
Schema documentation for massdot-itms-events-feed.xsd

february 22, 2019

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Schema(s)

Main schema massdot-itms-events-feed.xsd

Properties	attribute form default:	unqualified
	element form default:	unqualified

Element(s)

Element latlon / Latitude

Diagram	
Type	restriction of xs:decimal
Properties	content: simple
Facets	maxInclusive 90 minInclusive -90
Source	<pre><xs:element name="Latitude"> <xs:simpleType> <xs:restriction base="xs:decimal"> <xs:minInclusive value="-90"/> <xs:maxInclusive value="90"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

Element latlon / Longitude

Diagram	
Type	restriction of xs:decimal
Properties	content: simple

Facets	maxInclusive	180
	minInclusive	-180
Source	<pre><xs:element name="Longitude"> <xs:simpleType> <xs:restriction base="xs:decimal"> <xs:minInclusive value="-180"/> <xs:maxInclusive value="180"/> </xs:restriction> </xs:simpleType> </xs:element></pre>	

Element locationPoint / RoadwayName

Annotations	Name of the roadway for the location including direction (e.g. I-93 NB).	
Diagram		
Type	xs:string	
Properties	content:	simple
Source	<pre><xs:element name="RoadwayName" type="xs:string"> <xs:annotation> <xs:documentation>Name of the roadway for the location including direction (e.g. I-93 NB).</xs:documentation> </xs:annotation> </xs:element></pre>	

Element locationPoint / Coordinates

Annotations	The coordinates of the start/end/decision point.	
Diagram		
Type	latlon	
Properties	content:	complex
Model	Latitude , Longitude	
Children	Latitude, Longitude	
Instance	<pre><Coordinates> <Latitude>{1,1}</Latitude> <Longitude>{1,1}</Longitude> </Coordinates></pre>	
Source	<pre><xs:element name="Coordinates" type="latlon"> <xs:annotation> <xs:documentation>The coordinates of the start/end/decision point.</xs:documentation> </xs:annotation> </xs:element></pre>	

Element eventLocation / Point

Annotations	The location for a point event.
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Diagram	
Type	locationPoint
Properties	content: complex
Model	RoadwayName , Coordinates
Children	Coordinates, RoadwayName
Instance	<pre><Point> <RoadwayName>{1,1}</RoadwayName> <Coordinates>{1,1}</Coordinates> </Point></pre>
Source	<pre><xs:element name="Point" type="locationPoint"> <xs:annotation> <xs:documentation>The location for a point event.</xs:documentation> </xs:annotation> </xs:element></pre>

Element eventLocation / Range

Annotations	The location for a range event.
Diagram	
Properties	content: complex
Model	Start , Waypoint* , End
Children	End, Start, Waypoint
Instance	<pre><Range> <Start>{1,1}</Start> <Waypoint>{0,unbounded}</Waypoint> <End>{1,1}</End> </Range></pre>
Source	<pre><xs:element name="Range"> <xs:annotation> <xs:documentation>The location for a range event.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="Start" type="locationPoint"></pre>

```

        <xs:annotation>
          <xs:documentation>The point on the roadway that indicates the beginning of the event.</
xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="Waypoint" type="locationPoint" minOccurs="0" maxOccurs="unbounded">
        <xs:annotation>
          <xs:documentation>A point on the roadway that indicates a waypoint.</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="End" type="locationPoint">
        <xs:annotation>
          <xs:documentation>The point on the roadway that indicates the end of the event.</
xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

Element eventLocation / Range / Start

Annotations	The point on the roadway that indicates the beginning of the event.
Diagram	
Type	locationPoint
Properties	content: complex
Model	RoadwayName , Coordinates
Children	Coordinates, RoadwayName
Instance	<pre> <Start> <RoadwayName>{1,1}</RoadwayName> <Coordinates>{1,1}</Coordinates> </Start> </pre>
Source	<pre> <xs:element name="Start" type="locationPoint"> <xs:annotation> <xs:documentation>The point on the roadway that indicates the beginning of the event.</ xs:documentation> </xs:annotation> </xs:element> </pre>

Element eventLocation / Range / Waypoint

Annotations	A point on the roadway that indicates a waypoint.
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Diagram							
Type	locationPoint						
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>unbounded</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	RoadwayName , Coordinates						
Children	Coordinates, RoadwayName						
Instance	<pre><Waypoint> <RoadwayName>{1,1}</RoadwayName> <Coordinates>{1,1}</Coordinates> </Waypoint></pre>						
Source	<pre><xs:element name="Waypoint" type="locationPoint" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>A point on the roadway that indicates a waypoint.</xs:documentation> </xs:annotation> </xs:element></pre>						

Element eventLocation / Range / End

Annotations	The point on the roadway that indicates the end of the event.		
Diagram			
Type	locationPoint		
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> </table>	content:	complex
content:	complex		
Model	RoadwayName , Coordinates		
Children	Coordinates, RoadwayName		
Instance	<pre><End> <RoadwayName>{1,1}</RoadwayName> <Coordinates>{1,1}</Coordinates> </End></pre>		
Source	<pre><xs:element name="End" type="locationPoint"> <xs:annotation> <xs:documentation>The point on the roadway that indicates the end of the event.</xs:documentation> </xs:annotation> </xs:element></pre>		

Element eventLocation / Area

Annotations	The name/value of the specific area (type indicated by the type attribute) impacted by an event.		
Diagram			
Type	extension of xs:string		
Properties	content:	complex	
	maxOccurs:	unbounded	
Attributes	QName	Type	Use
	type	areaEventType	required
	The type of area region impacted by an event.		
Source	<pre><xs:element name="Area" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>The name/value of the specific area (type indicated by the type attribute) impacted by an event.</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="type" type="areaEventType" use="required"> <xs:annotation> <xs:documentation>The type of area region impacted by an event.</xs:documentation> </xs:annotation> </xs:attribute> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element></pre>		

Element laneInfo / Direction

Annotations	<p>The direction for each lane on the start roadway, including both direction of travel for bidirection roadways; e.g. NNN from three northbound lanes and SSSNNN for three southbound lanes and three northbound lanes. The convention is:</p> <ul style="list-style-type: none">- For northbound lanes, the first letter indicates the leftmost travel lane, which is closest to the median;- For southbound lanes, the first letter indicates the rightmost lane, which is closest to entry and exit ramps;- For eastbound lanes, the first letter indicates the leftmost travel lane, which is closest to the median;- For westbound lanes, the first letter indicates the rightmost lane, which is closest to entry and exit ramps.
Diagram	<p>The diagram illustrates the Direction element. It is a box with a blue header labeled "Direction" and a white body containing the attribute Type with the value xs:string. A callout bubble points to the "Direction" box, stating: "The direction for each lane on the start roadway, including both direction of travel for bidirection roadways; e.g. NNN...". Another callout bubble points to the "xs:string" value, stating: "Built-in primitive type. The string datatype represents character strings in XML." A line with a circle at the end connects the "xs:string" value to its callout bubble.</p>
Type	xs:string
Properties	content: simple
Source	<pre><xs:element name="Direction" type="xs:string"></pre>

```

<xs:annotation>
  <xs:documentation>The direction for each lane on the start roadway, including both direction
of travel for bidirection roadways; e.g. NNN from three northbound lanes and SSSNNN for three
southbound lanes and three northbound lanes. The convention is: - For northbound lanes, the first
letter indicates the leftmost travel lane, which is closest to the median; - For southbound lanes,
the first letter indicates the rightmost lane, which is closest to entry and exit ramps; - For
eastbound lanes, the first letter indicates the leftmost travel lane, which is closest to the
median; - For westbound lanes, the first letter indicates the rightmost lane, which is closest to
entry and exit ramps.</xs:documentation>
</xs:annotation>
</xs:element>

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Element laneInfo / LanesAffected

Annotations	Lanes affected, where open lanes will be represented by X and closed lanes by O. For example, if the rightmost two lanes are closed, then the string will be 0000XX.
Diagram	
Type	xs:string
Properties	content: simple
Source	<pre> <xs:element name="LanesAffected" type="xs:string"> <xs:annotation> <xs:documentation>Lanes affected, where open lanes will be represented by X and closed lanes by O. For example, if the rightmost two lanes are closed, then the string will be 0000XX.</ xs:documentation> </xs:annotation> </xs:element> </pre>

Element eventOccurrence / StartDateTime

Annotations	The start Date/Time for the occurrence.
Diagram	
Type	xs:dateTime
Properties	content: simple
Source	<pre> <xs:element name="StartDateTime" type="xs:dateTime"> <xs:annotation> <xs:documentation>The start Date/Time for the occurrence.</xs:documentation> </xs:annotation> </xs:element> </pre>

Element eventOccurrence / EndDateTime

Annotations	The end Date/Time for the occurrence.
Diagram	
Type	xs:dateTime
Properties	content: simple

Source	<pre><xs:element name="EndTime" type="xs:dateTime"> <xs:annotation> <xs:documentation>The end Date/Time for the occurrence.</xs:documentation> </xs:annotation> </xs:element></pre>
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Element event / Name

Annotations	Short name given to an event.
Diagram	
Type	xs:string
Properties	content: simple
Source	<pre><xs:element name="Name" type="xs:string"> <xs:annotation> <xs:documentation>Short name given to an event.</xs:documentation> </xs:annotation> </xs:element></pre>

Element event / CreatedAt

Annotations	Date/Time an event was created.
Diagram	
Type	xs:dateTime
Properties	content: simple
Source	<pre><xs:element name="CreatedAt" type="xs:dateTime"> <xs:annotation> <xs:documentation>Date/Time an event was created.</xs:documentation> </xs:annotation> </xs:element></pre>

Element event / ConfirmedAt

Annotations	Date/Time an event was confirmed.
Diagram	
Type	xs:dateTime
Properties	content: simple
Source	<pre><xs:element name="ConfirmedAt" type="xs:dateTime"> <xs:annotation> <xs:documentation>Date/Time an event was confirmed.</xs:documentation> </xs:annotation> </xs:element></pre>

Element event / UpdatedAt

Annotations	Date/Time an event was updated.
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Diagram	
Type	xs:dateTime
Properties	content: simple
Source	<pre><xs:element name="UpdatedAt" type="xs:dateTime"> <xs:annotation> <xs:documentation>Date/Time an event was updated.</xs:documentation> </xs:annotation> </xs:element></pre>

Element event / StartDate

Annotations	The start Date/Time for an event.
Diagram	
Type	xs:dateTime
Properties	content: simple
Source	<pre><xs:element name="StartDate" type="xs:dateTime"> <xs:annotation> <xs:documentation>The start Date/Time for an event.</xs:documentation> </xs:annotation> </xs:element></pre>

Element event / Location

Annotations	The location defined for an event.
Diagram	
Type	eventLocation
Properties	content: complex
Model	Point Range Area+
Children	Area, Point, Range
Instance	<pre><Location> <Point>{1,1}</Point> <Range>{1,1}</Range> <Area type=" ">{1,unbounded}</Area> </Location></pre>
Source	<pre><xs:element name="Location" type="eventLocation"> <xs:annotation> <xs:documentation>The location defined for an event.</xs:documentation> </xs:annotation></pre>

</xs:element>

Element event / Status

Annotations	The current status of an event.						
Diagram							
Type	eventStatus						
Properties	content: simple						
Facets	<table> <tr> <td>enumeration</td><td>ACTIVE</td></tr> <tr> <td>enumeration</td><td>FUTURE</td></tr> <tr> <td>enumeration</td><td>TERMINATED</td></tr> </table>	enumeration	ACTIVE	enumeration	FUTURE	enumeration	TERMINATED
enumeration	ACTIVE						
enumeration	FUTURE						
enumeration	TERMINATED						
Source	<pre><xs:element name="Status" type="eventStatus"> <xs:annotation> <xs:documentation>The current status of an event.</xs:documentation> </xs:annotation> </xs:element></pre>						

Element event / LaneInfo

Annotations	Parent element for lane-level information for the location of an event.				
Diagram					
Type	laneInfo				
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> </table>	content:	complex	minOccurs:	0
content:	complex				
minOccurs:	0				
Model	Direction , LanesAffected				
Children	Direction, LanesAffected				
Instance	<pre><LaneInfo> <Direction>{1,1}</Direction> <LanesAffected>{1,1}</LanesAffected> </LaneInfo></pre>				
Source	<pre><xs:element name="LaneInfo" type="laneInfo" minOccurs="0"> <xs:annotation> <xs:documentation>Parent element for lane-level information for the location of an event.</xs:documentation> </xs:annotation> </xs:element></pre>				

Element specialEventSpecifics / SpecialEventCharacteristics

Annotations	The characteristics specific to a Special Event.
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Diagram																		
Type	xs:string																	
Properties	<table><tr><td>content:</td><td>simple</td></tr><tr><td>minOccurs:</td><td>0</td></tr></table>			content:	simple	minOccurs:	0											
content:	simple																	
minOccurs:	0																	
Type Alternatives	<table><tr><th>Type</th><th>Test</th><th>XPath default namespace</th></tr><tr><td>stadiumArenaEventType</td><td>@subtype = 'STADIUM/ARENA_EVENT'</td><td></td></tr><tr><td>outdoorEventType</td><td>@subtype = 'OUTDOOR_EVENT'</td><td></td></tr><tr><td>athleticEventType</td><td>@subtype = 'ATHLETIC_EVENT'</td><td></td></tr><tr><td>xs:anyAtomicType [Default Type]</td><td></td><td></td></tr></table>			Type	Test	XPath default namespace	stadiumArenaEventType	@subtype = 'STADIUM/ARENA_EVENT'		outdoorEventType	@subtype = 'OUTDOOR_EVENT'		athleticEventType	@subtype = 'ATHLETIC_EVENT'		xs:anyAtomicType [Default Type]		
Type	Test	XPath default namespace																
stadiumArenaEventType	@subtype = 'STADIUM/ARENA_EVENT'																	
outdoorEventType	@subtype = 'OUTDOOR_EVENT'																	
athleticEventType	@subtype = 'ATHLETIC_EVENT'																	
xs:anyAtomicType [Default Type]																		
Source	<pre><xs:element name="SpecialEventCharacteristics" type="xs:string" minOccurs="0"> <xs:annotation> <xs:documentation>The characteristics specific to a Special Event.</xs:documentation> </xs:annotation> <xs:alternative test="@subtype = 'STADIUM/ARENA_EVENT'" type="stadiumArenaEventType"/> <xs:alternative test="@subtype = 'OUTDOOR_EVENT'" type="outdoorEventType"/> <xs:alternative test="@subtype = 'ATHLETIC_EVENT'" type="athleticEventType"/> </xs:element></pre>																	

Element plannedEvent / EndDate

Annotations	The end Date/Time for a planned event.		
Diagram	<div><div><div>EndDate</div><div>Typexs:dateTime</div></div><div>The end Date/Time for a planned event.</div><div><div>xs:dateTime</div><div>Built-in primitive type. The dateTime datatype represents a specific instant of time.</div></div></div>		
Type	xs:dateTime		
Properties	content:	simple	
Source	<pre><xs:element name="EndDate" type="xs:dateTime"> <xs:annotation> <xs:documentation>The end Date/Time for a planned event.</xs:documentation> </xs:annotation> </xs:element></pre>		

Element plannedEvent / TypeSpecific

Annotations	Details specific to the type of Planned Event.
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Diagram	<p>The diagram shows a box labeled "TypeSpecific" with a callout bubble containing the text "Details specific to the type of Planned Event." This box is connected to a larger box titled "Type Alternatives". Inside the "Type Alternatives" box, there are two entries, each with a square icon, a name, and a test condition. The first entry is "constructionMaintenanceSpecifics" with the test "@type = 'CONSTRUCTION/MAINTENANCE'". The second entry is "specialEventSpecifics" with the test "@type = 'SPECIAL_EVENT'". Both entries have a plus sign (+) to their right, indicating they are alternatives.</p>											
Type Alternatives	<table><thead><tr><th>Type</th><th>Test</th><th>XPath default namespace</th></tr></thead><tbody><tr><td>constructionMaintenanceSpecifics</td><td>@type = 'CONSTRUCTION/MAINTENANCE'</td><td></td></tr><tr><td>specialEventSpecifics</td><td>@type = 'SPECIAL_EVENT'</td><td></td></tr></tbody></table>	Type	Test	XPath default namespace	constructionMaintenanceSpecifics	@type = 'CONSTRUCTION/MAINTENANCE'		specialEventSpecifics	@type = 'SPECIAL_EVENT'			
Type	Test	XPath default namespace										
constructionMaintenanceSpecifics	@type = 'CONSTRUCTION/MAINTENANCE'											
specialEventSpecifics	@type = 'SPECIAL_EVENT'											
Source	<pre><xs:element name="TypeSpecific"> <xs:annotation> <xs:documentation>Details specific to the type of Planned Event.</xs:documentation> </xs:annotation> <xs:alternative test="@type = 'CONSTRUCTION/MAINTENANCE'" type="constructionMaintenanceSpecifics"/> <xs:alternative test="@type = 'SPECIAL_EVENT'" type="specialEventSpecifics"/> </xs:element></pre>											

Element plannedEvent / Occurrences

Annotations	A list of all occurrences for a single event. Up to 20 per event (arbitrary cap).		
Diagram			
Properties	content:	complex	
Model	Occurrence		
Children	Occurrence		
Instance	<pre><Occurrences> <Occurrence>{1,1}</Occurrence> </Occurrences></pre>		
Source	<pre><xs:element name="Occurrences"> <xs:annotation> <xs:documentation>A list of all occurrences for a single event. Up to 20 per event (arbitrary cap).</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence maxOccurs="20"> <xs:element name="Occurrence" type="eventOccurrence"> <xs:annotation> <xs:documentation>A single occurrence of a reurring event.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre>		

Element plannedEvent / Occurrences / Occurrence

Annotations	A single occurrence of a reurring event.
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Diagram	
Type	eventOccurrence
Properties	content: complex
Model	StartDateTime , EndDateTime
Children	EndDateTime, StartDateTime
Instance	<pre><Occurrence> <StartDateTime>{1,1}</StartDateTime> <EndDateTime>{1,1}</EndDateTime> </Occurrence></pre>
Source	<pre><xs:element name="Occurrence" type="eventOccurrence"> <xs:annotation> <xs:documentation>A single occurrence of a reurring event.</xs:documentation> </xs:annotation> </xs:element></pre>

Element advisoryWatchWarningCharacteristics / ID

Annotations	An identifier for the specific weather category, event, and location.
Diagram	
Type	xs:integer
Properties	content: simple
Source	<pre><xs:element name="ID" type="xs:integer"> <xs:annotation> <xs:documentation>An identifier for the specific weather category, event, and location.</xs:documentation> </xs:annotation> </xs:element></pre>

Element advisoryWatchWarningCharacteristics / Category

Annotations	The category of the advisory/watch/warning, (either ADVISORY, WATCH, or WARNING).				
Diagram					
Type	restriction of xs:string				
Properties	content: simple				
Facets	<table> <tr> <td>enumeration</td><td>ADVISORY</td></tr> <tr> <td>enumeration</td><td>WATCH</td></tr> </table>	enumeration	ADVISORY	enumeration	WATCH
enumeration	ADVISORY				
enumeration	WATCH				

	enumeration WARNING
Source	<pre> <xs:element name="Category"> <xs:annotation> <xs:documentation>The category of the advisory/watch/warning, (either ADVISORY, WATCH, or WARNING).</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="ADVISORY"/> <xs:enumeration value="WATCH"/> <xs:enumeration value="WARNING"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>

Element advisoryWatchWarningCharacteristics / EventType

Annotations	The type of weather event (e.g. Tornado, Hurricane).
Diagram	
Type	xs:string
Properties	content: simple
Source	<pre> <xs:element name="EventType" type="xs:string"> <xs:annotation> <xs:documentation>The type of weather event (e.g. Tornado, Hurricane).</xs:documentation> </xs:annotation> </xs:element> </pre>

Element advisoryWatchWarningCharacteristics / Location

Annotations	The specified location of the advisory/watch/warning. This could be a county name, 'STATEWIDE', or many county names.
Diagram	
Properties	maxOccurs: unbounded
Source	<pre> <xs:element name="Location" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>The specified location of the advisory/watch/warning. This could be a county name, 'STATEWIDE', or many county names.</xs:documentation> </xs:annotation> </xs:element> </pre>

Element advisoryWatchWarningCharacteristics / StartDateTime

Annotations	The specified start time for the advisory/watch/warning.
Diagram	
Type	xs:dateTime
Properties	content: simple
Source	<pre> <xs:element name="StartDateTime" type="xs:dateTime"> </pre>

```
<xs:annotation>
  <xs:documentation>The specified start time for the advisory/watch/warning.</xs:documentation>
</xs:annotation>
</xs:element>
```

Element advisoryWatchWarningCharacteristics / EndDateTime

Annotations	The specified end time for the advisory/watch/warning.
Diagram	
Type	xs:dateTime
Properties	content: simple
Source	<pre><xs:element name="EndDateTime" type="xs:dateTime"> <xs:annotation> <xs:documentation>The specified end time for the advisory/watch/warning.</xs:documentation> </xs:annotation> </xs:element></pre>

Element roadwayTrafficCharacteristics / HasSpeedRestriction

Annotations	Specifies if there is a speed restriction associated with the event.
Diagram	
Type	xs:boolean
Properties	content: simple
Source	<pre><xs:element name="HasSpeedRestriction" type="xs:boolean"> <xs:annotation> <xs:documentation>Specifies if there is a speed restriction associated with the event.</xs:documentation> </xs:annotation> </xs:element></pre>

Element roadwayTrafficCharacteristics / IsWithinWorkZone

Annotations	Specifies if the event is within a work zone.
Diagram	
Type	xs:boolean
Properties	content: simple
Source	<pre><xs:element name="IsWithinWorkZone" type="xs:boolean"> <xs:annotation> <xs:documentation>Specifies if the event is within a work zone.</xs:documentation> </xs:annotation> </xs:element></pre>

Element roadwayTrafficCharacteristics / IsBoreClosureRequired

Annotations	Specifies if there is a bore closure required for the event.
-------------	--

Diagram	
Type	xs:boolean
Properties	content: simple
Source	<pre><xs:element name="IsBoreClosureRequired" type="xs:boolean"> <xs:annotation> <xs:documentation>Specifies if there is a bore closure required for the event.</ </xs:annotation> </xs:element></pre>

Element roadwayTrafficSpecifics / Subtype

Annotations	The ascribed sub-type of the ROADWAY/TRAFFIC Unplanned Event.																	
Diagram	<div><div><div><div><div>Type</div><div>xs:string</div></div><div><div>The ascribed sub-type of the ROADWAY/TRAFFIC Unplanned Event.</div></div></div><div><div><div>Type Alternatives</div><div><div><div>roadwayTrafficFireSubtype</div><div>Test @type = 'FIRE'</div></div><div><div>roadwayTrafficRoadwayDamageSubtype</div><div>Test @type = 'ROADWAY_DAMAGE'</div></div><div><div>roadwayTrafficRoadwayObstructionSubtype</div><div>Test @type = 'ROADWAY_OBSTRUCTION'</div></div></div><div><div>xs:string</div><div><div>Built-in primitive type. The string datatype represents character strings in XML.</div></div></div></div></div></div></div>																	
Type	xs:string																	
Properties	content:	simple																
Type Alternatives	<table><thead><tr><th>Type</th><th>Test</th><th>XPath default namespace</th></tr></thead><tbody><tr><td>roadwayTrafficFireSubtype</td><td>@type = 'FIRE'</td><td></td></tr><tr><td>roadwayTrafficRoadwayDamageSubtype</td><td>@type = 'ROADWAY_DAMAGE'</td><td></td></tr><tr><td>roadwayTrafficRoadwayObstructionSubtype</td><td>@type = 'ROADWAY_OBSTRUCTION'</td><td></td></tr><tr><td>xs:anyAtomicType [Default Type]</td><td></td><td></td></tr></tbody></table>	Type	Test	XPath default namespace	roadwayTrafficFireSubtype	@type = 'FIRE'		roadwayTrafficRoadwayDamageSubtype	@type = 'ROADWAY_DAMAGE'		roadwayTrafficRoadwayObstructionSubtype	@type = 'ROADWAY_OBSTRUCTION'		xs:anyAtomicType [Default Type]				
Type	Test	XPath default namespace																
roadwayTrafficFireSubtype	@type = 'FIRE'																	
roadwayTrafficRoadwayDamageSubtype	@type = 'ROADWAY_DAMAGE'																	
roadwayTrafficRoadwayObstructionSubtype	@type = 'ROADWAY_OBSTRUCTION'																	
xs:anyAtomicType [Default Type]																		
Source	<pre><xs:element name="Subtype" type="xs:string"> <xs:annotation> <xs:documentation>The ascribed sub-type of the ROADWAY/TRAFFIC Unplanned Event.</ xs:documentation> </xs:annotation> <xs:alternative test="@type = 'FIRE'" type="roadwayTrafficFireSubtype"/> <xs:alternative test="@type = 'ROADWAY_DAMAGE'" type="roadwayTrafficRoadwayDamageSubtype"/> <xs:alternative test="@type = 'ROADWAY_OBSTRUCTION'" type="roadwayTrafficRoadwayObstructionSubtype"/> </xs:element></pre>																	

Element roadwayTrafficSpecifics / Characteristics

Annotations	The specific characteristics of a ROADWAY/TRAFFIC Unplanned Event.
-------------	--

Diagram	
Type	roadwayTrafficCharacteristics
Properties	content: complex minOccurs: 0
Model	HasSpeedRestriction , IsWithinWorkZone , IsBoreClosureRequired
Children	HasSpeedRestriction, IsBoreClosureRequired, IsWithinWorkZone
Instance	<pre> <Characteristics> <HasSpeedRestriction>{1,1}</HasSpeedRestriction> <IsWithinWorkZone>{1,1}</IsWithinWorkZone> <IsBoreClosureRequired>{1,1}</IsBoreClosureRequired> </Characteristics> </pre>
Source	<pre> <xs:element name="Characteristics" type="roadwayTrafficCharacteristics" minOccurs="0"> <xs:annotation> <xs:documentation>The specific characteristics of a ROADWAY/TRAFFIC Unplanned Event.</xs:documentation> </xs:annotation> </xs:element> </pre>

Element actsOfNatureSpecifics / Characteristics

Annotations	The specific characteristics of an ACTS_OF_NATURE Unplanned Event.
Diagram	

Type	advisoryWatchWarningCharacteristics
Properties	<div>content: complex</div> <div>minOccurs: 0</div>
Model	ID , Category , EventType , Location+ , StartDateTime , EndDateTime
Children	Category, EndDateTime, EventType, ID, Location, StartDateTime
Instance	<pre><Characteristics> <ID>{1,1}</ID> <Category>{1,1}</Category> <EventType>{1,1}</EventType> <Location>{1,unbounded}</Location> <StartDateTime>{1,1}</StartDateTime> <EndDateTime>{1,1}</EndDateTime> </Characteristics></pre>
Source	<pre><xs:element name="Characteristics" type="advisoryWatchWarningCharacteristics" minOccurs="0"> <xs:annotation> <xs:documentation>The specific characteristics of an ACTS_OF_NATURE Unplanned Event.</xs:documentation> </xs:annotation> </xs:element></pre>

Element unplannedEvent / CategorySpecific

Annotations	Details specific to the category of the Unplanned Event.											
Diagram												
Type Alternatives	<table><thead><tr><th>Type</th><th>Test</th><th>XPath default namespace</th></tr></thead><tbody><tr><td>roadwayTrafficSpecifics</td><td>@category = 'ROADWAY/TRAFFIC'</td><td></td></tr><tr><td>actsOfNatureSpecifics</td><td>@category = 'ACTS_OF_NATURE'</td><td></td></tr></tbody></table>	Type	Test	XPath default namespace	roadwayTrafficSpecifics	@category = 'ROADWAY/TRAFFIC'		actsOfNatureSpecifics	@category = 'ACTS_OF_NATURE'			
Type	Test	XPath default namespace										
roadwayTrafficSpecifics	@category = 'ROADWAY/TRAFFIC'											
actsOfNatureSpecifics	@category = 'ACTS_OF_NATURE'											
Source	<pre><xs:element name="CategorySpecific"> <xs:annotation> <xs:documentation>Details specific to the category of the Unplanned Event.</xs:documentation> </xs:annotation> <xs:alternative test="@category = 'ROADWAY/TRAFFIC'" type="roadwayTrafficSpecifics"/> <xs:alternative test="@category = 'ACTS_OF_NATURE'" type="actsOfNatureSpecifics"/> </xs:element></pre>											

Element EventsFeed

Annotations	Root element for the feed.		
Diagram			
Properties	content:	complex	
Model	UpdateTimestamp , Events		
Children	Events, UpdateTimestamp		
Instance	<pre><EventsFeed> <UpdateTimestamp>{1,1}</UpdateTimestamp></pre>		

	<pre> <Events>{1,1}</Events> </EventsFeed> </pre>
Source	<pre> <xs:element name="EventsFeed"> <xs:annotation> <xs:documentation>Root element for the feed.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="UpdateTimestamp" type="xs:dateTime"> <xs:annotation> <xs:documentation>Date/Time when this instance of the feed was published.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="Events"> <xs:annotation> <xs:documentation>Includes all published planned/unplanned events.</xs:documentation> </xs:annotation> <xs:complexType> <xs:choice minOccurs="0" maxOccurs="unbounded"> <xs:element name="PlannedEvent" type="plannedEvent"> <xs:annotation> <xs:documentation>A planned event that affects the roadway - e.g. planned construction work.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="UnplannedEvent" type="unplannedEvent"> <xs:annotation> <xs:documentation>An unplanned event that is affecting the roadway - e.g. a crash.</xs:documentation> </xs:annotation> </xs:element> </xs:choice> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>

Element EventsFeed / UpdateTimestamp

Annotations	Date/Time when this instance of the feed was published.
Diagram	
Type	xs:dateTime
Properties	content: simple
Source	<pre> <xs:element name="UpdateTimestamp" type="xs:dateTime"> <xs:annotation> <xs:documentation>Date/Time when this instance of the feed was published.</xs:documentation> </xs:annotation> </xs:element> </pre>

Element EventsFeed / Events

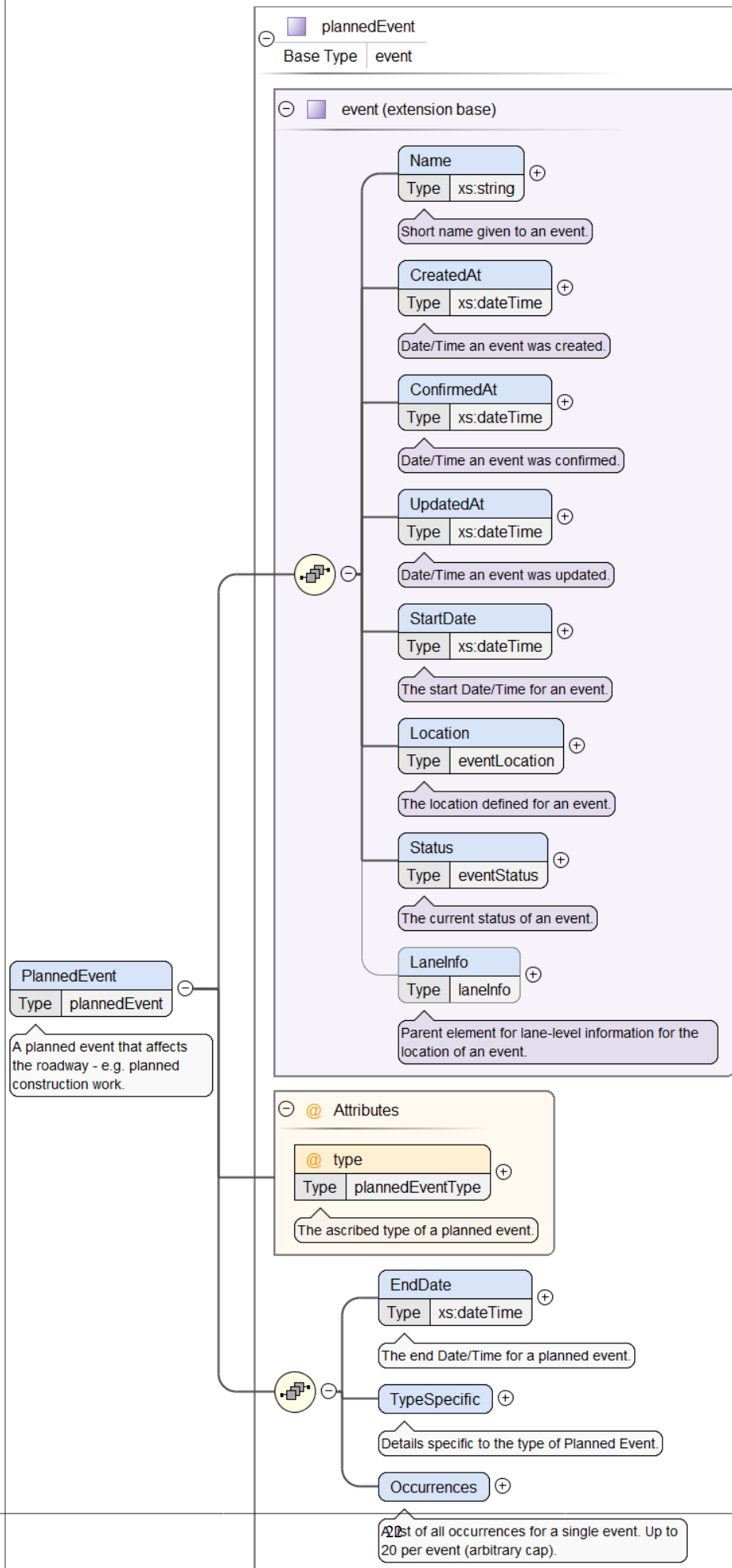
Annotations	Includes all published planned/unplanned events.
Diagram	

Properties	content: complex
Model	PlannedEvent UnplannedEvent
Children	PlannedEvent, UnplannedEvent
Instance	<pre> <Events> <PlannedEvent type="">{1,1}</PlannedEvent> <UnplannedEvent category="">{1,1}</UnplannedEvent> </Events> </pre>
Source	<pre> <xs:element name="Events"> <xs:annotation> <xs:documentation>Includes all published planned/unplanned events.</xs:documentation> </xs:annotation> <xs:complexType> <xs:choice minOccurs="0" maxOccurs="unbounded"> <xs:element name="PlannedEvent" type="plannedEvent"> <xs:annotation> <xs:documentation>A planned event that affects the roadway - e.g. planned construction work.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="UnplannedEvent" type="unplannedEvent"> <xs:annotation> <xs:documentation>An unplanned event that is affecting the roadway - e.g. a crash.</ xs:documentation> </xs:annotation> </xs:element> </xs:choice> </xs:complexType> </xs:element> </pre>

Element EventsFeed / Events / PlannedEvent

Annotations	A planned event that affects the roadway - e.g. planned construction work.
-------------	--

Diagram

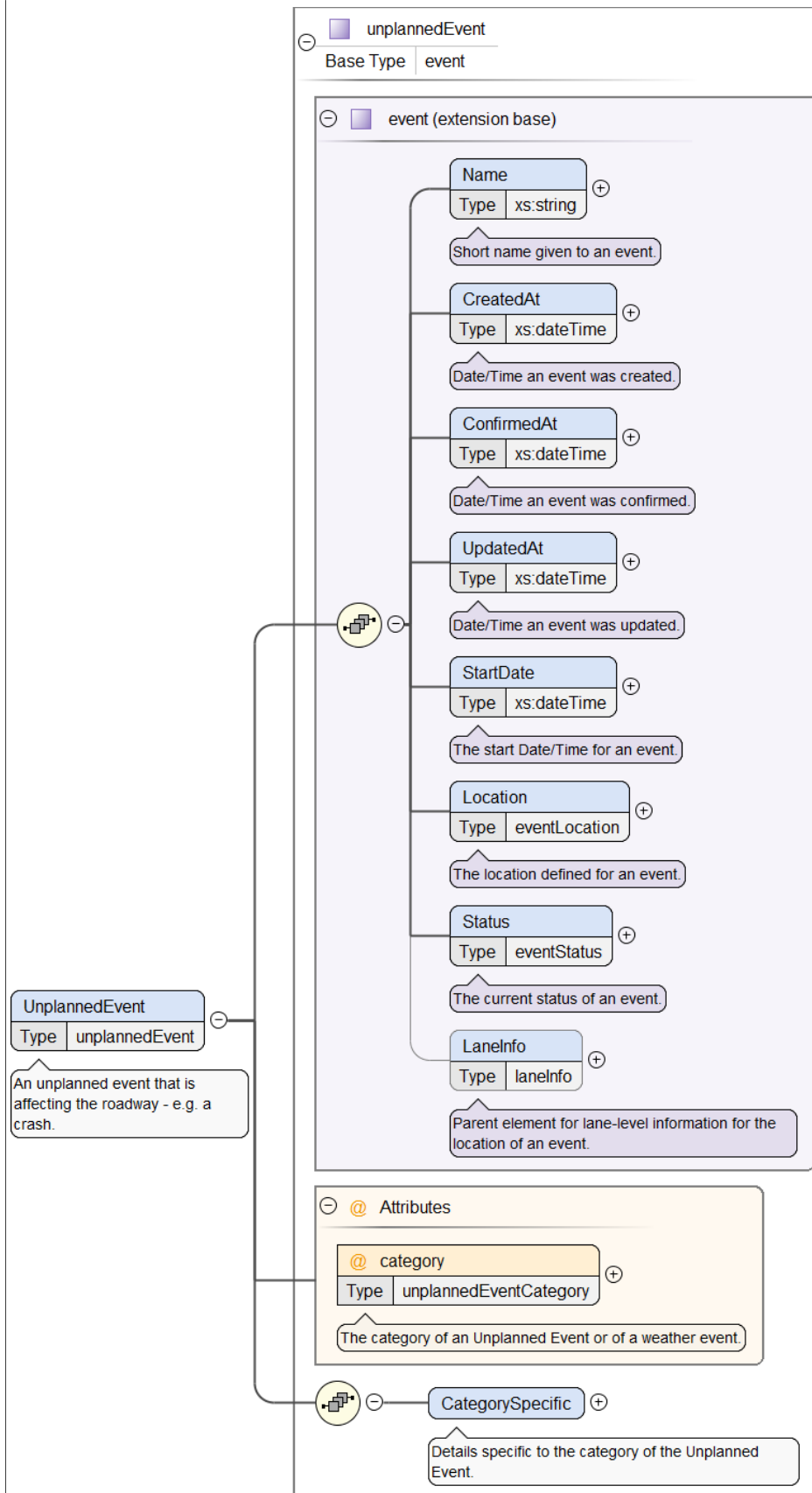


Type	plannedEvent			
Type hierarchy	<ul style="list-style-type: none"> event <ul style="list-style-type: none"> plannedEvent 			
Properties	content: complex			
Model	Name , CreatedAt , ConfirmedAt , UpdatedAt , StartDate , Location , Status , LaneInfo{0,1} , EndDate , TypeSpecific , Occurrences			
Children	ConfirmedAt, CreatedAt, EndDate, LaneInfo, Location, Name, Occurrences, StartDate, Status, TypeSpecific, UpdatedAt			
Instance	<pre><PlannedEvent type=""> <Name>{1,1}</Name> <CreatedAt>{1,1}</CreatedAt> <ConfirmedAt>{1,1}</ConfirmedAt> <UpdatedAt>{1,1}</UpdatedAt> <StartDate>{1,1}</StartDate> <Location>{1,1}</Location> <Status>{1,1}</Status> <LaneInfo>{0,1}</LaneInfo> <EndDate>{1,1}</EndDate> <TypeSpecific>{1,1}</TypeSpecific> <Occurrences>{1,1}</Occurrences> </PlannedEvent></pre>			
Attributes	QName	Type	Use	
	type	plannedEventType	required	
	The ascribed type of a planned event.			
Source	<pre><xs:element name="PlannedEvent" type="plannedEvent"> <xs:annotation> <xs:documentation>A planned event that affects the roadway - e.g. planned construction work.</xs:documentation> </xs:annotation> </xs:element></pre>			

Element EventsFeed / Events / UnplannedEvent

Annotations	An unplanned event that is affecting the roadway - e.g. a crash.
-------------	--

Diagram



Type	unplannedEvent
Type hierarchy	<ul style="list-style-type: none"> event unplannedEvent

Properties	content: complex			
Model	Name , CreatedAt , ConfirmedAt , UpdatedAt , StartDate , Location , Status , LaneInfo{0,1} , CategorySpecific			
Children	CategorySpecific, ConfirmedAt, CreatedAt, LaneInfo, Location, Name, StartDate, Status, UpdatedAt			
Instance	<pre><UnplannedEvent category=""> <Name>{1,1}</Name> <CreatedAt>{1,1}</CreatedAt> <ConfirmedAt>{1,1}</ConfirmedAt> <UpdatedAt>{1,1}</UpdatedAt> <StartDate>{1,1}</StartDate> <Location>{1,1}</Location> <Status>{1,1}</Status> <LaneInfo>{0,1}</LaneInfo> <CategorySpecific>{1,1}</CategorySpecific> </UnplannedEvent></pre>			
Attributes	QName	Type	Use	
	category	unplannedEventCategory	required	
		The category of an Unplanned Event or of a weather event.		
Source	<pre><xs:element name="UnplannedEvent" type="unplannedEvent"> <xs:annotation> <xs:documentation>An unplanned event that is affecting the roadway - e.g. a crash.</ </xs:annotation> <xs:documentation> </xs:documentation> </xs:element></pre>			

Simple Type(s)

Simple Type eventStatus

Annotations	<p>ACTIVE: The event is currently active.</p> <p>FUTURE: The event is scheduled to occur in the future.</p> <p>TERMINATED: The event has been terminated.</p>
Diagram	
Type	restriction of xs:string
Facets	enumeration ACTIVE
	enumeration FUTURE
	enumeration TERMINATED
Used by	Element event/Status
Source	<pre><xs:simpleType name="eventStatus"> <xs:annotation> <xs:documentation>ACTIVE: The event is currently active. FUTURE: The event is scheduled to occur in the future. TERMINATED: The event has been terminated.</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:enumeration value="ACTIVE"/> <xs:enumeration value="FUTURE"/> <xs:enumeration value="TERMINATED"/> </xs:restriction> </xs:simpleType></pre>

Simple Type areaEventType

Annotations	<p>Subdistricts defined at: https://geo-massdot.opendata.arcgis.com/datasets/2bd2e8188d2941c692ca0b882cbd9aea_0</p> <p>Districts defined at: https://geo-massdot.opendata.arcgis.com/datasets/3399393a72f3424082dc5974f001cad8_0</p>
-------------	--

Diagram											
Type	restriction of xs:string										
Facets	<table> <tr><td>enumeration</td><td>TOWN</td></tr> <tr><td>enumeration</td><td>COUNTY</td></tr> <tr><td>enumeration</td><td>SUBDISTRICT</td></tr> <tr><td>enumeration</td><td>DISTRICT</td></tr> <tr><td>enumeration</td><td>STATEWIDE</td></tr> </table>	enumeration	TOWN	enumeration	COUNTY	enumeration	SUBDISTRICT	enumeration	DISTRICT	enumeration	STATEWIDE
enumeration	TOWN										
enumeration	COUNTY										
enumeration	SUBDISTRICT										
enumeration	DISTRICT										
enumeration	STATEWIDE										
Used by	Attribute eventLocation/Area/@type										
Source	<pre> <xs:simpleType name="areaEventType"> <xs:annotation> <xs:documentation>Subdistricts defined at: https://geo-massdot.opendata.arcgis.com/datasets/2bd2e8188d2941c692ca0b882cbd9aea_0 Districts defined at: https://geo-massdot.opendata.arcgis.com/datasets/3399393a72f3424082dc5974f001cad8_0</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:enumeration value="TOWN" /> <xs:enumeration value="COUNTY" /> <xs:enumeration value="SUBDISTRICT" /> <xs:enumeration value="DISTRICT" /> <xs:enumeration value="STATEWIDE" /> </xs:restriction> </xs:simpleType> </pre>										

Simple Type plannedEventType

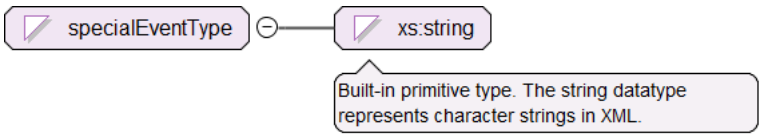
Diagram					
Type	restriction of xs:string				
Facets	<table> <tr><td>enumeration</td><td>CONSTRUCTION/MAINTENANCE</td></tr> <tr><td>enumeration</td><td>SPECIAL_EVENT</td></tr> </table>	enumeration	CONSTRUCTION/MAINTENANCE	enumeration	SPECIAL_EVENT
enumeration	CONSTRUCTION/MAINTENANCE				
enumeration	SPECIAL_EVENT				
Used by	Attribute plannedEvent/@type				
Source	<pre> <xs:simpleType name="plannedEventType"> <xs:restriction base="xs:string"> <xs:enumeration value="CONSTRUCTION/MAINTENANCE" /> <xs:enumeration value="SPECIAL_EVENT" /> </xs:restriction> </xs:simpleType> </pre>				

Simple Type constructionMaintenanceType

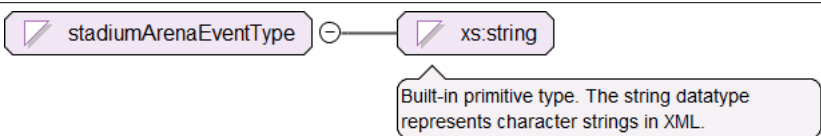
Diagram											
Type	restriction of xs:string										
Facets	<table> <tr><td>enumeration</td><td>ROADWAY_ACTIVITY</td></tr> <tr><td>enumeration</td><td>BRIDGE_ACTIVITY</td></tr> <tr><td>enumeration</td><td>TUNNEL_ACTIVITY</td></tr> <tr><td>enumeration</td><td>FACILITY_ACTIVITY</td></tr> <tr><td>enumeration</td><td>UTILITY_ACTIVITY</td></tr> </table>	enumeration	ROADWAY_ACTIVITY	enumeration	BRIDGE_ACTIVITY	enumeration	TUNNEL_ACTIVITY	enumeration	FACILITY_ACTIVITY	enumeration	UTILITY_ACTIVITY
enumeration	ROADWAY_ACTIVITY										
enumeration	BRIDGE_ACTIVITY										
enumeration	TUNNEL_ACTIVITY										
enumeration	FACILITY_ACTIVITY										
enumeration	UTILITY_ACTIVITY										

Used by	Attribute constructionMaintenanceSpecifics/@subtype
Source	<pre> <xs:simpleType name="constructionMaintenanceType"> <xs:restriction base="xs:string"> <xs:enumeration value="ROADWAY_ACTIVITY" /> <xs:enumeration value="BRIDGE_ACTIVITY" /> <xs:enumeration value="TUNNEL_ACTIVITY" /> <xs:enumeration value="FACILITY_ACTIVITY" /> <xs:enumeration value="UTILITY_ACTIVITY" /> </xs:restriction> </xs:simpleType> </pre>

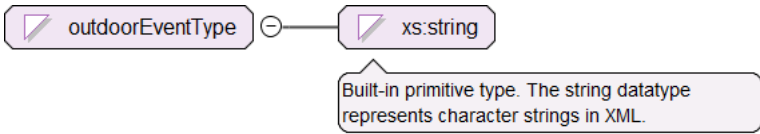
Simple Type specialEventType

Diagram															
Type	restriction of xs:string														
Facets	<table> <tr><td>enumeration</td><td>STADIUM/ARENA_EVENT</td></tr> <tr><td>enumeration</td><td>OUTDOOR_EVENT</td></tr> <tr><td>enumeration</td><td>VIP_VISIT</td></tr> <tr><td>enumeration</td><td>ATHLETIC_EVENT</td></tr> <tr><td>enumeration</td><td>FUNERAL_PROCESSION</td></tr> <tr><td>enumeration</td><td>TRAINING/DRILL</td></tr> <tr><td>enumeration</td><td>OTHER</td></tr> </table>	enumeration	STADIUM/ARENA_EVENT	enumeration	OUTDOOR_EVENT	enumeration	VIP_VISIT	enumeration	ATHLETIC_EVENT	enumeration	FUNERAL_PROCESSION	enumeration	TRAINING/DRILL	enumeration	OTHER
enumeration	STADIUM/ARENA_EVENT														
enumeration	OUTDOOR_EVENT														
enumeration	VIP_VISIT														
enumeration	ATHLETIC_EVENT														
enumeration	FUNERAL_PROCESSION														
enumeration	TRAINING/DRILL														
enumeration	OTHER														
Used by	Attribute specialEventSpecifics/@subtype														
Source	<pre> <xs:simpleType name="specialEventType"> <xs:restriction base="xs:string"> <xs:enumeration value="STADIUM/ARENA_EVENT" /> <xs:enumeration value="OUTDOOR_EVENT" /> <xs:enumeration value="VIP_VISIT" /> <xs:enumeration value="ATHLETIC_EVENT" /> <xs:enumeration value="FUNERAL_PROCESSION" /> <xs:enumeration value="TRAINING/DRILL" /> <xs:enumeration value="OTHER" /> </xs:restriction> </xs:simpleType> </pre>														

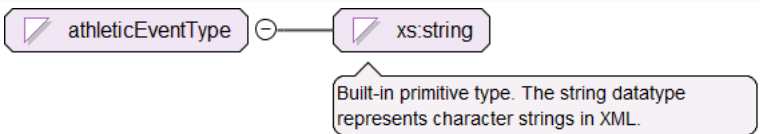
Simple Type stadiumArenaEventType

Diagram									
Type	restriction of xs:string								
Facets	<table> <tr><td>enumeration</td><td>PAVILION_EVENT</td></tr> <tr><td>enumeration</td><td>GILLETTE_STADIUM_EVENT</td></tr> <tr><td>enumeration</td><td>BCEC_EVENT</td></tr> <tr><td>enumeration</td><td>OTHER</td></tr> </table>	enumeration	PAVILION_EVENT	enumeration	GILLETTE_STADIUM_EVENT	enumeration	BCEC_EVENT	enumeration	OTHER
enumeration	PAVILION_EVENT								
enumeration	GILLETTE_STADIUM_EVENT								
enumeration	BCEC_EVENT								
enumeration	OTHER								
Source	<pre> <xs:simpleType name="stadiumArenaEventType"> <xs:restriction base="xs:string"> <xs:enumeration value="PAVILION_EVENT" /> <xs:enumeration value="GILLETTE_STADIUM_EVENT" /> <xs:enumeration value="BCEC_EVENT" /> <xs:enumeration value="OTHER" /> </xs:restriction> </xs:simpleType> </pre>								

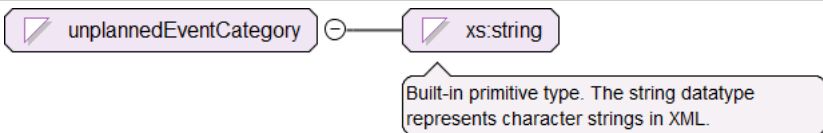
Simple Type outdoorEventType

Diagram									
Type	restriction of xs:string								
Facets	<table><tr><td>enumeration</td><td>AIRSHOW</td></tr><tr><td>enumeration</td><td>FIREWORKS_DISPLAY</td></tr><tr><td>enumeration</td><td>MOVIE_FILMING</td></tr><tr><td>enumeration</td><td>GENERAL_OUTDOOR_EVENT</td></tr></table>	enumeration	AIRSHOW	enumeration	FIREWORKS_DISPLAY	enumeration	MOVIE_FILMING	enumeration	GENERAL_OUTDOOR_EVENT
enumeration	AIRSHOW								
enumeration	FIREWORKS_DISPLAY								
enumeration	MOVIE_FILMING								
enumeration	GENERAL_OUTDOOR_EVENT								
Source	<pre><xs:simpleType name="outdoorEventType"> <xs:restriction base="xs:string"> <xs:enumeration value="AIRSHOW" /> <xs:enumeration value="FIREWORKS_DISPLAY" /> <xs:enumeration value="MOVIE_FILMING" /> <xs:enumeration value="GENERAL_OUTDOOR_EVENT" /> </xs:restriction> </xs:simpleType></pre>								

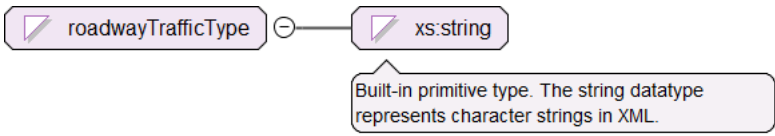
Simple Type athleticEventType

Diagram									
Type	restriction of xs:string								
Facets	<table><tr><td>enumeration</td><td>MARATHON</td></tr><tr><td>enumeration</td><td>ROAD_RACE</td></tr><tr><td>enumeration</td><td>BIKE_RACE</td></tr><tr><td>enumeration</td><td>CHARITY_WALK</td></tr></table>	enumeration	MARATHON	enumeration	ROAD_RACE	enumeration	BIKE_RACE	enumeration	CHARITY_WALK
enumeration	MARATHON								
enumeration	ROAD_RACE								
enumeration	BIKE_RACE								
enumeration	CHARITY_WALK								
Source	<pre><xs:simpleType name="athleticEventType"> <xs:restriction base="xs:string"> <xs:enumeration value="MARATHON" /> <xs:enumeration value="ROAD_RACE" /> <xs:enumeration value="BIKE_RACE" /> <xs:enumeration value="CHARITY_WALK" /> </xs:restriction> </xs:simpleType></pre>								

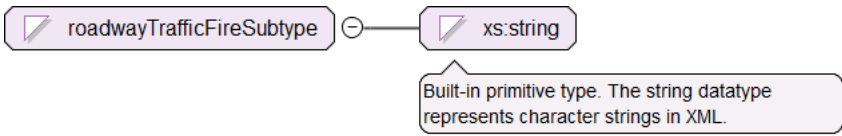
Simple Type unplannedEventCategory

Diagram					
Type	restriction of xs:string				
Facets	<table><tr><td>enumeration</td><td>ROADWAY_TRAFFIC</td></tr><tr><td>enumeration</td><td>ACTS_OF_NATURE</td></tr></table>	enumeration	ROADWAY_TRAFFIC	enumeration	ACTS_OF_NATURE
enumeration	ROADWAY_TRAFFIC				
enumeration	ACTS_OF_NATURE				
Used by	Attribute unplannedEvent/@category				
Source	<pre><xs:simpleType name="unplannedEventCategory"> <xs:restriction base="xs:string"> <xs:enumeration value="ROADWAY_TRAFFIC" /> <xs:enumeration value="ACTS_OF_NATURE" /> </xs:restriction> </xs:simpleType></pre>				

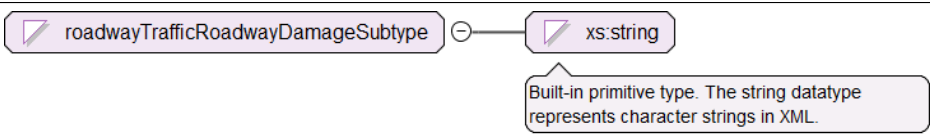
Simple Type roadwayTrafficType

Diagram															
Type	restriction of xs:string														
Facets	<table border="1"> <tr><td>enumeration</td><td>CRASH</td></tr> <tr><td>enumeration</td><td>DISABLED_MOTOR_VEHICLE</td></tr> <tr><td>enumeration</td><td>FIRE</td></tr> <tr><td>enumeration</td><td>ROADWAY_DAMAGE</td></tr> <tr><td>enumeration</td><td>ROADWAY_OBSTRUCTION</td></tr> <tr><td>enumeration</td><td>CONGESTION</td></tr> <tr><td>enumeration</td><td>GENERAL_ROADWAY/TRAFFIC</td></tr> </table>	enumeration	CRASH	enumeration	DISABLED_MOTOR_VEHICLE	enumeration	FIRE	enumeration	ROADWAY_DAMAGE	enumeration	ROADWAY_OBSTRUCTION	enumeration	CONGESTION	enumeration	GENERAL_ROADWAY/TRAFFIC
enumeration	CRASH														
enumeration	DISABLED_MOTOR_VEHICLE														
enumeration	FIRE														
enumeration	ROADWAY_DAMAGE														
enumeration	ROADWAY_OBSTRUCTION														
enumeration	CONGESTION														
enumeration	GENERAL_ROADWAY/TRAFFIC														
Used by	Attribute roadwayTrafficSpecifics/@type														
Source	<pre> <xs:simpleType name="roadwayTrafficType"> <xs:restriction base="xs:string"> <xs:enumeration value="CRASH"/> <xs:enumeration value="DISABLED_MOTOR_VEHICLE"/> <xs:enumeration value="FIRE"/> <xs:enumeration value="ROADWAY_DAMAGE"/> <xs:enumeration value="ROADWAY_OBSTRUCTION"/> <xs:enumeration value="CONGESTION"/> <xs:enumeration value="GENERAL_ROADWAY/TRAFFIC"/> </xs:restriction> </xs:simpleType> </pre>														

Simple Type roadwayTrafficFireSubtype

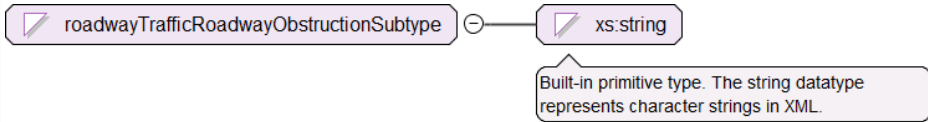
Diagram							
Type	restriction of xs:string						
Facets	<table border="1"> <tr><td>enumeration</td><td>VEHICLE_FIRE</td></tr> <tr><td>enumeration</td><td>FACILITY_FIRE_AFFEC- TING_ROADWAY</td></tr> <tr><td>enumeration</td><td>BRUSH/FOREST_FIRE</td></tr> </table>	enumeration	VEHICLE_FIRE	enumeration	FACILITY_FIRE_AFFEC- TING_ROADWAY	enumeration	BRUSH/FOREST_FIRE
enumeration	VEHICLE_FIRE						
enumeration	FACILITY_FIRE_AFFEC- TING_ROADWAY						
enumeration	BRUSH/FOREST_FIRE						
Source	<pre> <xs:simpleType name="roadwayTrafficFireSubtype"> <xs:restriction base="xs:string"> <xs:enumeration value="VEHICLE_FIRE"/> <xs:enumeration value="FACILITY_FIRE_AFFECTING_ROADWAY"/> <xs:enumeration value="BRUSH/FOREST_FIRE"/> </xs:restriction> </xs:simpleType> </pre>						

Simple Type roadwayTrafficRoadwayDamageSubtype

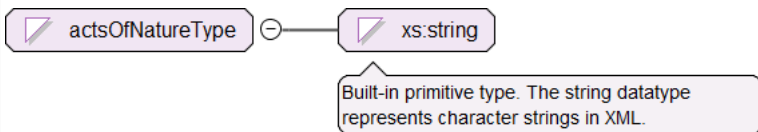
Diagram							
Type	restriction of xs:string						
Facets	<table border="1"> <tr><td>enumeration</td><td>STORM_DAMAGE</td></tr> <tr><td>enumeration</td><td>ROAD_SURFACE_COLLAPSE</td></tr> <tr><td>enumeration</td><td>POTHOLE</td></tr> </table>	enumeration	STORM_DAMAGE	enumeration	ROAD_SURFACE_COLLAPSE	enumeration	POTHOLE
enumeration	STORM_DAMAGE						
enumeration	ROAD_SURFACE_COLLAPSE						
enumeration	POTHOLE						

	enumeration	WATER_DAMAGE
	enumeration	SEWER_DAMAGE
	enumeration	GAS_LEAK
Source	<pre><xs:simpleType name="roadwayTrafficRoadwayDamageSubtype"> <xs:restriction base="xs:string"> <xs:enumeration value="STORM_DAMAGE" /> <xs:enumeration value="ROAD_SURFACE_COLLAPSE" /> <xs:enumeration value="POTHOLE" /> <xs:enumeration value="WATER_DAMAGE" /> <xs:enumeration value="SEWER_DAMAGE" /> <xs:enumeration value="GAS_LEAK" /> </xs:restriction> </xs:simpleType></pre>	

Simple Type roadwayTrafficRoadwayObstructionSubtype

Diagram	<div></div>															
Type	restriction of xs:string															
Facets	<table><tr><td>enumeration</td><td>FALLEN_TREES</td></tr><tr><td>enumeration</td><td>DOWNED_SIGN</td></tr><tr><td>enumeration</td><td>DOWNED_UTILITY_POLE</td></tr><tr><td>enumeration</td><td>DOWNED_POWER_LINE</td></tr><tr><td>enumeration</td><td>DOWNED_CABLES</td></tr><tr><td>enumeration</td><td>CRASH_INVESTIGATION_WORK</td></tr><tr><td>enumeration</td><td>GENERAL_OBSTRUCTION/DE- BRIS</td></tr></table>		enumeration	FALLEN_TREES	enumeration	DOWNED_SIGN	enumeration	DOWNED_UTILITY_POLE	enumeration	DOWNED_POWER_LINE	enumeration	DOWNED_CABLES	enumeration	CRASH_INVESTIGATION_WORK	enumeration	GENERAL_OBSTRUCTION/DE- BRIS
enumeration	FALLEN_TREES															
enumeration	DOWNED_SIGN															
enumeration	DOWNED_UTILITY_POLE															
enumeration	DOWNED_POWER_LINE															
enumeration	DOWNED_CABLES															
enumeration	CRASH_INVESTIGATION_WORK															
enumeration	GENERAL_OBSTRUCTION/DE- BRIS															
Source	<pre><xs:simpleType name="roadwayTrafficRoadwayObstructionSubtype"> <xs:restriction base="xs:string"> <xs:enumeration value="FALLEN_TREES"/> <xs:enumeration value="DOWNED_SIGN"/> <xs:enumeration value="DOWNED_UTILITY_POLE"/> <xs:enumeration value="DOWNED_POWER_LINE"/> <xs:enumeration value="DOWNED_CABLES"/> <xs:enumeration value="CRASH_INVESTIGATION_WORK"/> <xs:enumeration value="GENERAL_OBSTRUCTION/DEBRIS"/> </xs:restriction> </xs:simpleType></pre>															

Simple Type actsOfNatureType

Diagram						
Type	restriction of xs:string					
Facets	<table><tr><td>enumeration</td><td>LOCAL_WEATHER_EVENT</td></tr><tr><td>enumeration</td><td>ADVISORY/WATCH/WARNING</td></tr></table>		enumeration	LOCAL_WEATHER_EVENT	enumeration	ADVISORY/WATCH/WARNING
enumeration	LOCAL_WEATHER_EVENT					
enumeration	ADVISORY/WATCH/WARNING					
Used by	Attribute	actsOfNatureSpecifics/@type				
Source	<pre><xs:simpleType name="actsOfNatureType"> <xs:restriction base="xs:string"> <xs:enumeration value="LOCAL_WEATHER_EVENT" /> <xs:enumeration value="ADVISORY/WATCH/WARNING" /> </xs:restriction> </xs:simpleType></pre>					

Complex Type(s)

Complex Type latlon

Diagram	
Used by	Element locationPoint/Coordinates
Model	Latitude , Longitude
Children	Latitude, Longitude
Source	<pre> <xs:complexType name="latlon"> <xs:sequence> <xs:element name="Latitude"> <xs:simpleType> <xs:restriction base="xs:decimal"> <xs:minInclusive value="-90"/> <xs:maxInclusive value="90"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="Longitude"> <xs:simpleType> <xs:restriction base="xs:decimal"> <xs:minInclusive value="-180"/> <xs:maxInclusive value="180"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type locationPoint

Diagram	
Used by	Elements eventLocation/Point, eventLocation/Range/End, eventLocation/Range/Start, eventLocation/Range/Way-point
Model	RoadwayName , Coordinates
Children	Coordinates, RoadwayName
Source	<pre> <xs:complexType name="locationPoint"> <xs:sequence> <xs:element name="RoadwayName" type="xs:string"> <xs:annotation> <xs:documentation>Name of the roadway for the location including direction (e.g. I-93 NB).</xs:documentation> </xs:annotation> </xs:element> <xs:element name="Coordinates" type="latlon"> <xs:annotation> <xs:documentation>The coordinates of the start/end/decision point.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type eventLocation

Diagram	
Used by	Element event/Location
Model	Point Range Area+
Children	Area, Point, Range
Source	<pre> <xs:complexType name="eventLocation"> <xs:choice> <xs:element name="Point" type="locationPoint"> <xs:annotation> <xs:documentation>The location for a point event.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="Range"> <xs:annotation> <xs:documentation>The location for a range event.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="Start" type="locationPoint"> <xs:annotation> <xs:documentation>The point on the roadway that indicates the beginning of the event.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="Waypoint" type="locationPoint" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>A point on the roadway that indicates a waypoint.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="End" type="locationPoint"> <xs:annotation> <xs:documentation>The point on the roadway that indicates the end of the event.</ xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="Area" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>The name/value of the specific area (type indicated by the type attribute) impacted by an event.</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="type" type="areaEventType" use="required"> <xs:annotation> <xs:documentation>The type of area region impacted by an event.</xs:documentation> </xs:annotation> </xs:attribute> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element> </xs:choice> </xs:complexType> </pre>

Complex Type laneInfo

Diagram	<p>The diagram shows the structure of the laneInfo complex type. It is a sequence of two elements: Direction and LanesAffected. Both elements are of type xs:string and are required (indicated by a '+' sign). A callout for Direction explains the convention for lane directions (e.g., NNN for three northbound lanes). A callout for LanesAffected explains the representation of open (X) and closed (O) lanes.</p>
Used by	Element event/LaneInfo
Model	Direction , LanesAffected
Children	Direction, LanesAffected
Source	<pre> <xs:complexType name="laneInfo"> <xs:sequence> <xs:element name="Direction" type="xs:string"> <xs:annotation> <xs:documentation>The direction for each lane on the start roadway, including both direction of travel for bidirection roadways; e.g. NNN from three northbound lanes and SSSNNN for three southbound lanes and three northbound lanes. The convention is: - For northbound lanes, the first letter indicates the leftmost travel lane, which is closest to the median; - For southbound lanes, the first letter indicates the rightmost lane, which is closest to entry and exit ramps; - For eastbound lanes, the first letter indicates the leftmost travel lane, which is closest to the median; - For westbound lanes, the first letter indicates the rightmost lane, which is closest to entry and exit ramps.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="LanesAffected" type="xs:string"> <xs:annotation> <xs:documentation>Lanes affected, where open lanes will be represented by X and closed lanes by O. For example, if the rightmost two lanes are closed, then the string will be OOOOXX.</ xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type eventOccurence

Diagram	<p>The diagram shows the structure of the eventOccurence complex type. It is a sequence of two elements: StartDateTime and EndDateTime. Both elements are of type xs:dateTime and are required (indicated by a '+' sign). Callouts explain that StartDateTime is the start Date/Time for the occurrence and EndDateTime is the end Date/Time for the occurrence.</p>
Used by	Element plannedEvent/Occurrences/Occurrence
Model	StartDateTime , EndDateTime
Children	EndDateTime, StartDateTime
Source	<pre> <xs:complexType name="eventOccurence"> <xs:sequence> <xs:element name="StartDateTime" type="xs:dateTime"> <xs:annotation> <xs:documentation>The start Date/Time for the occurrence.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="EndDateTime" type="xs:dateTime"> <xs:annotation> <xs:documentation>The end Date/Time for the occurrence.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </pre>

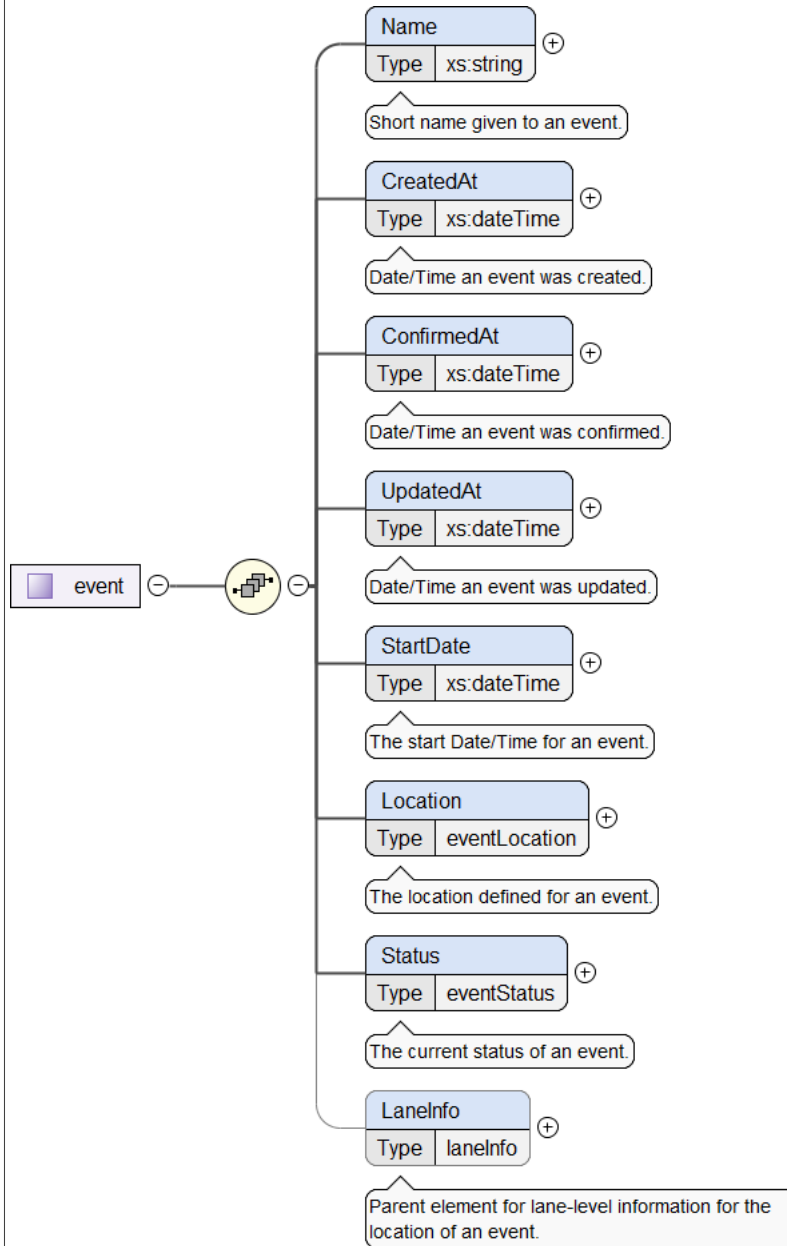
```

</xs:annotation>
</xs:element>
</xs:sequence>
</xs:complexType>

```

Complex Type event

Diagram



Used by Complex Types plannedEvent, unplannedEvent

Model Name , CreatedAt , ConfirmedAt , UpdatedAt , StartDate , Location , Status , LaneInfo{0,1}

Children ConfirmedAt, CreatedAt, LaneInfo, Location, Name, StartDate, Status, UpdatedAt

Source

```

<xs:complexType name="event">
  <xs:sequence>
    <xs:element name="Name" type="xs:string">
      <xs:annotation>
        <xs:documentation>Short name given to an event.</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="CreatedAt" type="xs:dateTime">
      <xs:annotation>
        <xs:documentation>Date/Time an event was created.</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="ConfirmedAt" type="xs:dateTime">

```

```

<xs:annotation>
  <xs:documentation>Date/Time an event was confirmed.</xs:documentation>
</xs:annotation>
</xs:element>
<xs:element name="UpdatedAt" type="xs:dateTime">
  <xs:annotation>
    <xs:documentation>Date/Time an event was updated.</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="StartDate" type="xs:dateTime">
  <xs:annotation>
    <xs:documentation>The start Date/Time for an event.</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="Location" type="eventLocation">
  <xs:annotation>
    <xs:documentation>The location defined for an event.</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="Status" type="eventStatus">
  <xs:annotation>
    <xs:documentation>The current status of an event.</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="LaneInfo" type="laneInfo" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Parent element for lane-level information for the location of an event.</
xs:documentation>
  </xs:annotation>
</xs:element>
</xs:sequence>
</xs:complexType>

```

Complex Type constructionMaintenanceSpecifics

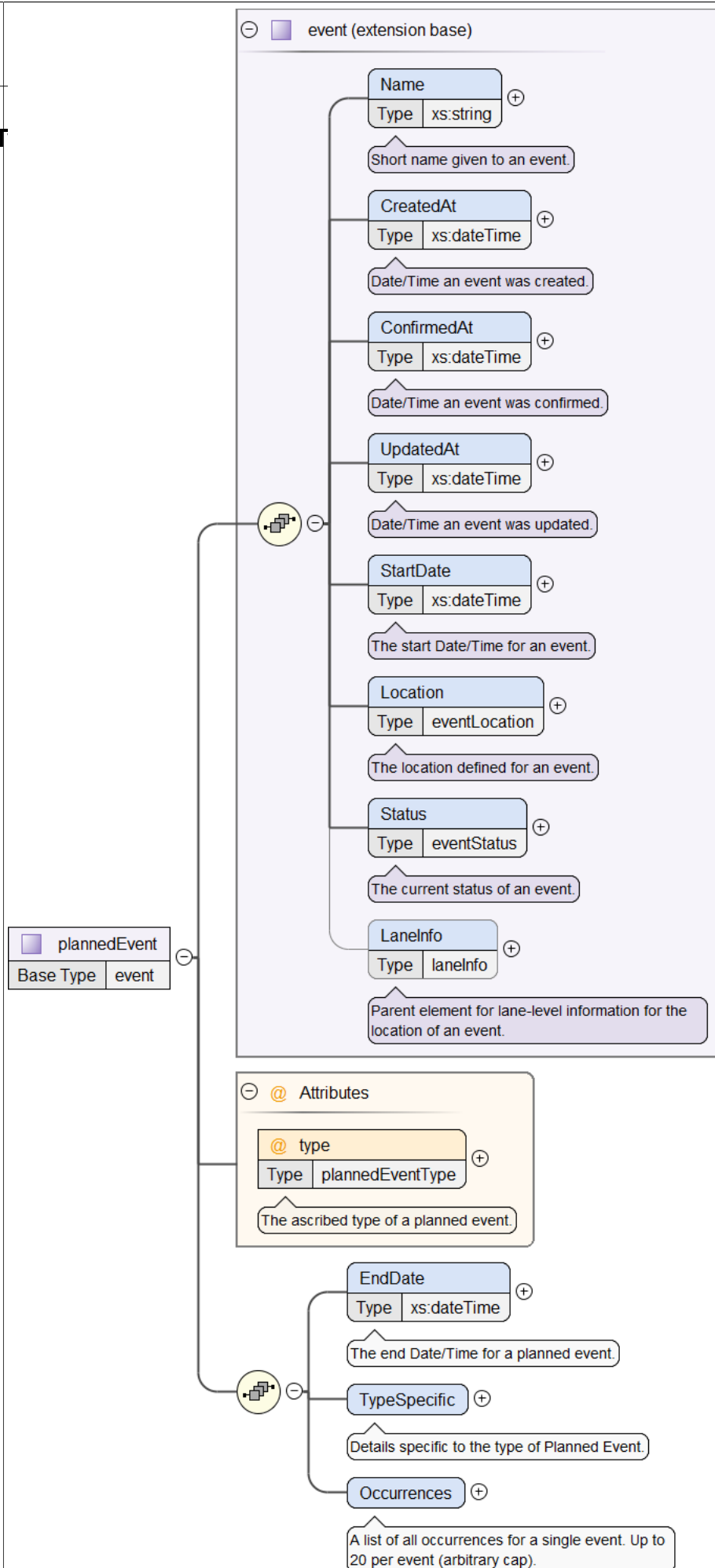
Diagram																
Attributes	<table><thead><tr><th>QName</th><th>Type</th><th>Use</th><th></th></tr></thead><tbody><tr><td>subtype</td><td>constructionMaintenanceType</td><td>required</td><td></td></tr><tr><td></td><td colspan="3">The ascribed subtype of a Planned Event.</td></tr></tbody></table>	QName	Type	Use		subtype	constructionMaintenanceType	required			The ascribed subtype of a Planned Event.					
QName	Type	Use														
subtype	constructionMaintenanceType	required														
	The ascribed subtype of a Planned Event.															
Source	<pre><xs:complexType name="constructionMaintenanceSpecifics"> <xs:attribute name="subtype" type="constructionMaintenanceType" use="required"> <xs:annotation> <xs:documentation>The ascribed subtype of a Planned Event.</xs:documentation> </xs:annotation> </xs:attribute> </xs:complexType></pre>															

Complex Type specialEventSpecifics

Diagram				
Model	SpecialEventCharacteristics{0,1}			

Children	SpecialEventCharacteristics			
Attributes	QName	Type	Use	
	subtype	specialEventType	required	
		The ascribed subtype of a Planned Event.		
Source	<pre><xs:complexType name="specialEventSpecifics"> <xs:sequence> <xs:element name="SpecialEventCharacteristics" type="xs:string" minOccurs="0"> <xs:annotation> <xs:documentation>The characteristics specific to a Special Event.</xs:documentation> </xs:annotation> <xs:alternative test="@subtype = 'STADIUM/ARENA_EVENT'" type="stadiumArenaEventType"/> <xs:alternative test="@subtype = 'OUTDOOR_EVENT'" type="outdoorEventType"/> <xs:alternative test="@subtype = 'ATHLETIC_EVENT'" type="athleticEventType"/> </xs:element> </xs:sequence> <xs:attribute name="subtype" type="specialEventType" use="required"> <xs:annotation> <xs:documentation>The ascribed subtype of a Planned Event.</xs:documentation> </xs:annotation> </xs:attribute> </xs:complexType></pre>			

Complex T



Type	extension of event			
Type hierarchy	<ul style="list-style-type: none"> event plannedEvent 			
Used by	Element EventsFeed/Events/PlannedEvent			
Model	Name , CreatedAt , ConfirmedAt , UpdatedAt , StartDate , Location , Status , LaneInfo{0,1} , EndDate , TypeSpecific , Occurrences			
Children	ConfirmedAt, CreatedAt, EndDate, LaneInfo, Location, Name, Occurrences, StartDate, Status, TypeSpecific, UpdatedAt			
Attributes	QName	Type	Use	
	type	plannedEventType	required	
	The ascribed type of a planned event.			
Source	<pre> <xs:complexType name="plannedEvent"> <xs:complexContent> <xs:extension base="event"> <xs:sequence> <xs:element name="EndDate" type="xs:dateTime"> <xs:annotation> <xs:documentation>The end Date/Time for a planned event.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="TypeSpecific"> <xs:annotation> <xs:documentation>Details specific to the type of Planned Event.</xs:documentation> </xs:annotation> <xs:alternative test="@type = 'CONSTRUCTION/MAINTENANCE'" type="constructionMaintenanceSpecifics"/> <xs:alternative test="@type = 'SPECIAL_EVENT'" type="specialEventSpecifics"/> </xs:element> <xs:element name="Occurrences"> <xs:annotation> <xs:documentation>A list of all occurrences for a single event. Up to 20 per event (arbitrary cap).</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence maxOccurs="20"> <xs:element name="Occurrence" type="eventOccurrence"> <xs:annotation> <xs:documentation>A single occurrence of a reurring event.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </xs:sequence> <xs:attribute name="type" type="plannedEventType" use="required"> <xs:annotation> <xs:documentation>The ascribed type of a planned event.</xs:documentation> </xs:annotation> </xs:attribute> </xs:extension> </xs:complexContent> </xs:complexType> </pre>			

Complex Type advisoryWatchWarningCharacteristics

Diagram	<p>The diagram illustrates the structure of the <code>advisoryWatchWarningCharacteristics</code> complex type. It is a sequence of the following elements:</p> <ul style="list-style-type: none"> ID (Type: <code>xs:integer</code>): An identifier for the specific weather category, event, and location. Category (Type: Restriction of <code>'xs:string'</code>): The category of the advisory/watch/warning, (either ADVISORY, WATCH, or WARNING). EventType (Type: <code>xs:string</code>): The type of weather event (e.g. Tornado, Hurricane). Location (Type: <code>xs:string</code>, Occurs: 1..∞): The specified location of the advisory/watch/warning. This could be a county name, 'STATEWIDE', or many county names. StartDateTime (Type: <code>xs:dateTime</code>): The specified start time for the advisory/watch/warning. EndDateTime (Type: <code>xs:dateTime</code>): The specified end time for the advisory/watch/warning.
Used by	Element <code>actsOfNatureSpecifics/Characteristics</code>
Model	ID , Category , EventType , Location+ , StartDateTime , EndDateTime
Children	Category, EndDateTime, EventType, ID, Location, StartDateTime
Source	<pre> <xs:complexType name="advisoryWatchWarningCharacteristics"> <xs:sequence> <xs:element name="ID" type="xs:integer"> <xs:annotation> <xs:documentation>An identifier for the specific weather category, event, and location.</xs:documentation> </xs:annotation> </xs:element> <!-- ensure this is described in the docs --> <xs:element name="Category"> <xs:annotation> <xs:documentation>The category of the advisory/watch/warning, (either ADVISORY, WATCH, or WARNING).</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="ADVISORY"/> <xs:enumeration value="WATCH"/> <xs:enumeration value="WARNING"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="EventType" type="xs:string"> <xs:annotation> <xs:documentation>The type of weather event (e.g. Tornado, Hurricane).</xs:documentation> </xs:annotation> </xs:element> <xs:element name="Location" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>The specified location of the advisory/watch/warning. This could be a county name, 'STATEWIDE', or many county names.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="StartDateTime" type="xs:dateTime"> <xs:annotation> <xs:documentation>The specified start time for the advisory/watch/warning.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="EndDateTime" type="xs:dateTime"> </pre>

```

<xs:annotation>
  <xs:documentation>The specified end time for the advisory/watch/warning.</xs:documentation>
</xs:annotation>
</xs:element>
</xs:sequence>
</xs:complexType>

```

Complex Type roadwayTrafficCharacteristics

Diagram	
Used by	Element roadwayTrafficSpecifics/Characteristics
Model	HasSpeedRestriction , IsWithinWorkZone , IsBoreClosureRequired
Children	HasSpeedRestriction, IsBoreClosureRequired, IsWithinWorkZone
Source	<pre> <xs:complexType name="roadwayTrafficCharacteristics"> <xs:sequence> <xs:element name="HasSpeedRestriction" type="xs:boolean"> <xs:annotation> <xs:documentation>Specifies if there is a speed restriction associated with the event.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="IsWithinWorkZone" type="xs:boolean"> <xs:annotation> <xs:documentation>Specifies if the event is within a work zone.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="IsBoreClosureRequired" type="xs:boolean"> <xs:annotation> <xs:documentation>Specifies if there is a bore closure required for the event.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type roadwayTrafficSpecifics

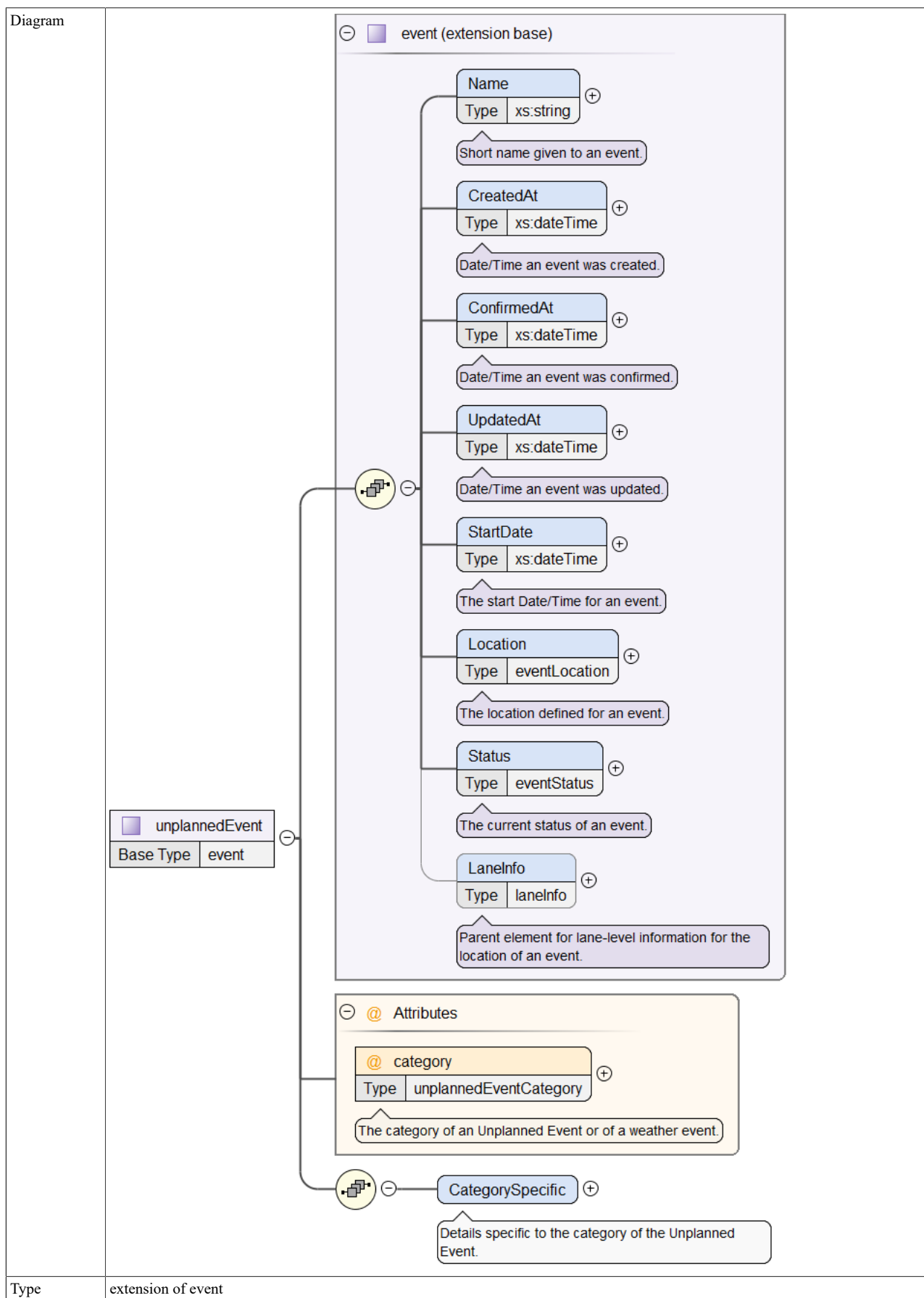
Diagram	
---------	--

Model	Subtype , Characteristics{0,1}			
Children	Characteristics, Subtype			
Attributes	QName	Type	Use	
	type	roadwayTrafficType	required	
	The type of the Unplanned Event.			
Source	<pre> <xs:complexType name="roadwayTrafficSpecifics"> <xs:sequence> <xs:element name="Subtype" type="xs:string"> <xs:annotation> <xs:documentation>The ascribed sub-type of the ROADWAY/TRAFFIC Unplanned Event.</ </xs:documentation> </xs:element> <xs:alternative test="@type = 'FIRE'" type="roadwayTrafficFireSubtype"/> <xs:alternative test="@type = 'ROADWAY_DAMAGE'" type="roadwayTrafficRoadwayDamageSubtype"/> <xs:alternative test="@type = 'ROADWAY_OBSTRUCTION'" type="roadwayTrafficRoadwayObstructionSubtype"/> </xs:element> <xs:element name="Characteristics" type="roadwayTrafficCharacteristics" minOccurs="0"> <xs:annotation> <xs:documentation>The specific characteristics of a ROADWAY/TRAFFIC Unplanned Event.</ </xs:documentation> </xs:element> </xs:sequence> <xs:attribute name="type" type="roadwayTrafficType" use="required"> <xs:annotation> <xs:documentation>The type of the Unplanned Event.</xs:documentation> </xs:annotation> </xs:attribute> </xs:complexType> </pre>			

Complex Type actsOfNatureSpecifics

Diagram				
Model	Characteristics{0,1}			
Children	Characteristics			
Attributes	QName	Type	Use	
	type	actsOfNatureType	required	
	The type of the Unplanned Event.			
Source	<pre> <xs:complexType name="actsOfNatureSpecifics"> <xs:sequence> <xs:element name="Characteristics" type="advisoryWatchWarningCharacteristics" minOccurs="0"> <xs:annotation> <xs:documentation>The specific characteristics of an ACTS_OF_NATURE Unplanned Event.</ </xs:documentation> </xs:element> </xs:sequence> <xs:attribute name="type" type="actsOfNatureType" use="required"> <xs:annotation> <xs:documentation>The type of the Unplanned Event.</xs:documentation> </xs:annotation> </xs:attribute> </xs:complexType> </pre>			

Complex Type `unplannedEvent`



Type hierarchy	<ul style="list-style-type: none"> event unplannedEvent 			
Used by	Element EventsFeed/Events/UnplannedEvent			
Model	Name , CreatedAt , ConfirmedAt , UpdatedAt , StartDate , Location , Status , LaneInfo{0,1} , CategorySpecific			
Children	CategorySpecific, ConfirmedAt, CreatedAt, LaneInfo, Location, Name, StartDate, Status, UpdatedAt			
Attributes	QName	Type	Use	
	category	unplannedEventCategory	required	
	The category of an Unplanned Event or of a weather event.			
Source	<pre> <xs:complexType name="unplannedEvent"> <xs:complexContent> <xs:extension base="event"> <xs:sequence> <xs:element name="CategorySpecific"> <xs:annotation> <xs:documentation>Details specific to the category of the Unplanned Event.</ xs:documentation> </xs:annotation> <xs:alternative test="@category = 'ROADWAY/TRAFFIC'" type="roadwayTrafficSpecifics"/> <xs:alternative test="@category = 'ACTS_OF_NATURE'" type="actsOfNatureSpecifics"/> </xs:element> </xs:sequence> <xs:attribute name="category" type="unplannedEventCategory" use="required"> <xs:annotation> <xs:documentation>The category of an Unplanned Event or of a weather event.</ xs:documentation> </xs:annotation> </xs:attribute> </xs:extension> </xs:complexContent> </xs:complexType> </pre>			

Attribute(s)

Attribute eventLocation / Area / @type

Annotations	The type of area region impacted by an event.	
Type	areaEventType	
Properties	use:	required
Facets	enumeration	TOWN
	enumeration	COUNTY
	enumeration	SUBDISTRICT
	enumeration	DISTRICT
	enumeration	STATEWIDE
Used by	Element	eventLocation/Area
Source	<pre><xs:attribute name="type" type="areaEventType" use="required"> <xs:annotation> <xs:documentation>The type of area region impacted by an event.</xs:documentation> </xs:annotation> </xs:attribute></pre>	

Attribute constructionMaintenanceSpecifics / @subtype

Annotations	The ascribed subtype of a Planned Event.		
Type	constructionMaintenanceType		
Properties	use:	required	
Facets	enumeration	ROADWAY_ACTIVITY	
	enumeration	BRIDGE_ACTIVITY	
	enumeration	TUNNEL_ACTIVITY	
	enumeration	FACILITY_ACTIVITY	
	enumeration	UTILITY_ACTIVITY	

Used by	Complex Type constructionMaintenanceSpecifics
Source	<pre><xs:attribute name="subtype" type="constructionMaintenanceType" use="required"> <xs:annotation> <xs:documentation>The ascribed subtype of a Planned Event.</xs:documentation> </xs:annotation> </xs:attribute></pre>

Attribute specialEventSpecifics / @subtype

Annotations	The ascribed subtype of a Planned Event.
Type	specialEventType
Properties	use: required
Facets	enumeration STADIUM/ARENA_EVENT
	enumeration OUTDOOR_EVENT
	enumeration VIP_VISIT
	enumeration ATHLETIC_EVENT
	enumeration FUNERAL_PROCESSION
	enumeration TRAINING/DRILL
	enumeration OTHER
Used by	Complex Type specialEventSpecifics
Source	<pre><xs:attribute name="subtype" type="specialEventType" use="required"> <xs:annotation> <xs:documentation>The ascribed subtype of a Planned Event.</xs:documentation> </xs:annotation> </xs:attribute></pre>

Attribute plannedEvent / @type

Annotations	The ascribed type of a planned event.
Type	plannedEventType
Properties	use: required
Facets	enumeration CONSTRUCTION/MAINTENANCE
	enumeration SPECIAL_EVENT
Used by	Complex Type plannedEvent
Source	<pre><xs:attribute name="type" type="plannedEventType" use="required"> <xs:annotation> <xs:documentation>The ascribed type of a planned event.</xs:documentation> </xs:annotation> </xs:attribute></pre>

Attribute roadwayTrafficSpecifics / @type

Annotations	The type of the Unplanned Event.
Type	roadwayTrafficType
Properties	use: required
Facets	enumeration CRASH
	enumeration DISABLED_MOTOR_VEHICLE
	enumeration FIRE
	enumeration ROADWAY_DAMAGE
	enumeration ROADWAY_OBSTRUCTION
	enumeration CONGESTION
	enumeration GENERAL_ROADWAY/TRAFFIC
Used by	Complex Type roadwayTrafficSpecifics
Source	<pre><xs:attribute name="type" type="roadwayTrafficType" use="required"> <xs:annotation></pre>

```
<xs:documentation>The type of the Unplanned Event.</xs:documentation>
</xs:annotation>
</xs:attribute>
```

Attribute actsOfNatureSpecifics / @type

Annotations	The type of the Unplanned Event.	
Type	actsOfNatureType	
Properties	use:	required
Facets	enumeration	LOCAL_WEATHER_EVENT
	enumeration	ADVISORY/WATCH/WARNING
Used by	Complex Type	actsOfNatureSpecifics
Source	<pre><xs:attribute name="type" type="actsOfNatureType" use="required"> <xs:annotation> <xs:documentation>The type of the Unplanned Event.</xs:documentation> </xs:annotation> </xs:attribute></pre>	

Attribute unplannedEvent / @category

Annotations	The category of an Unplanned Event or of a weather event.	
Type	unplannedEventCategory	
Properties	use:	required
Facets	enumeration	ROADWAY/TRAFFIC
	enumeration	ACTS_OF_NATURE
Used by	Complex Type	unplannedEvent
Source	<pre><xs:attribute name="category" type="unplannedEventCategory" use="required"> <xs:annotation> <xs:documentation>The category of an Unplanned Event or of a weather event.</xs:documentation> </xs:annotation> </xs:attribute></pre>	