiarisation with the software.

Closing a Project or Deleting a Site

To close a Project, select the **Close** option under the SIDRA INTERSECTION Button, or right-click on the Project name in the Project tree and select **Close**.

To remove a Site from the Project tree, click the **Delete** button in the ribbon, or right-click on the Site name in the Project tree and select **Delete**. Once deleted, a Site cannot be restored.

Processing

When you click the **Process** button in the ribbon, SIDRA INTERSECTION input data processing and computations will be carried out.

You can also process **all Sites** in the Project, e.g. by clicking the **Process All Sites** button in the Quick Access Toolbar.

If no input data or processing errors are found, various output reports and displays will be generated under the **Output** node in the Project tree.

If any errors are found in processing, the Output node will not appear and an error message will be shown in a **Processing Error** message box. You must fix the errors before you will be able to get output for the Site.

Templates

Use the **Template** command in the Site group of commands in the ribbon to access many intersection templates provided by SIDRA INTERSECTION.

Models

SIDRA INTERSECTION has an extensive defaults system that covers all input data parameters, and most traffic model parameters. SIDRA INTERSECTION will use the Model (Defaults System) selected during installation. You can change the model at any time.

Click the **Model** tab in the ribbon to see the **Selected Model** as well as all available models in the drop-down list. To select another model, click the model name in the list.

Help System and User Guide

Use the help system and the User Guide for detailed information on all aspects of SIDRA INTERSECTION.

The help system can be accessed by clicking the Help button in the ribbon or pressing the F1 key.

The User Guide is in four parts, namely **Introduction**, **Getting Started**, **Input Guide** and **Output Guide**. These can be accessed via the commands **Intro&Starting**, **Input Guide** and **Output Guide** in the ribbon (**User Guide** group).



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