Scottish Road Works Register (SRWR) Disruptions Data Extract v1.1

Document History

Version	Date	Summary of Changes	Name
1.0	30/06/2026	Release Version	Mike Bartlett
1.1	17/08/2026	Added note to clarify that CurrentActivities CSV file is not designed for Excel compatibility.	Mike Bartlett

Introduction

The SRWR holds details of all Planned, In Progress and Completed Road Works in Scotland. These are also published on a map-based web page here:
https://www.roadworksscotland.org/

That website is a useful reference as to what data is available within the SRWR and how it should be presented to members of the public – see Appendix 1.

The SRWR also includes details of

- **Events** e.g. Road closures for events such as marathons, football matches, carnivals, street parties etc.
- **Permissions** – to place skips, scaffolds etc. on the highway and occupy road space.
- **Potential Works** - indications of future works locations, but dates are often very speculative and just set to financial years.

Events **are** published on the public website.
Permissions and Potential works are **not** published on the public website.

The **Disruptions Extract** is a daily extract of data from within the SRWR of activities which could have a disruptive effect on the road network. The disruptions extract includes Road Works, Events, Permissions, but not Potential Works.

This data is available as Open Data and available under the Open Government Licence v3, which can be found at:
http://www.nationalarchives.gov.uk/doc/open-government-licence/version/3

Three extracts are produced on a daily basis:

Extract	Contents
CurrentActivities	A snapshot of all the road works and activities that are planned and in progress over the next 6 months.
CompletedActivities	A list of all works and activities that were cleared, closed or cancelled on the previous day.
PotentialBusConflicts	A list of all the new conflicts generated on the previous day from the SRWR where updates to works and activities could have an impact on bus services according to rules defined with the SRWR.

File Export

SRWR Open Data is available at the following location:
https://downloads.srwr.scot/export/

A “Disruptions Export” panel will be available on this screen to navigate to the disruptions data.

Alternatively the data can be accessed directly via the following URL:
https://downloads.srwr.scot/disruptions-export/

Data will be exported with the following file names:

- CurrentActivities.csv
- CompletedActivities.csv
- PotentialBusConflicts.csv

These three files will be zipped up into a single export file named as follows:

- SRWRDisruptionsExportYYYYMMDD.zip

Files will be produced daily and the zip files for the last 7 days will be retained on a rolling basis.

Files will be produced around 2am every day. For the CompletedActivities and PotentialBusConflicts extracts, the data will be produced for the previous day only.

In addition to the above there will be a separate URL which when accessed will automatically download the latest export zip. This makes it easier for third parties to automate downloading of the data.
https://downloads.srwr.scot/export/disruptions-daily/

Note: The CurrentActivities CSV file is intended for use by other systems, such as programming tools (e.g. Python), GIS applications (e.g. ESRI or QGIS), or reporting databases. It is **not compatible** with Microsoft Excel because Excel limits the number of characters allowed in a cell. The large volume of data in the GeometryFull column may therefore spill across multiple lines and make the file appear corrupted. If a manual visual check of the data is required then open the file with a Text Editor application like Notepad++.

Data Types

The extracts output data using the following data types. Note some fields are nullable and will be output as NULL in the extract.

Boolean

Fields of this type will have a value of True or False.

Date Time

Date Time fields are output as UTC datims in YYYY-MM-DD hh:mm:ss.SSSZ format. Some fields may not include the precision to milliseconds and will be output as YYYY-MM-DD hh:mm:ssZ

Geometry

Geometry fields are output as British National Grid References (EPSG: 27700) in "Well Known Text" (WKT) format surrounded by double-quotation marks.

Integer

For Integer fields, the number of digits is given in brackets. For example, the maximum value for an Integer(4) field is 9999. Thousand separators are not used.

Number

For Number fields, the number of digits, before and after the decimal point, is given in brackets. For example, the maximum value for a Number(6,2) field is 999999.99. Thousand separators are not used. Negative numbers are output with a minus sign before the number.

String

For String fields, the maximum allowed number of characters is given in brackets. String fields are surrounded by double-quotation marks.

Long String

For Long String fields, the maximum allowed number of characters is given in brackets. Long String fields which can legitimately contain commas are surrounded by double-quotation marks.

Current Activities Export Format

Field Name	Type	Details
Version	String(2)	The version of the Extract specification that this record is using. For this draft specification it will be set to “00”.
LocalReference	Integer(8)	A unique internal reference for the works.
ActivityReference	String(26)	The unique reference for the works that is used within the Road Works Community.
PhaseNumber	Integer(3)	The Phase number for the works.
Category	String(50)	The category of the works e.g. Emergency, Urgent, Minor with Excavation, Minor Without Excavation, Remedial Dangerous, Standard, Major, Event, Road Restriction, Temporary Traffic Restriction etc.
LicenceType	String(100)	For non-works activities like Permissions this will provide a further sub-categorisation of the activity.
IsExcavationRequired	Boolean	Set to True if an excavation is required for the works.
IsPhaseTrafficSensitive	Boolean	Set to True if all or part of the street is traffic sensitive, and the works is taking place during those traffic sensitive locations and times.
TrafficManagement	String(50)	The Traffic Management associated with the works.
TrafficImpact	String(50)	The derived Traffic Impact for the works e.g. High/Medium/Low
ActivityStatus	String(50)	The status of the works e.g. Advance Planning, Planned, In Progress, Completed.
ActivityRecordedDateTimeUTC	Date Time	The date and time that the activity was first recorded into the SRWR.
StartDateTimeUTC	Date Time	The Planned Start Date/Time of the works.
EndDateTimeUTC	Date Time	The Planned End Date/Time of the works.
EarliestStartDateTimeUTC	Date Time	The earliest the works can start, based on the current submitted notice.
LatestPossibleEndDateTimeUTC	Date Time	The latest the works can end, based on the current submitted notice.
ActualStartDateTimeUTC	Date Time	The Actual Start date of the works.

LastUpdatedDateTimeUTC	Date Time	The Date/Time of the latest notice received which updated this works.
PhaseDuration	Integer(4)	The duration of the works in working days based on the planned start/end date/time.
RoadAuthorityName	String(500)	The name of the Road Authority responsible for co-ordinating the works.
WorksPromoterName	String(500)	The name of the Works Promoter of the works.
RoadAuthorityNumber	Integer(6)	Unique Number for the Road Authority
WorksPromoterNumber	Integer(6)	Unique Number for the Works Promoter
Location	Long String(500)	Free text for the location of the works
Description	Long String(4000)	Free text description of the works.
OnABusRoute	Boolean	Set to True if the works is within 10 metres of a bus route centreline.
PotentialBusServicesAffected	Long String(4000)	A comma separated list of Bus Services that are potentially affected by this works.
PotentialBusServicesAffectedCount	Integer(6)	A count of the number of Bus Services that are potentially affected by this works.
PotentialBusDeparturesAffectedCount	Integer(6)	A count of the number of the daily bus departures on a weekday accumulated across all Potential Bus Services Affected.
UniqueStreetReferenceNumber	Integer(8)	The USRN the works is situated on.
Street	String(500)	The name of the street the works is situated on.
Locality	String(35)	The name of the street the works is situated on.
Town	String(30)	The name of the street the works is situated on.
County	String(30)	The name of the street the works is situated on.
Easting	Number(7.9)	The plotted location of the works.
Northing	Number(7.9)	The plotted location of the works.
Latitude	Number(2.5)	The plotted location of the works.
Longitude	Number(2.5)	The plotted location of the works.
GeometryCentroid	Geometry	A calculated centrepoint from the plotted location of the works.
GeometryFull	Geometry	The full spatial geometry of the plotted location of the works, point, line or polygon.

This extract is limited to Current Activities enquiry whose start and end dates **overlap** the following range:

- Today – 7days
- Today + 6 months

The extract CSV contents should match the data within the SRWR Current Activities enquiry – see Appendix 2.

Completed Activities Export Format

Field Name	Type	Details
Version	String(2)	The version of the Extract specification that this record is using. For this draft specification it will be set to "00".
LocalReference	Integer(8)	A unique internal reference for the works.
ActivityReference	String(26)	The unique reference for the works that is used within the Road Works Community.
PhaseNumber	Integer(3)	The Phase number for the works.
NoticeTypeName	String(50)	The name of the Notice Type.
NoticeIssuedDateTimeUTC	Date Time	The date and time that the notice was issued on the SRWR.
ActualEndDateTimeUTC	Date Time	For Works Cleared/Closed notices only the actual end date and time of the works recorded on the SRWR.

This extract is limited to the following notice types which were issued on the previous day:

- Works Cleared
- Works Closed
- Cancellation

Potential Bus Conflicts Export Format

Field Name	Type	Details
Version	String(2)	The version of the Extract specification that this record is using. For this draft specification it will be set to "00".
LocalReference	Integer(8)	A unique internal reference for the works.
ActivityReference	String(26)	The unique reference for the works that is used within the Road Works Community.

PhaseNumber	Integer(3)	The Phase number for the works.
DateTimeRaisedUTC	Date Time	The Date and Time that the conflict was generated.
MessageNumber	String(5)	The code for the type of conflict that was generated.
MessageText	String(500)	The description for the conflict that was generated.

This extract is limited to the following message numbers which were triggered on the previous day:

- S0707 - Potential conflicts with {TotalBusServices} bus services and {TotalDailyDepartures} daily departures
- S0708 - Potential conflict with works on same bus route within bus route proximity
- S0709 - Potential conflict with multiple works on same bus route

Appendix 1 - RoadWorksScotland

Works Timing

Due to the complexities of Noticing Regulations in Scotland the start and end date for an activity don't necessarily mean that the activity will start on the start date and end on the end date. To cater for the complexities of the regulations and the uncertainties that this causes, the roadworkscotland.org website tailors the timing information displayed depending upon the status of the works as follows:

Status	Fields displayed			
	Expected Start Between	Actual Start Date	Duration	Actual End Date
Planned/Proposed	[StartDateTimeUTC] & [EndDateTimeUTC]	N/A	[PhaseDuration]	N/A
In Progress	N/A	[ActualStartDateTimeUTC]	[PhaseDuration]	N/A
Completed	N/A	[ActualStartDateTimeUTC]	N/A	[ActualEndDateTimeUTC]

Any users of this Disruptions data should bear this in mind when interpreting and presenting data.

Works Categories

When comparing the disruptions extract with the roadworkscotland.org website it should be noted that it tailors the output to members of the public and therefore does not include all data within the output. In particular it:

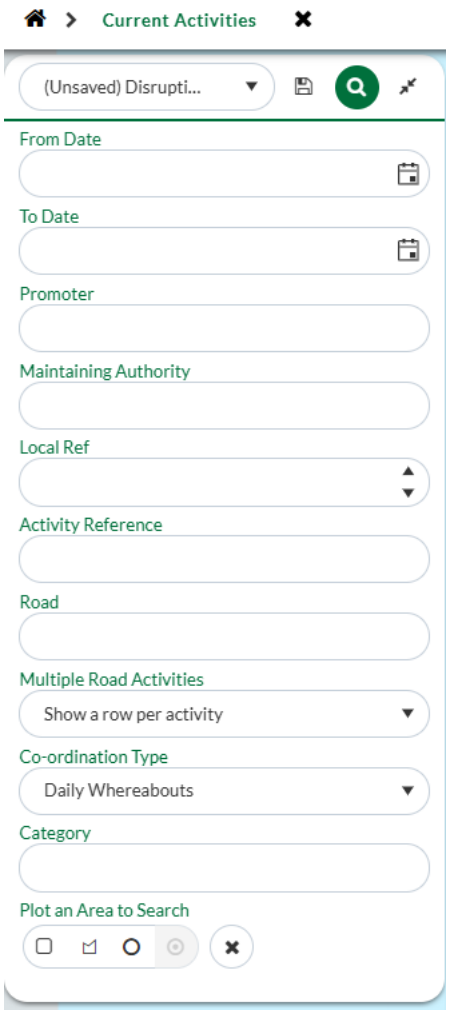
- Excludes all Potential/Forward Planning works

- Excludes
  - Plant Information Requests
  - Works Licences
  - Temporary Traffic Restrictions
- Includes the following categories,
  - Major
  - Standard
  - Minor With Excavation
  - Minor Without Excavation
  - Urgent
  - Special Urgent
  - Emergency
  - Remedial Dangerous
  - Remedial Other
  - Road Restriction
  - Works for Road Purposes
  - Minor Mobile & Short Duration
  - Diversionary Works
- Includes the following categories, but only for a traffic impact of Road Closure
  - Permission
  - Event

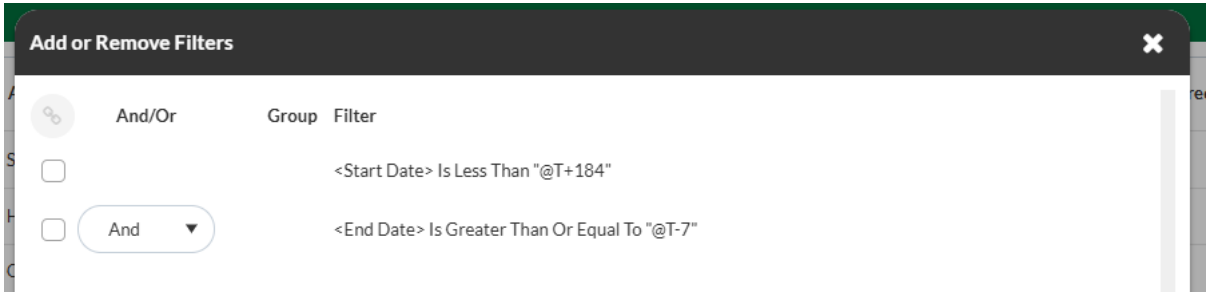
Appendix 2 – SRWR Current Activities Enquiry

The Current Activities extract CSV contents should match the data within the SRWR Current Activities enquiry as long as the following parameters are used.

Set Co-ordination Type to Daily Whereabouts.



Set Filters as below.


Add or Remove Filters
And/Or
Group
Filter
<Start Date> Is Less Than "@T+184"
And
<End Date> Is Greater Than Or Equal To "@T-7"