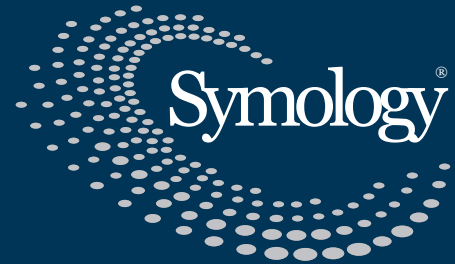




**Street Works
Notice Management Solutions**

Street Works Notice Management for Traffic Managers



Summary

Insight Street Works Register provides comprehensive functionality for the coordination of all activities which could potentially cause disruption on the highway, including Utility and Highway Authority Works, Highways Act licences, other obstructions on the highway, and special events, such as sports fixtures, carnivals and parades.

Both Street Works Notices and Permits are handled in a single database, as are all historical versions of the EToN Specifications.

Insight Street Works Register has powerful coordination facilities built in to provide the Traffic Manager with full control of all works, submitted as either Works Notices or Permit Applications. As an Activity is recorded, whether by an incoming EToN notice, the Council's own Works Department, a Highways Act licence application, or a special event, the Traffic Manager is immediately able to review potential conflicts, using the embedded GIS facilities

Potential conflicts are shown where works with overlapping dates occur in the same street, within the vicinity of other works, diversion routes and in user-defined Pinch Points.

Highly specialised map-based facilities are invaluable for obtaining an instant view of works. Insight provides simple-to-use functions that provide automatic coordination facilities to highlight potential disruption effects. Integrated with the corporate GIS system, Street Works information is instantly available to all.

Statistical analyses of performance, over specific time periods, are available as required. However, the unique benefit of Insight is the wide range of flexible, in-built enquiries, providing instantaneous exception reporting. The enquiries are user-configurable, without technical assistance, with immediate on-screen or printed output.

Sophisticated reporting tools are provided, which provide all the exception reports required to monitor the progress of Street Works Notices and Fixed Penalties. The results of these enquiries can be exported in CSV and XML format as well as directly exported to Microsoft Excel or Word

Insight accommodates all the various mechanisms that are used to provide the incentive for speedy and efficient completion of works, such as street occupancy rental, overstay charging, and remedial works or inspection failure penalties. All these options are provided, in addition to charging policies for notices/permit applications and statutory inspections. An integrated charging function, with manual adjustment facilities, enables street authorities to produce accurate, substantiated invoices, and helps works promoters monitor and minimise costs.

Web publication facilities, with optional map-based access, using a corporate map-base or a free-to-access public mapping system, can be used to provide a public information service on the council's own Web Site, without the need to copy or re-format any data.

Key Features

The UK's most comprehensive and widely used Street Works system.

Full processing of all Works records, Notices, Inspections, Comments, FPN's, Permits.

Full TMA/Code of Practice Compliance.

Guaranteed compliance with future changes in legislation

National Street Gazetteer maintenance, including full ASD, and single click export to NSG.

EToN 5 electronic noticing using both FTP and Web Services (XML/SOAP).

Option to utilise sophisticated embedded mapping facilities for coordination and Web Publication.

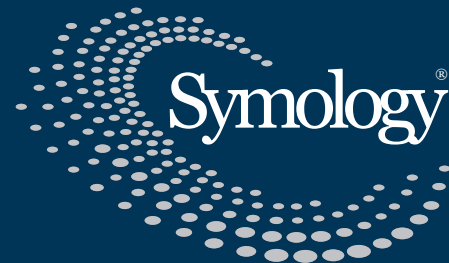
Automatic conflict and pinch-point detection, plus co-ordination with substantial road works.

Extensive Reporting facilities, including national KPIs.

Built-in reports, user defined layouts.

Comprehensive support & training.

Street Works Notice Management for Works Promoters



Summary

Insight Street Works Register provides comprehensive functionality for both Utility and Highway Authority Works Promoters.

Works may be initiated and progressed through the appropriate life cycle, which accommodates the functions of permission and co-ordination.

Street Works Notices and Permits are handled in a single database, as are all old works recorded using previous versions of EToN.

At each stage of the life-cycle, from initial notification or permit application, through to reinstatement and completion, an electronic notification system enables the works promoter to distribute the required information.

Depending on the location of the works, the appropriate noticing/permit rules and charges, are selected, and used for automatic prompting to ensure compliance with regulations.

Local Authority Works promoters can access the same system as their Traffic Manager, removing the need for electronic transfers and providing instant coordination with all other Works, assisting the Traffic Manager in the coordination of works and minimising congestion.

Instances where incorrect data is entered are highlighted immediately, offering the opportunity to correct the record before a notice is transmitted and avoid penalties.

Simple to use embedded mapping facilities enable the user to plot the location of intended and actual works locations. Once plotted, the coordinates are transmitted via EToN.

The embedded mapping system can also be used to display Street Gazetteers, Associated Street Data, Section 58 notices received, Areas of Interest and Underground Apparatus.

A unique due date system is used to establish deadlines for completion of activities, and provides easy, effective monitoring of works to reduce the likelihood of overstay and fixed penalty charges.

Potential Fixed Penalty charge offences are logged immediately, with the ability to compare potential charges with actual charges.

A comprehensive set of in-built reports are provided covering all the exception reports required to monitor the progress of Street Works Notices, Permits, Inspection Results and Fixed Penalties. The results of these enquiries can be exported in CSV and XML format as well as directly exported to Microsoft Excel or Word

The embedded Crystal Reports facility provides an additional level of powerful reporting facilities with user defined layouts, sorting, summarising and graph production. The results of these reports can be output in PDF format and e-mailed to any address.

Key Features

The UK's most comprehensive and widely used Street Works system.

Full TMA/Code of Practice Compliance.

Guaranteed compliance with future changes in legislation

Ability to process Works Records for an unlimited number of Authority areas.

One-click import of National Street Gazetteer records.

EToN 5 electronic noticing/permitting using both FTP and Web Services (XML/SOAP).

Option to utilise sophisticated embedded mapping facilities for recording coordinates.

Extensive Reporting facilities, including national Key Performance Indicators.

Built-in reports, user defined layouts.

Full processing of all Works records, Notices, Inspections, Comments, FPN's, Permits.

Unattributable Works processed with the ability to accept or reject the record.

Comprehensive support & training.

Interfacing with Works Management Systems

The Street Works module of Insight can be intimately integrated with the Insight Works Management modules. See our Works Management module leaflet for further details.

If an external Works Management system is preferred or already used, a ready built Street Works Interface is available, which can be operated in either batch or real-time mode using web services.

This interface allows external Works Management systems to focus on recording planned and actual work events, and to defer all NRSWA/TMA noticing/permitting functions to Insight. The transactions within the interface enable look-up of the Street Gazetteer held within Insight and allow Street Works notices and permits to be raised and subsequently transmitted out via Insight.

Insight can also be configured for a variety of responses to any incident of the above conditions, for example:

- Missing fields required for electronic noticing
- Data that breaches the applicable Code of Practice (e.g. stated Start Date gives insufficient notice period for calculated Notice Type)
- Inconsistency in supplied data (e.g. minor works requested for a works of 20 days duration)
- Invalid data (e.g. 30/02/11 supplied as a date field)

Insight can also be configured for a variety of responses to any incident of the above conditions, for example:

- PROCESS AND LOG – continue processing but log the condition
- REJECT AND LOG – reject the transaction and log the condition, returning an error
- HOLD AND LOG – continue processing but “hold” the transaction in Insight for later manual action
- SUPPRESS – ignore the condition and continue processing
- REJECT AND SUPPRESS – reject the transaction silently
- ASK – prompt the user for what action to take
- AMEND – ask the user to amend the data

Responses can also be flagged back to users as “Potential FPN” conditions.

This interface has successfully been deployed (in both batch and real-time mode) by a number of Symology’s existing customers. To date it has been used to interface with SAP, Maximo and AMT-Sybex Works Management systems, as well as a number of smaller in-house developed systems.

Importantly the interface is not Works Management system specific and can be utilised by any Works Management system - though of course it can only be deployed in real-time mode if the third-party system supports XML/SOAP web services.

In addition to providing the interface software and documentation, Symology is able to provide the specialised technical consultancy required to implement this solution.

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