

## Roadworks and Incidents Metadata

### Attribute specifications

ROADWORKS_AND_INCIDENTS_ID ( type: esriFieldTypeOID , alias: ROADWORKS_AND_INCIDENTS_ID )	Unique ID for Traffic SA
REC_TYPE ( type: esriFieldTypeString , alias: REC_TYPE , length: 30 )	Incident/Roadworks Type: Roadworks, 24hr Roadworks, Signal fault, emergency waterworks, flooding, fire, collision, road closure
INCIDENT_ID ( type: esriFieldTypeInteger , alias: INCIDENT_ID )	Internal ABMIS ID, not used by Traffic SA
DESCRIPTION ( type: esriFieldTypeString , alias: DESCRIPTION , length: 1000 )	Customised text description of roadworks/incident
START_DATE ( type: esriFieldTypeDate , alias: START_DATE , length: 36 )	Start Date of roadworks/incident
END_DATE ( type: esriFieldTypeDate , alias: END_DATE , length: 36 )	End Date of roadworks (estimated if a future date). Incidents typically don't have an end date
ROAD_NO ( type: esriFieldTypeString , alias: ROAD_NO , length: 5 )	DPTI road number ID associated with roadwork/incident
LOCAL_ROAD ( type: esriFieldTypeString , alias: LOCAL_ROAD , length: 100 )	Road name associated with roadwork/incident
SIDE_STREET ( type: esriFieldTypeString , alias: SIDE_STREET , length: 100 )	Nearest side street to roadwork/incident
SUBURB ( type: esriFieldTypeString , alias: SUBURB , length: 4000 )	Suburb of roadwork/incident
LATITUDE ( type: esriFieldTypeDouble , alias: LATITUDE )	Latitude of roadwork/incident
LONGITUDE ( type: esriFieldTypeDouble , alias: LONGITUDE )	Longitude of roadwork/incident
GIS_LINK_ID ( type: esriFieldTypeInteger , alias: GIS_LINK_ID )	Internal Geometry ID, not used by Traffic SA
ACTIVE ( type: esriFieldTypeString , alias: ACTIVE , length: 1 )	Flags if the roadwork/incident is currently active. This dataset only shows active roadworks/incidents.
SHAPE ( type: esriFieldTypeGeometry , alias: SHAPE )	ESRI shape geometry (point)
START_DATE_STRING ( type: esriFieldTypeString , alias: START_DATE_STRING , length: 24 )	Long text date description of START_DATE
END_DATE_STRING ( type: esriFieldTypeString , alias: END_DATE_STRING , length: 24 )	Long text date description of END_DATE

### Web service api – [ArcGIS Rest api](#)

This provides a comprehensive overview of how Esri provides web services and covers general principles and concepts.

### Example query using the web service

[http://maps.sa.gov.au/arcgis/rest/services/DPTIExtTransport/TrafficSAOpenData/MapServer/0/query?where=1%3D1&outFields=\\*&returnGeometry=true&f=json](http://maps.sa.gov.au/arcgis/rest/services/DPTIExtTransport/TrafficSAOpenData/MapServer/0/query?where=1%3D1&outFields=*&returnGeometry=true&f=json)

### Query parameters

Where: 1=1 – forces the service to return all data (2=2, etc are also valid. Must be a truthy expression)

outFields: \* - returns data from all columns

returnGeometry: true – forces geometry to be returned

## Example JSON retruned from server

```
{
  "displayFieldName": "REC_TYPE",
  "fieldAliases": {
    "ROADWORKS_AND_INCIDENTS_ID": "ROADWORKS_AND_INCIDENTS_ID",
    "REC_TYPE": "REC_TYPE",
    "INCIDENT_ID": "INCIDENT_ID",
    "DESCRIPTION": "DESCRIPTION",
    "START_DATE": "START_DATE",
    "END_DATE": "END_DATE",
    "ROAD_NO": "ROAD_NO",
    "LOCAL_ROAD": "LOCAL_ROAD",
    "SIDE_STREET": "SIDE_STREET",
    "SUBURB": "SUBURB",
    "LATITUDE": "LATITUDE",
    "LONGITUDE": "LONGITUDE",
    "GIS_LINK_ID": "GIS_LINK_ID",
    "ACTIVE": "ACTIVE",
    "START_DATE_STRING": "START_DATE_STRING",
    "END_DATE_STRING": "END_DATE_STRING"
  },
  "geometryType": "esriGeometryMultipoint",
  "spatialReference": {
    "wkid": 102100,
    "latestWkid": 3857
  },
  "fields": [{
    "name": "ROADWORKS_AND_INCIDENTS_ID",
    "type": "esriFieldTypeOID",
    "alias": "ROADWORKS_AND_INCIDENTS_ID"
  }, {
    "name": "REC_TYPE",
    "type": "esriFieldTypeString",
    "alias": "REC_TYPE",
    "length": 30
  }, {
    "name": "INCIDENT_ID",
    "type": "esriFieldTypeInteger",
    "alias": "INCIDENT_ID"
  }, {
    "name": "DESCRIPTION",
    "type": "esriFieldTypeString",
    "alias": "DESCRIPTION",
    "length": 1000
  }, {
    "name": "START_DATE",
    "type": "esriFieldTypeDate",
    "alias": "START_DATE",
    "length": 36
  }, {
    "name": "END_DATE",
```

```
    "type": "esriFieldTypeDate",
    "alias": "END_DATE",
    "length": 36
  }, {
    "name": "ROAD_NO",
    "type": "esriFieldTypeString",
    "alias": "ROAD_NO",
    "length": 5
  }, {
    "name": "LOCAL_ROAD",
    "type": "esriFieldTypeString",
    "alias": "LOCAL_ROAD",
    "length": 100
  }, {
    "name": "SIDE_STREET",
    "type": "esriFieldTypeString",
    "alias": "SIDE_STREET",
    "length": 100
  }, {
    "name": "SUBURB",
    "type": "esriFieldTypeString",
    "alias": "SUBURB",
    "length": 4000
  }, {
    "name": "LATITUDE",
    "type": "esriFieldTypeDouble",
    "alias": "LATITUDE"
  }, {
    "name": "LONGITUDE",
    "type": "esriFieldTypeDouble",
    "alias": "LONGITUDE"
  }, {
    "name": "GIS_LINK_ID",
    "type": "esriFieldTypeInteger",
    "alias": "GIS_LINK_ID"
  }, {
    "name": "ACTIVE",
    "type": "esriFieldTypeString",
    "alias": "ACTIVE",
    "length": 1
  }, {
    "name": "START_DATE_STRING",
    "type": "esriFieldTypeString",
    "alias": "START_DATE_STRING",
    "length": 24
  }, {
    "name": "END_DATE_STRING",
    "type": "esriFieldTypeString",
    "alias": "END_DATE_STRING",
    "length": 24
  }
}],
```

```
"features": [{
  "attributes": {
    "ROADWORKS_AND_INCIDENTS_ID": 243418,
    "REC_TYPE": "24HR ROADWORKS",
    "INCIDENT_ID": 0,
    "DESCRIPTION": "Water Mains",
    "START_DATE": 1441065600000,
    "END_DATE": 1472687940000,
    "ROAD_NO": "4489",
    "LOCAL_ROAD": "North East Road",
    "SIDE_STREET": "Nottage Tce",
    "SUBURB": "Medindie",
    "LATITUDE": -34.893250399999999,
    "LONGITUDE": 138.6095459,
    "GIS_LINK_ID": 243418,
    "ACTIVE": "Y",
    "START_DATE_STRING": "Tue 01 Sep 2015 12:00 AM",
    "END_DATE_STRING": "Wed 31 Aug 2016 11:59 PM"
  },
  "geometry": {
    "points": [
      [
        15429944.068700001, -4149383.7459000014
      ]
    ]
  }
}]
}
```