

Elgin offers a range of data and API services to support customers who need to integrate roadworks, road closures and other traffic disruption data into their applications, or to produce business analytics reports.

Elgin aggregates data across the strategic and local road networks for the whole of Great Britain, bringing together data from over 200 public authorities and a similar number of utility companies and public events organisers.

Elgin’s aggregated dataset is unique, incorporating a national archive of historic roadworks, currently active disruptions including roadworks, incidents and public events, though to planned disruption information giving advanced notice of roadworks up to 3 months in the future.



### Use Cases

Elgin Data Services are supporting a wide range of applications including:

- Traffic control centre operations
- Sat-nav services
- Consumer journey planning and mapping apps
- Streetworks planning and coordination
- Collaboration between utilities to deliver permit fee reductions
- Supply chain logistics
- Retail planning

### Data Services

Elgin offers two types of data service:

|                                 |  |
|---------------------------------|--|
| <b>Data Feed API</b>            | Elgin’s <b>Roadworks and Traffic Disruptions API</b> provides access to current and planned roadworks, incidents, major public events and temporary traffic management such as road closures, diversion routes, lane closures, etc. The data is available as a SOAP API conforming to the DATEX-II standard. |
| <b>Customised Data Services</b> | A range of services can be provided tailored to customer needs. Elgin can provide batch downloads of historic roadworks data for analysis through to automated feeds of specific disruption data provided in the customer’s preferred format.  |

### Data Content

The categories of data available are: live incidents, roadworks and temporary traffic management interventions such as road closures and diversion routes. More details on the data content is provided below. A full specification for the data schema and for the DATEX-II API can be provided on request.

### Live Incidents

|                    |   |
|--------------------|---|
| <b>Description</b> | <p>Near-real-time information about major traffic disruptions on the strategic road network</p> <p>Source: Enterprise ITS systems</p> <p>Source latency: ± 5 mins (average)</p> <p>Refresh frequency in feed: 4 minutes</p> <p>Location accuracy: ± 20 m (average)</p> <p>Geography: Origin/destination (road segments)</p> |
| <b>Coverage</b>    | <p>Strategic roads (motorways and trunk routes): England, Wales, Scotland, London</p> <p>Local roads: Limited number of real-time road closures</p>   |



### Roadworks

|                    |  |
|--------------------|--|
| <b>Description</b> | <p>Information about all current and planned roadworks on all roads</p> <p>Source: Highway Authority streetworks systems</p> <p>Source latency: ± 24 hours (average)</p> <p>Refresh frequency in feed: Daily</p> <p>Location accuracy: ± 20 m (average)</p> <p>Geography: Mainly Points, some Origin/destination</p> |
| <b>Coverage</b>    | <p>Strategic roads (motorways and trunk routes): England, Wales, Scotland, London</p> <p>Local roads: 169 of 175 Local Authorities in England and Wales</p>  |



### Traffic Management Interventions

|                    |   |
|--------------------|---|
| <b>Description</b> | <p>Information about traffic management interventions such as road closures, diversion routes, contraflows, etc.</p> <p>Source: Highway Authorities using Elgin’s TM App</p> <p>Source latency: Real-time through to ± 24 hours</p> <p>Refresh frequency in feed: 4 minutes</p> <p>Location accuracy: ± 20 m (average)</p> <p>Geography: Mainly Points, some Origin/destination</p> |
| <b>Coverage</b>    | <p>Strategic roads (motorways and trunk routes): Wales, London</p> <p>Local roads: Local Authorities in England (incomplete coverage but growing)</p>   |

