



1 Streetworks

Traffic Management Planning Automation

Quickstart Guide

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1Spatial
Unit F7, Stirling House
Cambridge Innovation Park
Denny End Road
Waterbeach
Cambridge
CB25 9PB
United Kingdom

Phone: +44 (0)1223 420414

Fax: +44 (0)1223 420044

Web: www.1spatial.com

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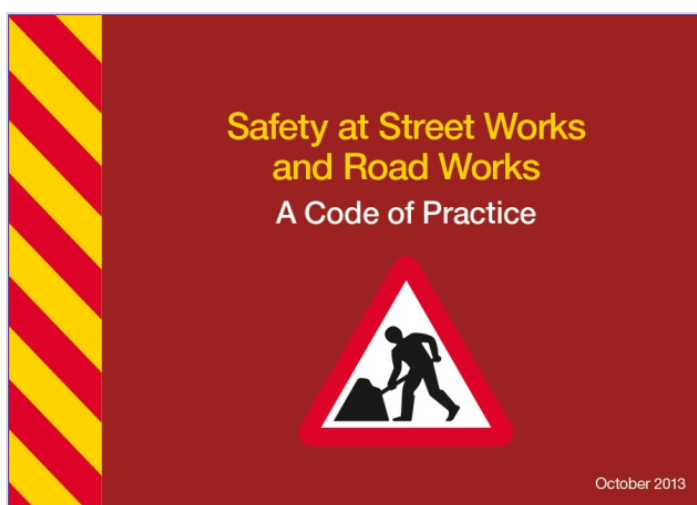
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1 Introduction

Welcome to 1Streetworks. This Quickstart guide covers creating a plan from start to finish with only the most important details. For a more granular guide to the tool, please refer to the User Guide or the online documentation.

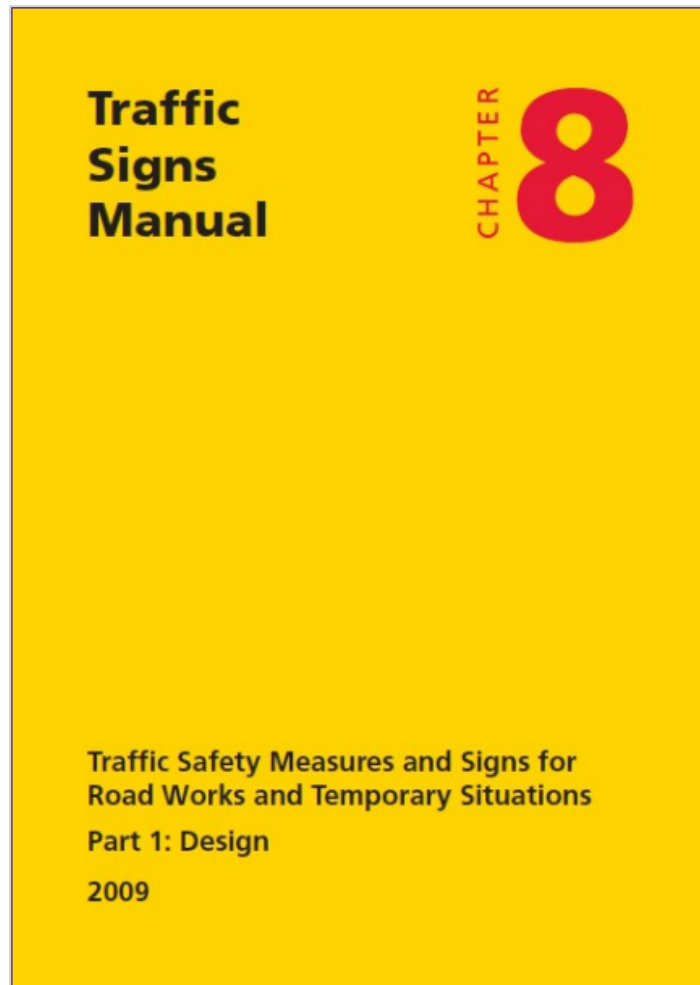
What is 1Streetworks?


1Streetworks is an online software service for automatically generating traffic management plans that are compliant with Safety at Street Works and Road Works - A Code of Practice (October 2013), often referred to as “the Red Book”.





The Red Book (and The Traffic Signs Manual, Chapter 8) is a rule book that describes how to lay out signing, lighting, and guarding equipment for street works and road works that are compliant with the rules it describes.

1Streetworks uses a rules engine, which contains a digitalised version of the Red Book rules and logic. It submits some basic information for a plan and the geographical data at that location, accessed live as a service from Ordnance Survey (for example, OS MasterMap® Topography and OS MasterMap® Highways Network, including speed limits) and from GeoPlace, to the rules to evaluate what traffic management plan layout is compliant with the Red Book at that location.



 **Note:** All map data is © Crown copyright and database rights 2026 and reproduced under 1Spatial's OS licence 100041549 and should not be copied or distributed.

 **Note:** Bus timetable data contains public sector information licensed under the Open Government Licence v3.0.
Transport for London bus timetable data is Powered by TfL Open Data.

 **Note:** English permits are sourced directly from the Department for Transport's Streetworks Manager open data, and Scottish permits are sourced directly from the Scottish Road Works Register. At this time, there is no central source of Welsh permits.

2 Interface

When you first log into 1Streetworks, the SaaS (Software as a Service) Agreement panel will appear. This needs to be accepted in order to continue and will only reappear when there is an update to the agreement.

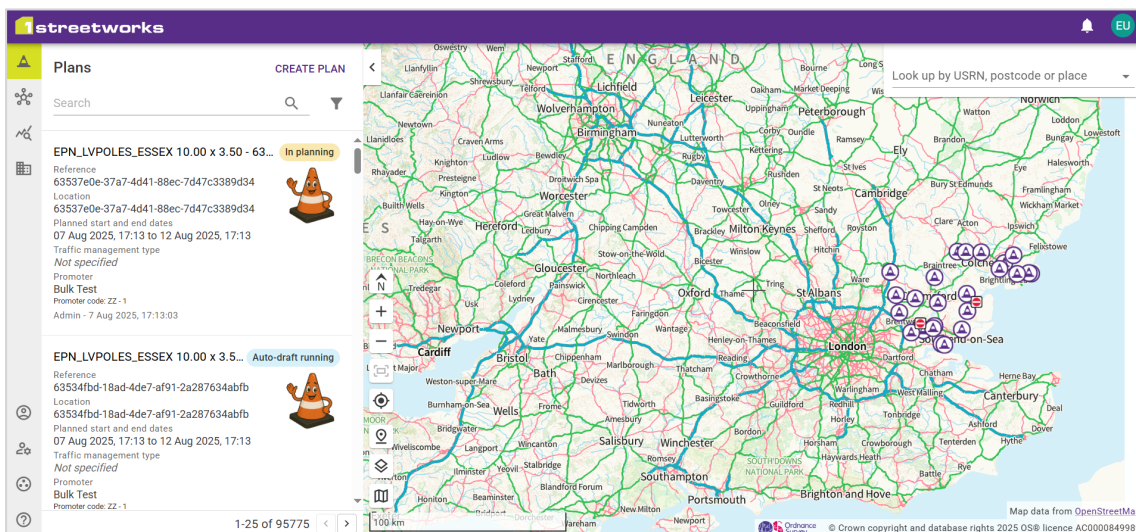
Software as a Service Agreement

To continue using 1Streetworks, please review and accept the current Software as a Service Agreement dated **1 November 2024**.


Read the latest [Software as a Service Agreement](#) within the 1Streetworks documentation.




DECLINE **ACCEPT**

After the agreement has been accepted and on any future login, the **Plans** tab is the default space; containing the map, plan summaries, and plan search functionality.



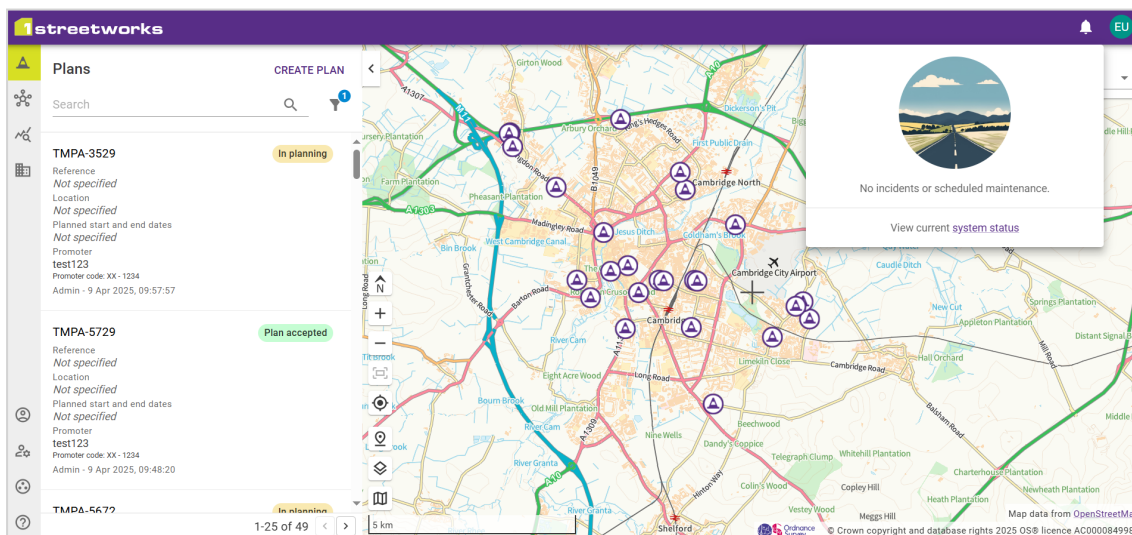
There are three sections users have access to in 1Streetworks: Plans, SWA Organisations, and Manage Account. These can be accessed from the following options from the side bar.


Tab	Description
 View Plans	This is the default start page and contains the map and the Plan Browser. The Plan Browser is a list of all your organisation's existing plans, including in-progress plans. Plan details can be viewed here, and

Tab	Description
 <p>Collaboration Plans</p>	<p>new plans can be created.</p>
 <p>Manage SWA Organisations</p>	<p>If your organisation is part of a consortium, this tab will be available. Plans for all members of the consortium are available to view in a read only mode.</p> <p>1Streetworks requires each plan to identify the works promoter or undertaker that a plan is for. The Manage SWA Organisations page shows all organisations that have been added to the list.</p> <p>Works promoters likely only have themselves listed. Works undertakers may have a list with all promoters that they work with.</p>
 <p>Account Management</p>	<p>You can manage your user profile and account security here.</p>

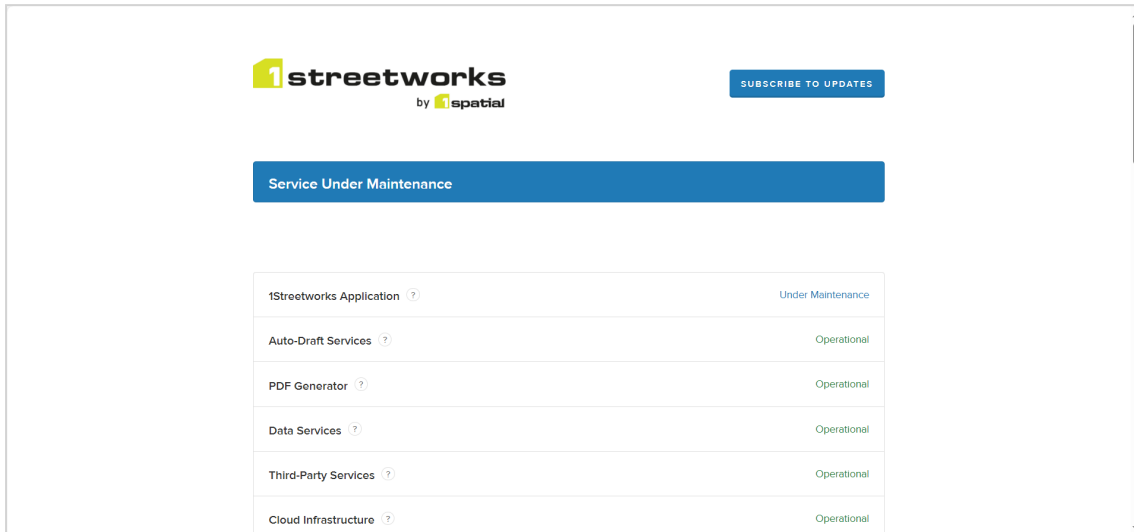
1 Streetworks System Status

1Streetworks is an online product that is hosted in the cloud. This means that services can and will occasionally be unavailable due to an incident or because of scheduled maintenance.



The System Status can be checked in the System Status panel by clicking the **Status** button . This lists any interruptions to the 1Streetworks Service. If

there is a live incident or current maintenance, there will be a yellow dot on the **Status** button.



A detailed System Status page can be reached via the link in the System Status panel, as well as via the System Status link in the documentation.

Click **Subscribe to Updates** to receive updates to the System Status via email, Slack, Teams, Atom Feed, or RSS feed.


The Map










The main workspace of the Plans screen is the map, until you choose to look at a specific plan, create a new one, or go to another tab. Part of the map will be obscured by the Plans panel, but this can be collapsed/expanded with the button at the top right of the panel.




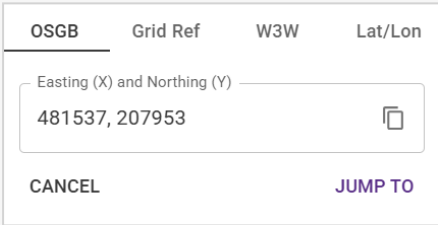
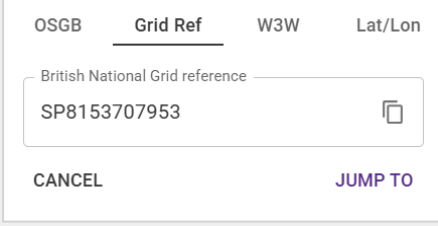
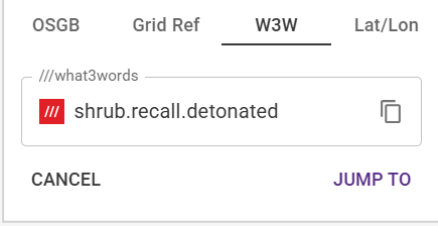
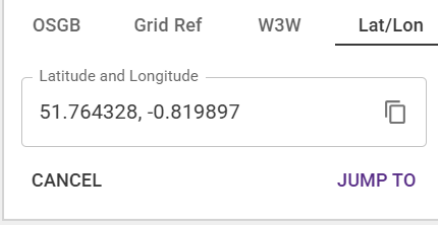
Collapse Panel Button

The map can be navigated by left-clicking and dragging, rotated and tilted by right-clicking and dragging, zoomed in and out with mouse/touchpad scrolling, and interacted with using the buttons in the bottom right of the Map panel.

Button	Description
 <i>Reset Orientation</i>	Resets the map grid orientation to North and the map tilt to 2D/ "flat".

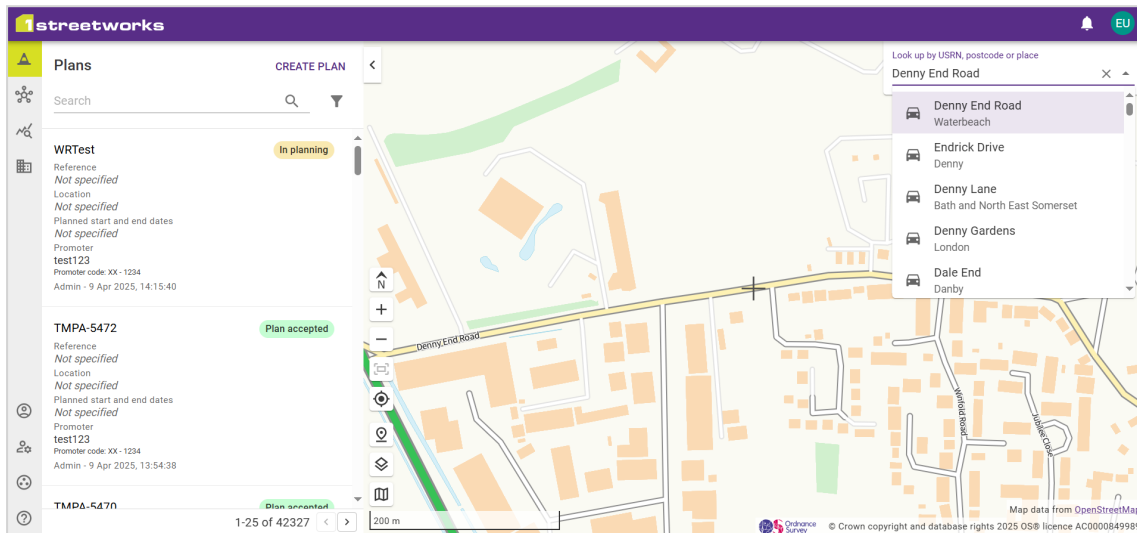
Button	Description
 <p data-bbox="363 360 472 389"><i>Zoom In</i></p>	<p data-bbox="638 271 1339 300">Incrementally increases zoom level down to 200m scale.</p>
 <p data-bbox="355 506 480 535"><i>Zoom Out</i></p>	<p data-bbox="638 416 1323 445">Incrementally decreases zoom level up to 100km scale.</p>
 <p data-bbox="341 674 494 703"><i>Zoom To Fit</i></p>	<p data-bbox="638 562 1310 629">Zooms to comfortably fit the visible contents of a plan on screen.</p> <p data-bbox="638 640 1054 674">Only enabled while a Plan is open.</p>
 <p data-bbox="341 813 494 842"><i>My Location</i></p>	<p data-bbox="638 723 1342 831">This jumps the map to the location of the device that you are using. This is affected by using a VPN (Virtual Private Network).</p> <div data-bbox="638 853 1342 965" style="border: 1px solid purple; border-radius: 10px; padding: 5px;"> <p data-bbox="660 875 1319 943"> Note: This will not work unless you allow your browser to share your location.</p> </div> <div data-bbox="638 987 1342 1066" style="border: 1px solid purple; border-radius: 10px; padding: 5px;"> <p data-bbox="660 1010 1302 1043"> Note: Jumping to a location resets the map orientation.</p> </div>
 <p data-bbox="363 1178 472 1245"><i>Jump To Location</i></p>	<p data-bbox="638 1088 1310 1223">Opens/Closes the Jump To panel, allowing specific locations to be centred on the Map. Choose one of the four options in the table below and click Jump To to centre the map on that location.</p> <div data-bbox="638 1245 1342 1323" style="border: 1px solid purple; border-radius: 10px; padding: 5px;"> <p data-bbox="660 1267 1302 1301"> Note: Jumping to a location resets the map orientation.</p> </div>
 <p data-bbox="336 1440 499 1469"><i>Select Layers</i></p>	<p data-bbox="638 1350 1302 1417">Opens the options for adding or removing information Layers.</p> <p data-bbox="638 1429 1310 1496">The Street Layers have filters for Speed Limits Special Designations, Reinstatements, Streets, and Roads.</p> <p data-bbox="638 1507 1334 1653">The POI Layers have toggles to show point of interest features such as Transport, Infrastructure, and Amenities. These include Bus Stops, Schools, Hospitals, Bridges, Tunnels, etc.</p> <p data-bbox="638 1664 1326 1731">The Boundary Layers have filters to show countries and local authorities.</p> <p data-bbox="638 1742 1334 1809">The Permits Layers have filters to show different permit types within a selection of date ranges.</p> <p data-bbox="638 1821 1342 1955">The Restriction Layers have filters for restrictions that are Proposed, In Force, Closed, and Cancelled. These can be further filtered with preset and specific date ranges e.g. "the next month".</p>

Button	Description
 <p>Map Options</p>	<p>Opens the display options for the map.</p> <p>This includes the choice of basemaps and a choice of flat or perspective views for Plan features.</p> <p>Show crosshair toggles the Map crosshair which denotes the centre of the current extents.</p> <p>Show 3D buildings, extrudes simple, transparent building geometry to the recorded heights on the map. This is not available on the Aerial basemap type.</p> <div style="border: 1px solid red; padding: 5px; margin-top: 10px;"> <p>Warning: These geometries are simple and cannot account for complex details and features. As such, this show 3D Buildings should be used as a guide only and not a definitive source.</p> </div>

Jump To options	Description
 <p>OSGB</p>	<p>This requires an Ordnance Survey easting (X) and northing (Y) for a location in metres.</p>
 <p>Grid Reference</p>	<p>Enter an Ordnance Survey National Grid reference for a location.</p> <div style="border: 1px solid purple; padding: 5px; margin-top: 10px;"> <p>Note: You can enter up to a 10-digit reference with the 2 letter grid code, for example: TL4710161198</p> </div>
 <p>What3Words</p>	<p>Enter the three words that make up a What3Words address, for example: quest.bike.lovely</p> <div style="border: 1px solid purple; padding: 5px; margin-top: 10px;"> <p>Note: This must be formatted with a period separating each word.</p> </div>
 <p>Latitude/Longitude</p>	<p>Enter a pair of latitude and longitude coordinates in decimal degrees.</p>

Look up location


Alternatively, the **Look up location** search bar in the top right of the map panel allows you to type a USRN, town name, postcode, or street name. This displays a list of all matching results. Selecting a result centres the map on its location.



3 Quickstart

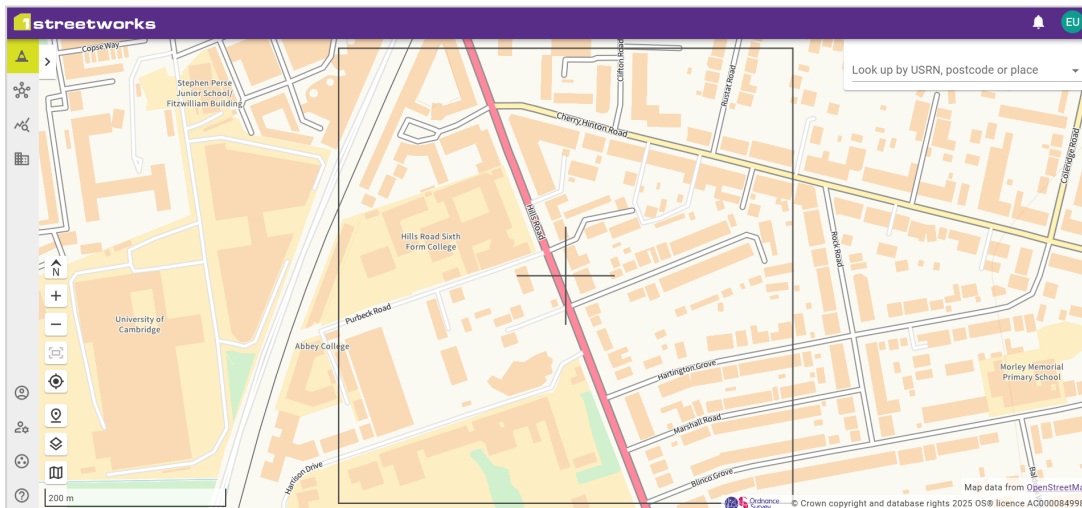
This guide follows the steps to create a basic Plan from start to finish, where the end goal is to have a usable PDF of the generated Plan.

Creating a Plan

1. Open the **Plans** tab via the **View Plans** tab  on the side bar.
2. Click **Create Plan** on the Plans panel.



3. Choose either **Auto-draft** or **Create manually** and click **Continue**. If you chose Create Manually, skip ahead to the **Editing a Plan** section.
4. If your map isn't at the correct location or zoomed in close enough, navigate there/zoom in using The Map until the extents box appears and covers the area that the plan is intended for.



The Create Plan panel is collapsed in the above screenshot

5. Complete the form in the Create Plan panel, only the Name and Promoter are required, the other fields are optional. If any details need changing later, this can be done by Editing Plans. Once everything is filled in, select **Create**.

Create Plan

Zoom in to create a plan.
Or use the gazetteer to choose a location.

Details

Plan name

Reference

Location

Planned start Start time

Planned end End time

Active working hours... Active working hours...

Active working hours are 24 hours/day

Promoter


Signage language

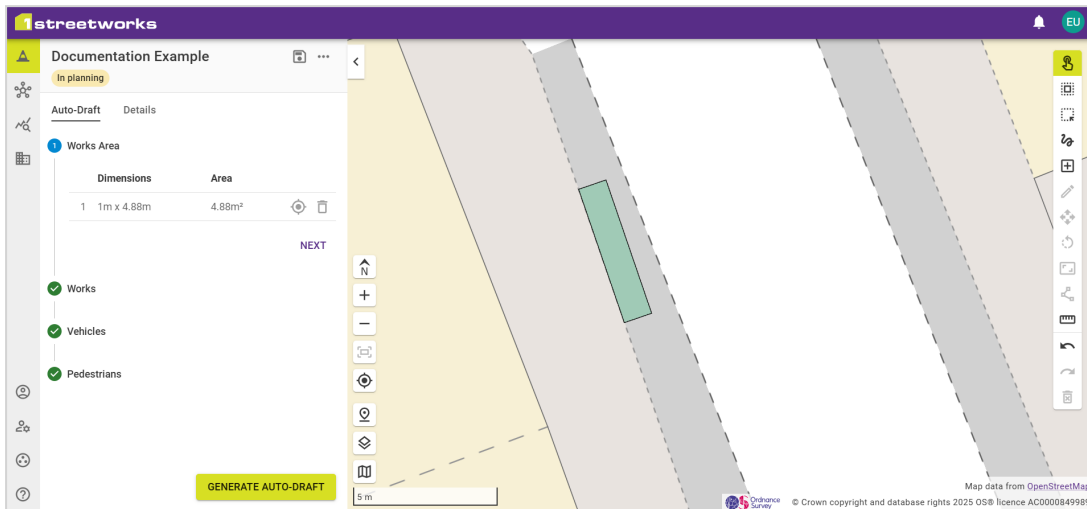
CANCEL CREATE

This brings you to the 4-step Auto-draft process.

Step	Description
1 - Works Area	The initial building block of a plan is the Works Area, as represented in the <i>“Red Book” - Safety at Street Works and Road Works - A Code of Practice - October 2013</i> This may or may not be an excavation. At least one works area must be created per plan.
2 - Works	Further details about the works themselves.
3 - Vehicles	Information about the vehicle counts on the carriageway and bus and cycle questions.
4 - Pedestrians	This final step asks about pedestrian count and questions regarding whether a pedestrian diversion will be necessary.

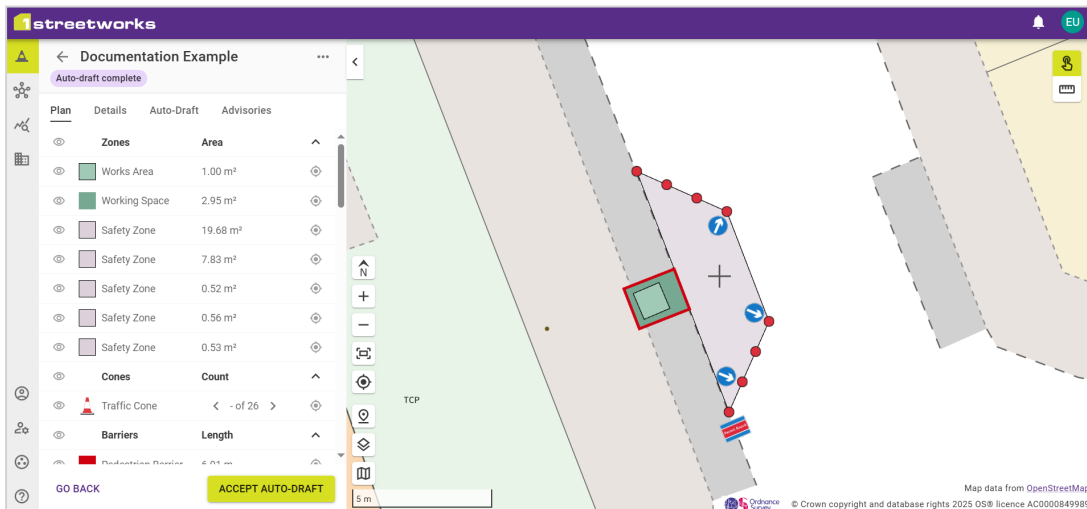
3 Quickstart

6. Start by creating the Works Area(s) on the map by clicking the **Add Works Area** button  and marking out the relevant area(s).

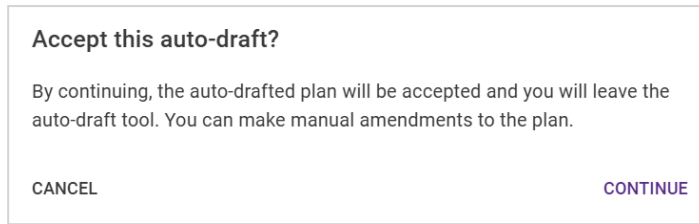


7. Make any adjustments using the tools to rotate, scale, and move the Works Area(s) and click **Next** when finished.
8. Answer the questions in steps 2-4 and **Save** the configuration.
9. Click **Generate Auto-draft** to begin generating the plan.

Once the generation is complete you can see the features generated by the Auto-draft process on the map.




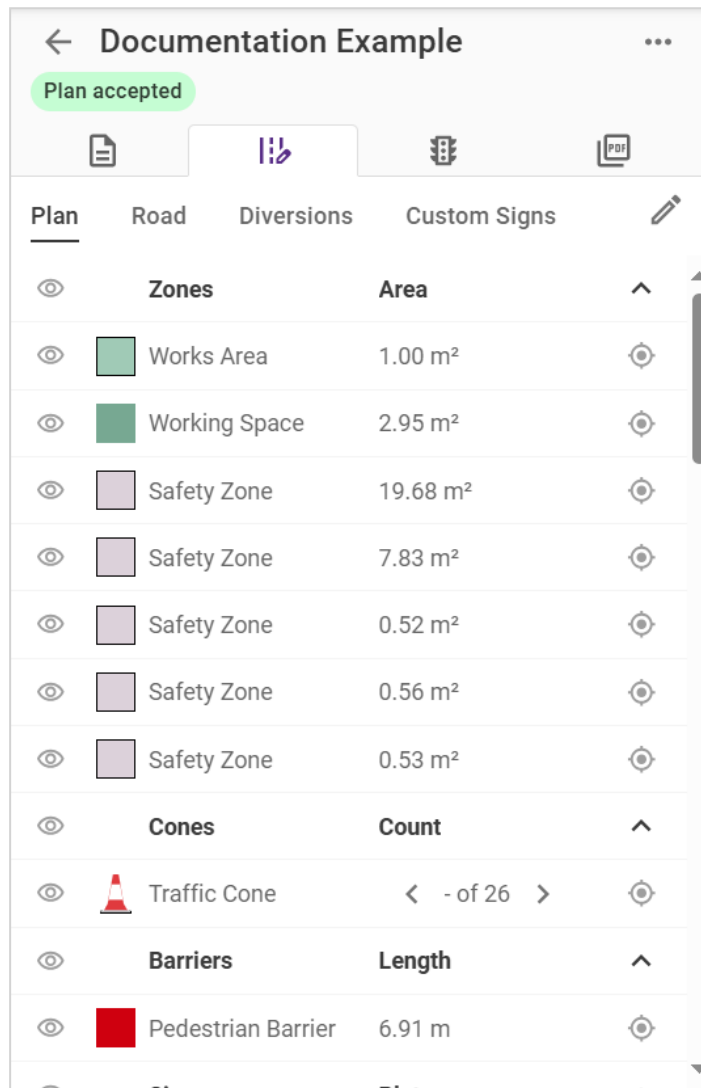
10. If you are happy with the Auto-draft, click **Accept** and then confirm after checking the box to agree to the terms and cost of the plan. This allows PDFs to be generated or further changes to be added/made by Editing Plans.





Once accepted, the status changes to **Auto-draft complete** and you can review the plan details in the panel's Details, Plan, Signals, Road, Diversions, Signs, PDF, History, Information and Advisories tabs.


Editing a Plan

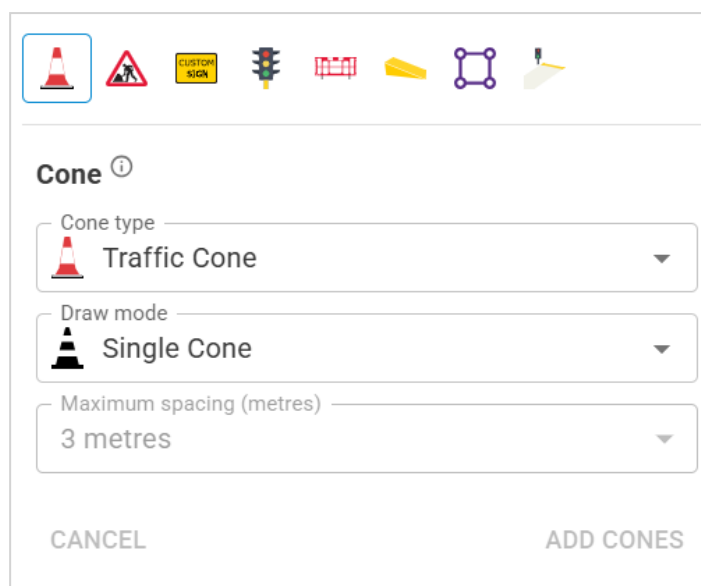
1. Open a plan on the **View Plan** tab  by clicking a plan summary from the Plans panel or selecting it on the map.
2. Accepted Drafts and Manually created plans can be adjusted by editing them from the **Plan** section of the Plan Design tab.



3. Click the **Edit** button  and the confirmation dialog appears.

 **Note:** By confirming to edit the plan, you agree to 1Streetworks being unable to undertake any subsequent automated compliance checks for any edits you make.

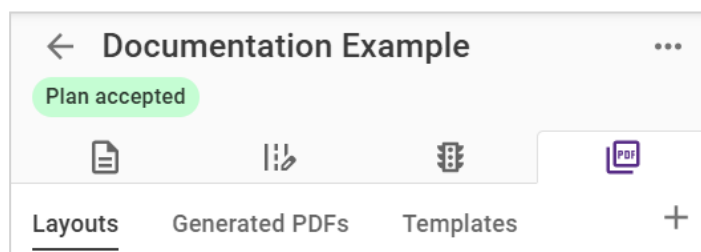
New features added with the **Add Feature** button  and existing features selected on the map can have their properties edited in the feature palette.



4. Once you're happy with any edits that were made, click **Save Changes** and add a comment to describe what was changed.


Generating PDFs


PDFs can be generated and customised in the PDF section of an accepted Plan.





Layout allows you to customise PDF layouts, adding pages to the PDF with Widgets that contain information from the Plan.

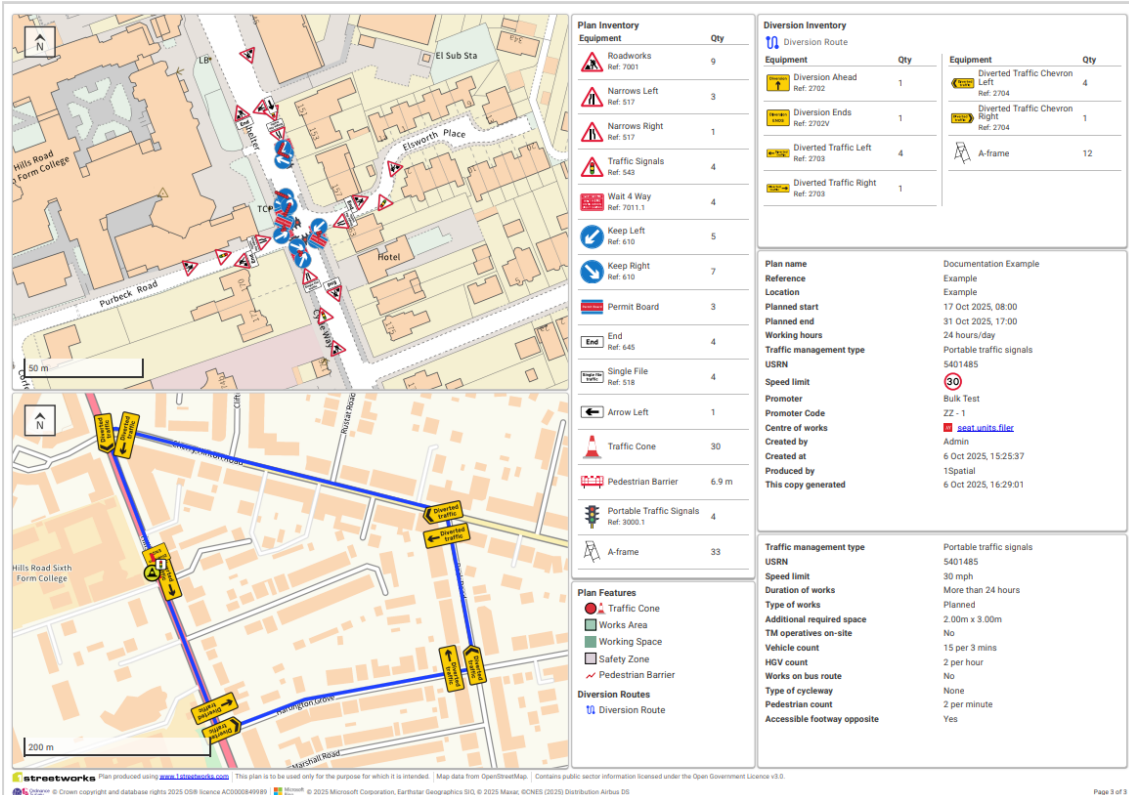
Click the **Add** button **+** to create a new Layout. Layouts can select a template, which includes Default and Blank options, as well as any Templates that have been saved within your organisation.

Hovering over a Layout gives the option to edit the Layout by clicking the **Edit** icon , which opens the Layout for PDF Customisation.

Clicking the **Options** icon  gives options for generating PDFs and Draft PDFs with the selected Layout, saving the Layout as a Template, and renaming and deleting the selected Layout.

3 Quickstart

Generated PDFs can be downloaded with the **Download** button  . PDFs cannot be deleted but can be filtered using the **Filter** button  .



The screenshot displays a traffic management planning interface. It features a map on the left showing a street layout with various equipment and diversion routes overlaid. The map includes labels for 'Hills Road', 'Purbeck Road', 'El Sub Sta', 'Hotel', and 'Marshalls Road'. A scale bar indicates 50m and 200m.

Plan Inventory

Equipment	Qty
Roadworks Ref: 7021	9
Narrows Left Ref: 517	3
Narrows Right Ref: 517	1
Traffic Signals Ref: 543	4
Wait 4 Way Ref: 7011.1	4
Keep Left Ref: 610	5
Keep Right Ref: 610	7
Permit Board	3
End Ref: 645	4
Single File Ref: 518	4
Arrow Left	1
Traffic Cone	30
Pedestrian Barrier	6.9 m
Portable Traffic Signals Ref: 3000.1	4
A-frame	33

Plan Features

- Traffic Cone
- Works Area
- Working Space
- Safety Zone
- Pedestrian Barrier

Diversion Routes

- Diversion Route

Diversion Inventory

Equipment	Qty	Equipment	Qty
Diversion Ahead Ref: 2702	1	Diverted Traffic Chevron Left Ref: 2704	4
Diversion Ends Ref: 2702V	1	Diverted Traffic Chevron Right Ref: 2704	1
Diverted Traffic Left Ref: 2703	4	A-frame	12
Diverted Traffic Right Ref: 2703	1		

Plan Details

Plan name	Documentation Example
Reference	Example
Location	Example
Planned start	17 Oct 2025, 08:00
Planned end	31 Oct 2025, 17:00
Working hours	24 hours/day
Traffic management type	Portable traffic signals
USRN	5401485
Speed limit	30
Promoter	Bulk Test
Promoter Code	ZZ - 1
Centre of works	saat.units.files
Created by	Admin
Created at	6 Oct 2025, 15:25:37
Produced by	ISpatial
This copy generated	6 Oct 2025, 16:29:01


Plan Details (continued)

Traffic management type	Portable traffic signals
USRN	5401485
Speed limit	30 mph
Duration of works	More than 24 hours
Type of works	Planned
Additional required space	2.00m x 3.00m
TM operatives on-site	No
Vehicle count	15 per 3 mins
HGV count	2 per hour
Works on bus route	No
Type of cycleway	None
Pedestrian count	2 per minute
Accessible footway opposite	Yes

Page 1 of 3

An example of a generated PDF page.

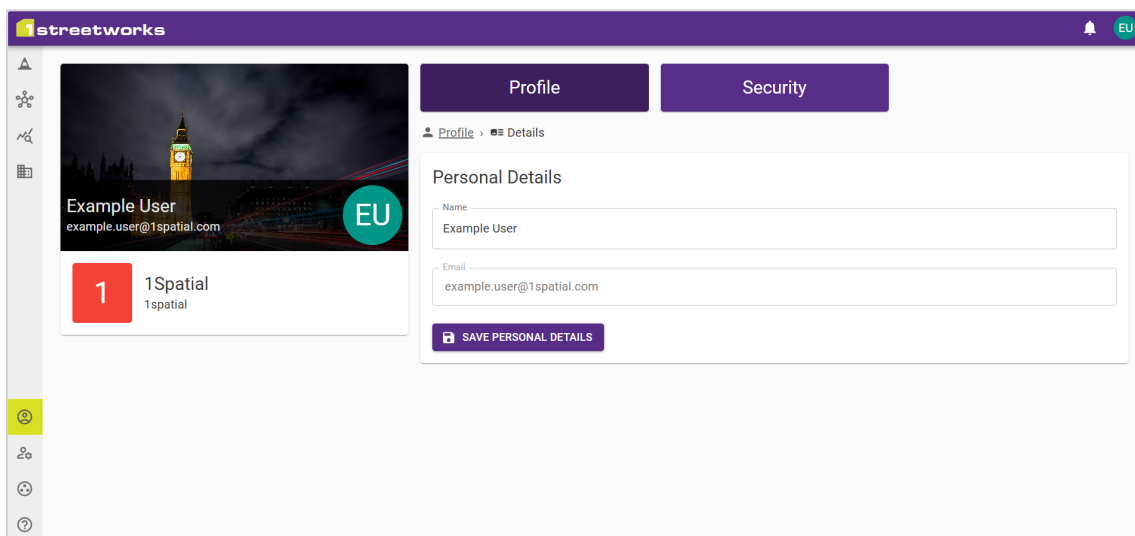
4 Account Management

You can manage your user profile and account security by selecting the **Manage Account** tab  from the bottom of the 1Streetworks side menu.

Manage your user profile

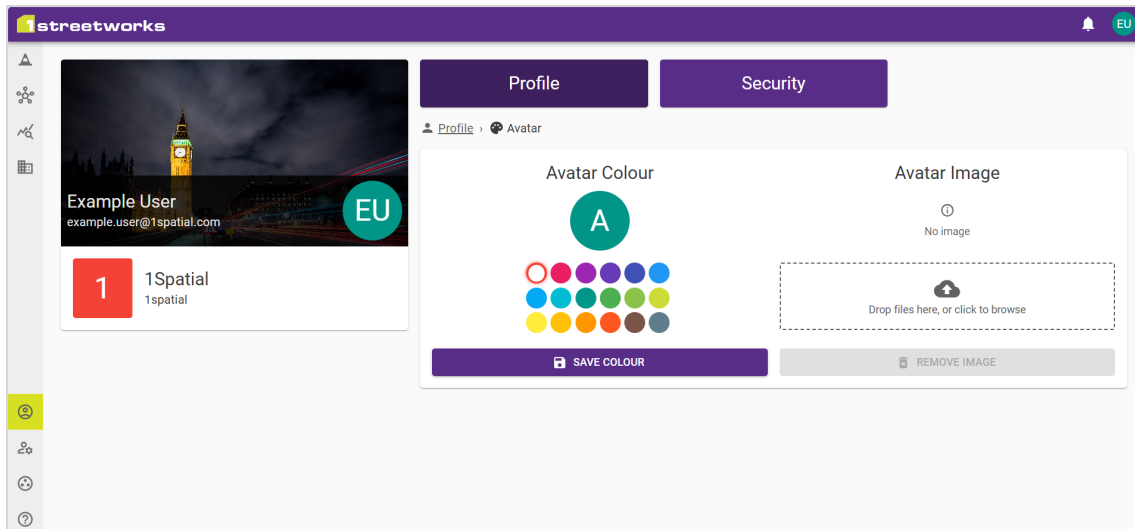
Your user profile is where you update your personal details. This allows you to change your name and view the associated email address.

Your email address cannot be changed by you, unless you have administrative privileges.



You can also manage your Avatar, which appears in the top right of 1Streetworks. By default, the Avatar is your initials (first name and last name) from the Name field in your Personal Details, with a random background colour. You can choose an alternative image by uploading an image file into the upload box.

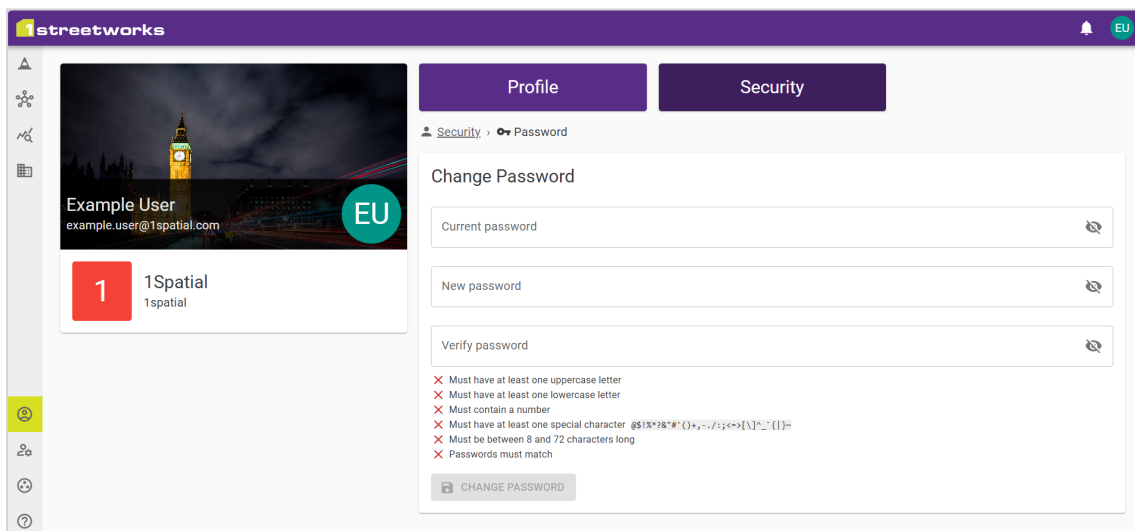
4 Account Management



Manage your account security

You can manage your password in the Security tab.

You require your current password to update it to a new password. For resetting your password, please contact an administrator.



5 Raising Support Tickets

This quick guide provides an overview of our support service and to help you understand how to get the most benefit from it.

Contacting Support

Email us

You can email new support requests to support@1streetworks.com

Emails to this address are handled as follows:

- A new support case is created and assigned to a member of the Customer Success team.
- You will receive an automatic email notification confirming the cases details, case number and a unique tracking reference. Including this tracking reference in all subsequent emails will ensure the details are automatically logged to the case.

Entering Case Details

When logging a support case please supply as much information as possible, including:

- Your preferred contact details.
- The web address (“URL”) by which you are accessing 1Streetworks.
- The browser you are using, including version.
- Any error messages, screenshots, PDF outputs, and, where applicable, the web address (“URL”) of a plan.
- Confirmation of the steps performed leading up to the problem, whether or not the problem is repeatable, and if the problem occurs on a single or multiple devices and/or browsers.
- To help us to assign a priority, please provide details of the operational impact.

Case priority

Setting an appropriate case priority ensures 1Spatial Support Engineers and Managers understand the severity of the case to you and your business.

Priority	Description
P1 – Critical	The reported error has caused major services to become unavailable, resulting in loss of data, or stopping production.
P2 – High	The reported error results from software failure causing partial loss of major services but there is no loss or corruption of data.
P3 – Medium	The reported error results from apparent failure of certain functions within the software but is not causing an immediate problem to the customer.
P4 – Low	Standard operational assistance is required, or unexpected behaviour has been observed during use of the software.

Case Status

Status indicates the progress of the case.

Status	Description
New	The case status will be set to New until a Support Engineer has been assigned to the case.
Acknowledged	The case status will be set to Acknowledged once a Support Engineer has been assigned to the case.
Open	The case status will be set to Open once a Support Engineer has begun reviewing/investigating the reported issue.
Awaiting Customer	The case status is set to Awaiting Customer if additional information is requested to assist diagnosis of the issue, and when the Support Engineer is awaiting acceptance of an offered solution.
With Development	Where an issue has been determined to be a defect or software improvement request, a record will be opened in our internal issue tracking system.
Closed	A case is set to Closed either when the Support Engineer has provided the customer with an acceptable resolution.

Case Reason

To help define the problem, a case reason should be assigned based on the type of issue you are experiencing.

Reason	Description
Software Query	General software support queries.
Performance Issue	Issues relating to software performance.
Defect	Where an issue has been determined to be a defect, a record will

5 Raising Support Tickets

Reason	Description
	be opened in our internal issue tracking system.
Improvement	Where an issue has been raised and it is confirmed that the software is working as designed, at the customer's request we can open an improvement in our internal issue tracking system.
Documentation	Standard documentation queries.
License Request	Software licence requests or to request a new user be allowed access to 1Streetworks.
Shipment Request	Software shipment requests. This is not directly relevant to 1Streetworks because it is accessed as a service via the Internet.