OGC Change Request

**Application Domain Extension of CityGML Tunnel Model**

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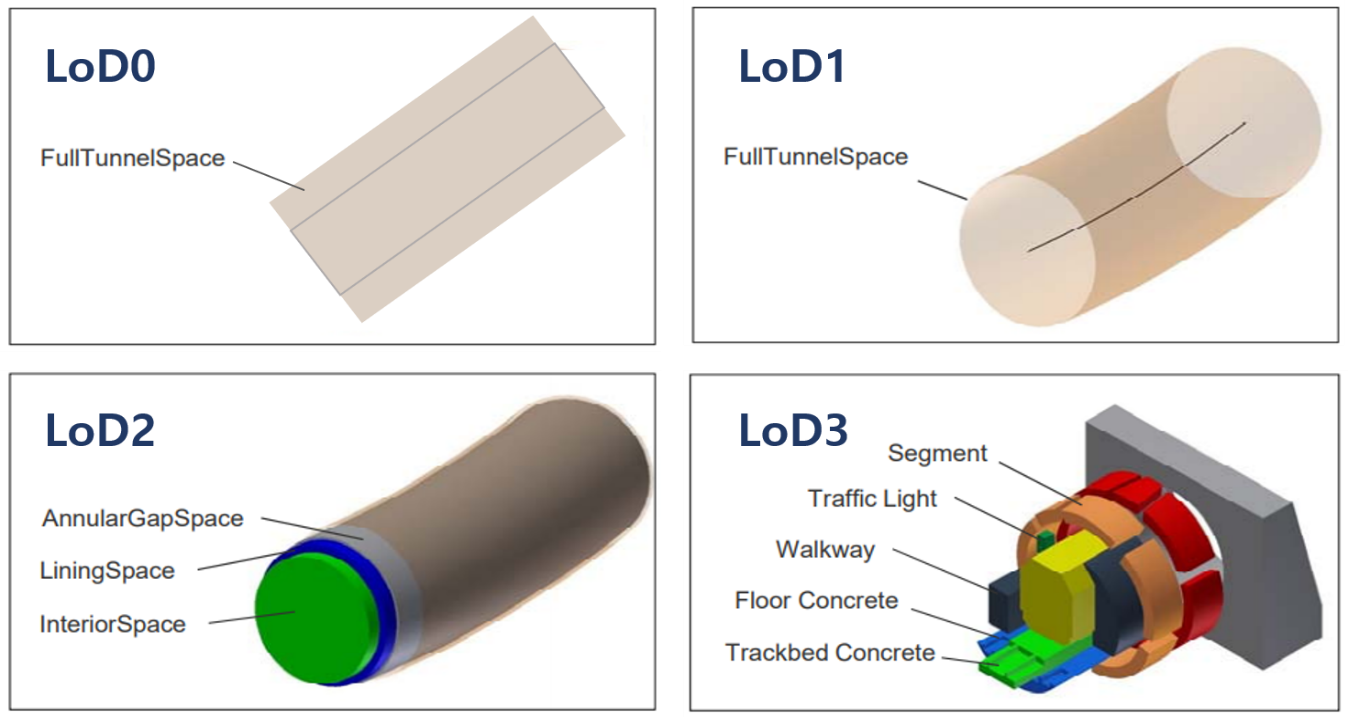
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In this study, we establish a 3D data model of underground structures on transportation (Underpass, Subway track) utilities that applies international spatial information standards correspondingly, and we design a data model based on this model to improve the systematic construction and management of underground structures data and its accuracy and quality. it is expected that the 3D data model for underground structures with improved consistency with the real world for both above-ground and underground spaces will improve the accuracy and utilization of existing underground data.

In this study, international standards related to 3D data models were compared and analyzed. In order to select comparison targets, LandInfra, INSPIRE, IFC-Tunnel Project, ArcGIS-HIFLD, CityGML3.0-Tunnel Model, which are typically used in relation to tunnel models, were investigated. The criteria used for comparison between models are Geometry, Topology, Texturing, LoD, Semantic, attributes, versioning, and sensor.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Div | LandInfra | INSPIRE | IFC-Tunnel  Project | ArcGIS-  HIFLD | CityGML3.0-Tunnel Model |
| Geometry | ● | ▲ | ● | ▲ | ● |
| Topology | ▲ | ▲ | ▲ | X | ● |
| Texture | X | X | X | X | ▲ |
| LOD | X | X | X | X | ▲ |
| Semantic | ▲ | ▲ | ● | X | ● |
| Attributes | ▲ | ▲ | ▲ | ● | ● |
| Versioning | X | X | X | ▲ | ● |
| sensor | X | X | X | X | ● |
| X : Not supported, ▲ : Supported, ● : Extended support | | | | | |

International standard reference models for expressing 3D tunnel data model were compared and reviewed, and as a result, CityGML 3.0 Tunnel Model was judged as the most suitable data model standard and selected. Unlike the existing CityGML 2.0, CityGML 3.0 can display history management and sensor information. In addition, LoD can be defined including both indoor and outdoor as well as development of a new facility model for application considering texture and material properties. In addition, it was found that, through the Tummel Model, it is possible to express not only the internal components of the underpass and subway, but also external objects such as segments and spatial objects within the tunnel.

 The Tunnel Model of CityGML 3.0 can express the interior of the room from LoD0 to LoD3 as all LoDs are expressed. Tunnel Model can express space and interior differently depending on the Lod. The tunnel model is divided into the following Figure. This was extended by citing the study of A. Borrmann et al. (2013).

In the existing CityGML 3.0 Tunnel model, the included object and attribute information is insufficient, so an extension procedure tailored to the characteristics of Korea should be performed. Therefore, in order to build a three-dimensional traffic data model, it is necessary to derive standard elements for extension of underpasses and subway lines. To this end, a demand survey was conducted for experts in the relevant field, and standard elements necessary to expand the 3D traffic data model were derived.

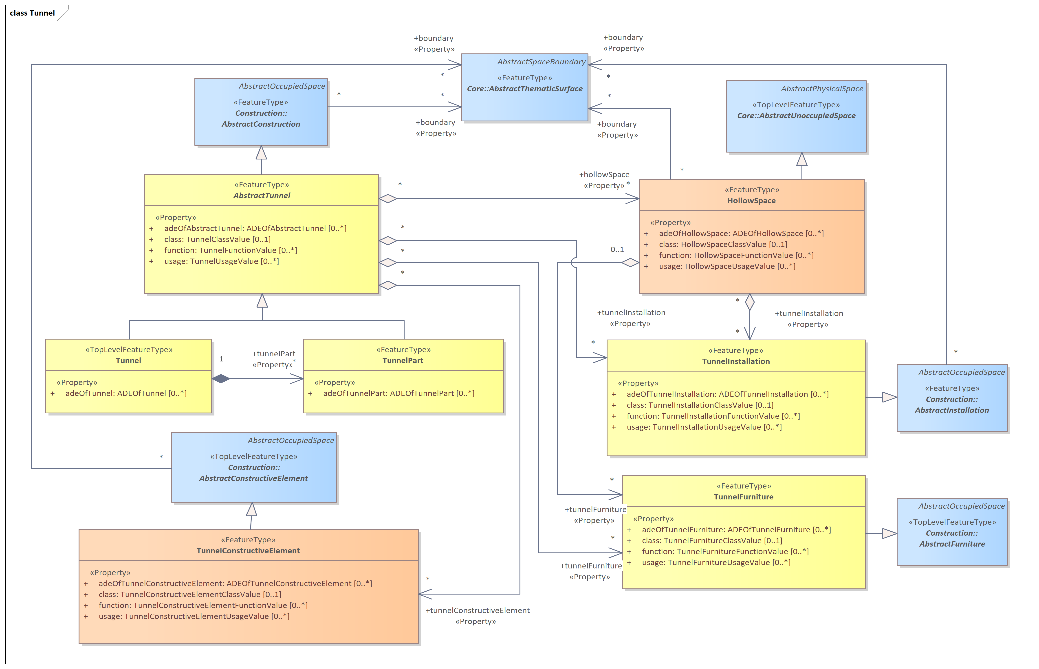
|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Source | Properties | Data type |  | Source | Properties | Data type |
| Space | shelter ID | Integer |  | Space | drainage Length | Double |
| shelter Name | CharacterString | drainage Width | Double |
| shelter Area | Integer | drainage Area | Double |
| shelter Texture | CodeList | drainage Texture | CodeList |
| Sidewalk ID | Integer | emergency Parking Lot ID | Integer |
| sidewalk Name | CharacterString | emergency Parking Lot Name | CharacterString |
| sidewalk Length | Double | emergency Parking Lot Area | Integer |
| sidewalk Width | Double | emergency Parking Lot Texture | CodeList |
| sidewalk Area | Double | segment Section | Integer |
| sidewalk Texture | CodeList | segment Thickness | Integer |
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| drainage Name | CharacterString |  |  |

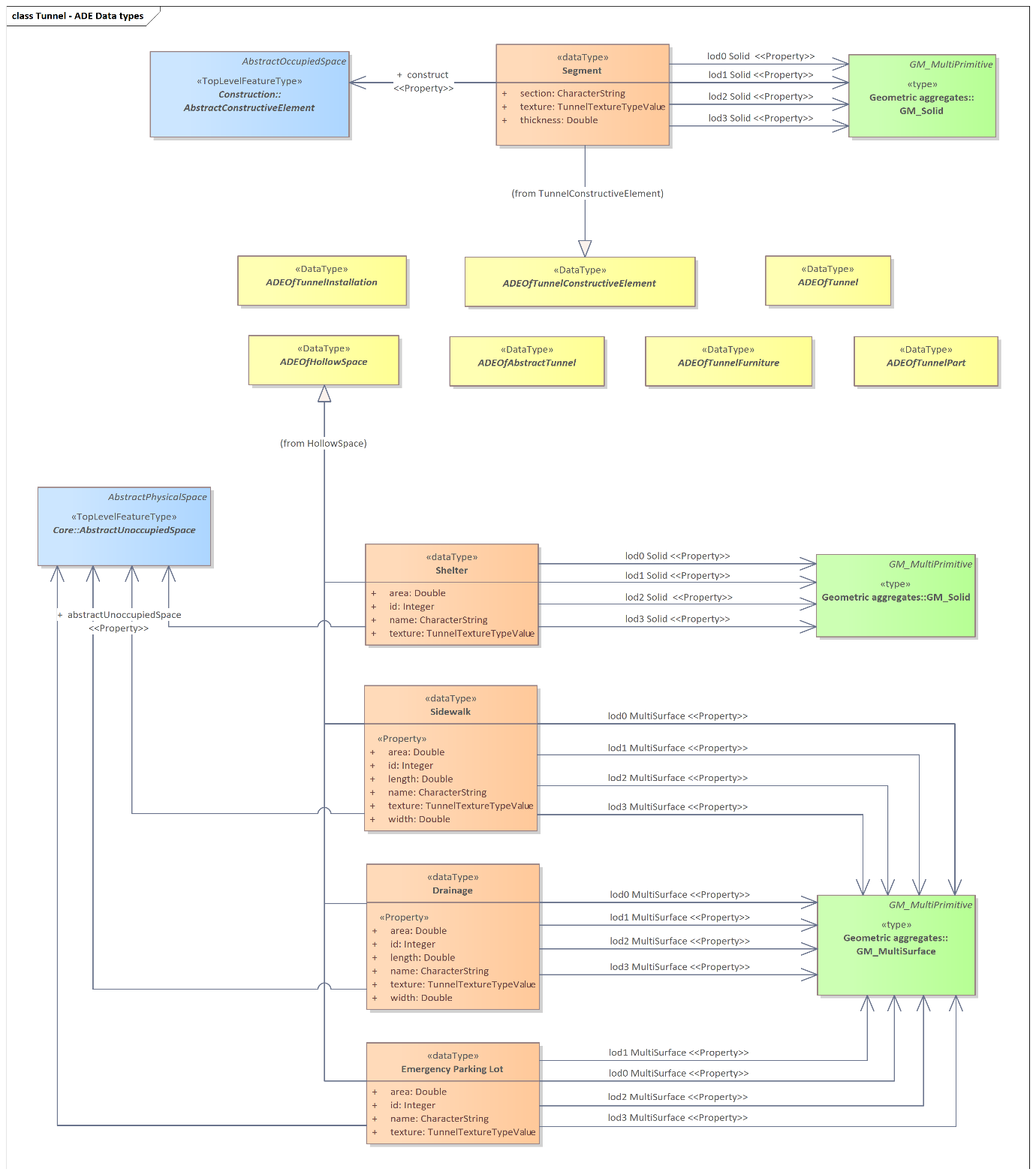
|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Source | Properties | Data type |  | Source | Properties | Data type |
| Facility | pipeline facility | CodeList |  | Facility | warning system | CodeList |
| pipeline | CodeList | fire detector | CodeList |
| fire department connections | CodeList | water spray facility | CodeList |
| cable duct | CodeList | fire extinguishing system | CodeList |
| mole drainage | CodeList | emergency outlet | CodeList |
| lighting equipment | CodeList | emergency power generation | CodeList |
| CCTV | CodeList | uninterruptible Power Supply | CodeList |
| drainageFacility | CodeList | information display system | CodeList |
| drainage pump | CodeList | variable sign | CodeList |
| fire Fighting Facility | CodeList | entry blocking facility | CodeList |
| fire hydrant | CodeList | Stainless | CodeList |
| fire extinguisher | CodeList | cast iron | CodeList |
| evacuation facilities | CodeList | concrete | CodeList |
| exit sign | CodeList | asphalt | CodeList |
| emergency light | CodeList | pavement | CodeList |
| ventilation system | CodeList | cobblestone | CodeList |
| exhaust fan | CodeList | gravel | CodeList |
| jet fan | CodeList | soil | CodeList |
| dust collector | CodeList | sand | CodeList |
| track | CodeList | grass | CodeList |
| railroad | CodeList | wood | CodeList |
| railroad tie | CodeList | steel | CodeList |
| structures in Roadway | CodeList | marble | CodeList |
| streetcar line | CodeList | unknown | CodeList |
| feeder | CodeList |  |  |
| bracket | CodeList |  |  |
| fault Protective Wire | CodeList |  |  |

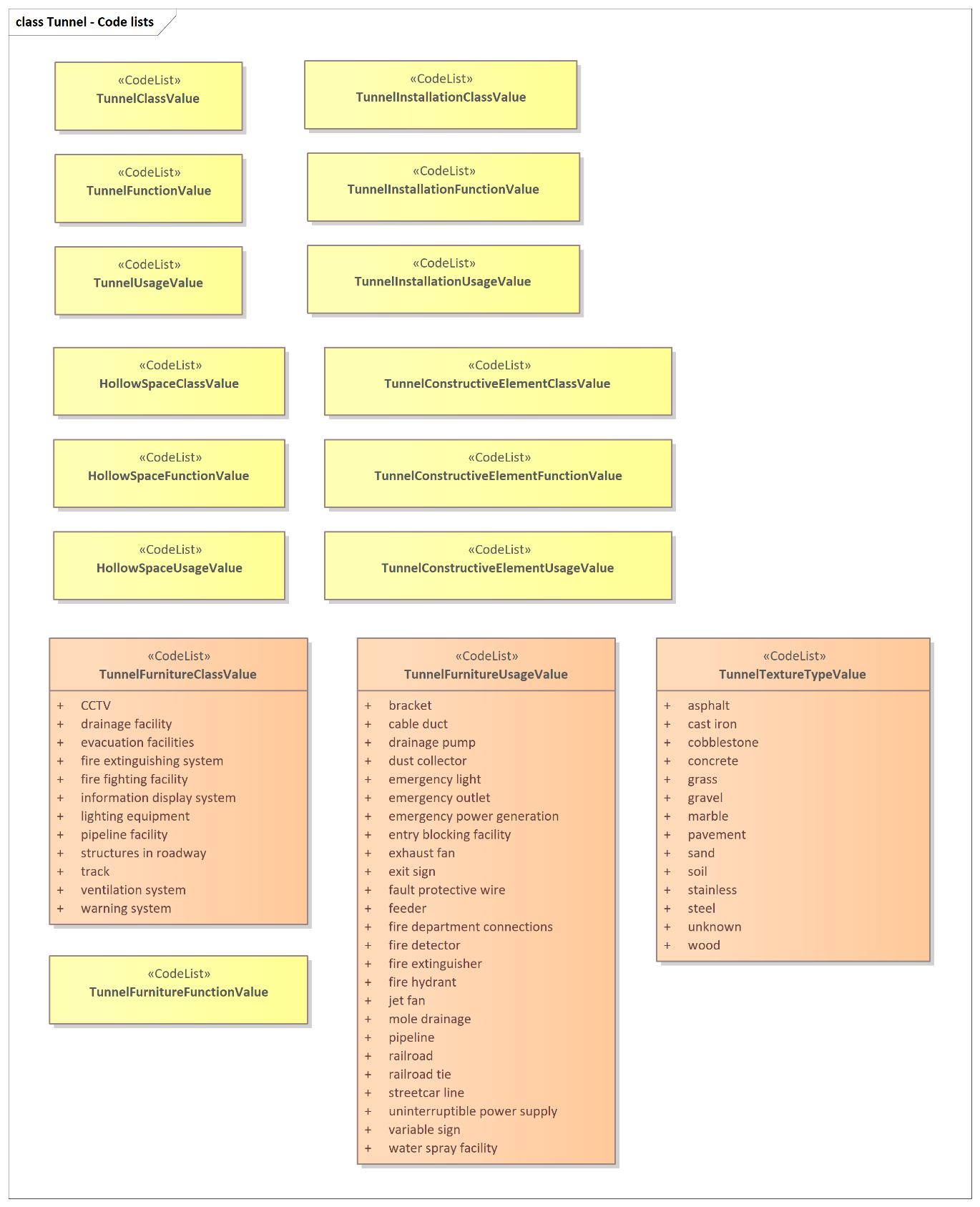
Based on the derived properties, a mapping process was performed to reflect the CityGML 3.0 Tunnel Model. The common items of the underpass and subway tracks were extracted and divided into spaces and facilities, and the shelter, sidewalk, drain, and emergency parking lot separated by space were <<featureType>> HollowSpace. , and the segment is mapped to <<featureType>> TunnelConstructiveElement.

All items classified as facilities were mapped to <<CodeList>> TunnelFurniture. Lighting equipment and CCTV are composed of a single object. Pipeline facility means a kind of facility installed for the flow of liquid or gas, and consists of a common pipe, a connecting water pipe, a cable pipe, and a culvert. Drainage facility means a facility for lowering the groundwater level or for ventilation, and a drain pump is configured. Fire fighting facility means a machine or facility that uses water or other fire extinguishing agents to extinguish fire, and consists of a fire hydrant, a fire extinguisher, and a water spray device. Evacuation facilities refer to safety facilities designed to temporarily avoid danger or disaster, and include evacuation guiding lights and emergency lighting. Ventilation system refers to a facility that plays a role in planning and designing ventilation facilities in an underground tunnel to provide a smoke control function in an emergency or to purify air pollution in the tunnel. ㆍIt consists of an exhaust blower, a jet pen, and a dust collector. Track refers to infrastructure facilities such as rails and roadbeds operated by railroads, and consists of tracks and sleepers. The track structure refers to all facilities except for the tracks and tracks operated by the railroad, and consists of a catenary, feeder, movable bracket, and non-insulated protection line. A warning system means a facility to notify the occurrence of a fire quickly, and is composed of a fire detector. Fire extinguishing system refers to equipment used for extinguishing fires or for lifesaving activities, and consists of an emergency outlet and an emergency generator. The information display system means a facility that displays information in response to the situation as an information delivery medium, and consists of a variable sign board and an entry blocking facility.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Properties |  | Classes (CityGML) |  |  | Properties |  | Classes (CityGML) |
| Common | shelter | → | <<featureType>>  HollowSpace | Common | segment | → | <<featureType>> TunnelConstructiveElement |
| sidewalk |
| drainage |
| emergency parking lot |
|  |  |  |  |  |  |  |  |  |
|  | Properties |  | CodeList (CityGML) |  |  | Properties |  | CodeList (CityGML) |
| Common | lighting equipment | → | TunnelFurnitureClassValue |  | Underpass | warning system | → | TunnelFurnitureClassValue |
| CCTV | → | TunnelFurnitureClassValue | fire detector | TunnelFurnitureUsageValue |
| pipeline facility | → | TunnelFurnitureClassValue |
| pipeline | TunnelFurnitureUsageValue | fire extinguishing system | → | TunnelFurnitureClassValue |
| fire department connections | TunnelFurnitureUsageValue | emergency outlet | TunnelFurnitureUsageValue |
| cable duct | TunnelFurnitureUsageValue | emergency power generation | TunnelFurnitureUsageValue |
| mole drainage | TunnelFurnitureUsageValue | uninterruptible power supply | TunnelFurnitureUsageValue |
| drainageFacility | → | TunnelFurnitureClassValue | information display system | → | TunnelFurnitureClassValue |
| drainage pump | TunnelFurnitureUsageValue | variable sign | TunnelFurnitureUsageValue |
| fire fighting facility | → | TunnelFurnitureClassValue | entry blocking facility | TunnelFurnitureUsageValue |
| fire hydrant | TunnelFurnitureUsageValue | Railroad | track | → | TunnelFurnitureClassValue |
| fire extinguisher | TunnelFurnitureUsageValue | railroad | TunnelFurnitureUsageValue |
| water spray facility | TunnelFurnitureUsageValue |
| evacuation facilities | → | TunnelFurnitureClassValue | railroad tie | TunnelFurnitureUsageValue |
| exit sign | TunnelFurnitureUsageValue | structures in roadway | → | TunnelFurnitureClassValue |
| emergency light | TunnelFurnitureUsageValue | streetcar line | TunnelFurnitureUsageValue |
| ventilation system | → | TunnelFurnitureClassValue | feeder | TunnelFurnitureUsageValue |
| exhaust fan | TunnelFurnitureUsageValue | bracket | TunnelFurnitureUsageValue |
| jet fan | TunnelFurnitureUsageValue | fault protective wire | TunnelFurnitureUsageValue |
| dust collector | TunnelFurnitureUsageValue |
| Texture | stainless | → | TunnelTextureTypeValue | Texture | soil | → | TunnelTextureTypeValue |
| cast iron | sand |
| concrete | grass |
| asphalt | wood |
| pavement | steel |
| cobblestone | marble |
| gravel | unknown |

Therefore, in this study, Enterprise Architect Version 15.2 was used as the UML production tool. A method of adding the predefined CityGML feature type as an additional attribute of the ADE domain without subclassification was used. The property to be extended is added to the Class Tunnel – ADE Data types presented in CityGML 3.0.





A physical model was developed for visualization expression by the traffic data physical model developed in this study. The physical model was developed by dividing it into an underpass and a subway track, respectively, and visualized including the components suggested in the logical model.

텍스트, 장면, 길, 도로이(가) 표시된 사진

자동 생성된 설명

철로이(가) 표시된 사진

자동 생성된 설명

As a result, as a result of investigating domestic and foreign studies, many data models for 2D spatial information were developed, but it was found that the existing CityGML 3.0 Tunnel model had limitations. Through this study, it is judged that the basis for constructing a 3D underground information integrated map data model has been laid by expanding and reflecting the geometry and properties related to the 3D traffic data model according to the domestic situation.

Annex 1. XML Code

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<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_dst5EE893\_A123\_4ace\_9CE9\_80E585827CB6" name="tunnelFurniture" visibility="public" association="EAID\_1C5EE893\_A123\_4ace\_9CE9\_80E585827CB6" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false" aggregation="shared">

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<generalization xmi:type="uml:Generalization" xmi:id="EAID\_6703982C\_ECE1\_4820\_990D\_040FBC37F61C" general="EAID\_4F1406F0\_73E2\_4d59\_8DC9\_F28C3D58E5C6"/>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_dst31EE75\_FFFA\_4e79\_B8F4\_EC20CB8B6022" name="boundary" visibility="public" association="EAID\_FA31EE75\_FFFA\_4e79\_B8F4\_EC20CB8B6022" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false" aggregation="none">

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</ownedAttribute>

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<packagedElement xmi:type="uml:Association" xmi:id="EAID\_033065B5\_5505\_49c8\_846F\_35E697134F23" visibility="public">

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<packagedElement xmi:type="uml:Association" xmi:id="EAID\_1C5EE893\_A123\_4ace\_9CE9\_80E585827CB6" visibility="public">

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<packagedElement xmi:type="uml:Class" xmi:id="EAID\_81DDA72B\_FCB0\_428d\_8FE5\_56FE776A0710" name="HollowSpaceUsageValue" visibility="public"/>

<packagedElement xmi:type="uml:Class" xmi:id="EAID\_385B097B\_BB31\_47a6\_892E\_BC5FA36EB095" name="Tunnel" visibility="public">

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_6628BA12\_B969\_4cc7\_B61E\_449A29C9FB46" name="adeOfTunnel" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

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<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_dstAB8DFB\_2A96\_41e0\_8278\_512E897C79C5" name="tunnelPart" visibility="public" association="EAID\_93AB8DFB\_2A96\_41e0\_8278\_512E897C79C5" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false" aggregation="composite">

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<upperValue xmi:type="uml:LiteralUnlimitedNatural" xmi:id="EAID\_LI000038\_\_2A96\_41e0\_8278\_512E897C79C5" value="-1"/>

</ownedAttribute>

</packagedElement>

<packagedElement xmi:type="uml:Association" xmi:id="EAID\_93AB8DFB\_2A96\_41e0\_8278\_512E897C79C5" visibility="public">

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<packagedElement xmi:type="uml:Class" xmi:id="EAID\_489E797E\_E2A6\_48e3\_9C49\_CCFF433BA5E6" name="TunnelClassValue" visibility="public"/>

<packagedElement xmi:type="uml:Class" xmi:id="EAID\_CADE8C3F\_C7A9\_46e0\_83FA\_B6597FF4FAAF" name="TunnelConstructiveElement" visibility="public">

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_CEC88C72\_7C91\_4213\_8EF3\_951F1DDBB021" name="adeOfTunnelConstructiveElement" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

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<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_CA954D0F\_0812\_4433\_8524\_7AAE3AFBC491" name="class" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

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<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_48A802BC\_8E19\_4210\_8D9B\_EDBB7A5FC861" name="function" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

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<packagedElement xmi:type="uml:Class" xmi:id="EAID\_85C9204C\_B577\_4a9f\_821C\_0F6D10F5AB89" name="TunnelConstructiveElementClassValue" visibility="public"/>

<packagedElement xmi:type="uml:Class" xmi:id="EAID\_B21BB71F\_0103\_4aaf\_BB7D\_EBFD34421321" name="TunnelConstructiveElementFunctionValue" visibility="public"/>

<packagedElement xmi:type="uml:Class" xmi:id="EAID\_1D08EC4F\_B2D0\_4a82\_A174\_E8D8C6CB815E" name="TunnelConstructiveElementUsageValue" visibility="public"/>

<packagedElement xmi:type="uml:Class" xmi:id="EAID\_7A693B3C\_DE31\_4941\_881E\_E2C8D57493D7" name="TunnelFunctionValue" visibility="public"/>

<packagedElement xmi:type="uml:Class" xmi:id="EAID\_BA0BFCD8\_7313\_41aa\_A49E\_4FEB39F3F640" name="TunnelFurniture" visibility="public">

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_9C0C5058\_5E3D\_4940\_96AC\_8535A4138282" name="adeOfTunnelFurniture" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<type xmi:idref="EAID\_32D42A37\_9927\_40ba\_9574\_098C2D75EC8A"/>

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</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_A837467E\_AD4B\_464d\_AD9F\_BFDDC643FB54" name="class" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<type xmi:idref="EAID\_26B46311\_E2A9\_4fd5\_96D7\_ACD8FDA89CAD"/>

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</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_0DCC1B1F\_6533\_4fdb\_A1C2\_7DCDD2FB9E9E" name="function" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<type xmi:idref="EAID\_EB46A2D5\_D288\_4163\_88C5\_00725183BD17"/>

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</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_239A9044\_2705\_42ae\_916F\_8460B57CDBFC" name="usage" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

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<generalization xmi:type="uml:Generalization" xmi:id="EAID\_BB02A4CA\_5F04\_496e\_9394\_41558A9B0B46" general="EAID\_A8DC7ACD\_0AC9\_4358\_8FF2\_AF0040FB4598"/>

</packagedElement>

<packagedElement xmi:type="uml:Class" xmi:id="EAID\_26B46311\_E2A9\_4fd5\_96D7\_ACD8FDA89CAD" name="TunnelFurnitureClassValue" visibility="public">

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_97A68653\_BB11\_4a25\_96A2\_922EC4E0553B" name="CCTV" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

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</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_4F67CDC1\_554E\_4b2e\_9701\_1AC8F75B311A" name="drainage facility" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

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</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_4871A4D3\_BA0E\_4e3b\_8692\_6C4DD524D9DC" name="evacuation facilities" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

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</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_C6C612EE\_5882\_4758\_BCC4\_BA9166DACF33" name="fire extinguishing system" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

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</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_BD1D0C36\_AA07\_41e3\_BE40\_E53620407F06" name="fire fighting facility" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000069\_AA07\_41e3\_BE40\_E53620407F06" value="1"/>

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</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_ABF3FF1A\_B98D\_4636\_93C0\_D149566B8622" name="information display system" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000071\_B98D\_4636\_93C0\_D149566B8622" value="1"/>

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</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_7886AFDB\_F158\_4c66\_B7F0\_1D7DD0D0E39D" name="lighting equipment" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

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<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_13921665\_EA1D\_481e\_B0DF\_D336E4B57DB3" name="pipeline facility" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

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<upperValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000076\_EA1D\_481e\_B0DF\_D336E4B57DB3" value="1"/>

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<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_0F20DA70\_CD28\_497e\_A18E\_6578B6FEA34B" name="structures in roadway" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000077\_CD28\_497e\_A18E\_6578B6FEA34B" value="1"/>

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</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_B5001B72\_BAD3\_40c1\_B76D\_CE6F94901D74" name="track" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000079\_BAD3\_40c1\_B76D\_CE6F94901D74" value="1"/>

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</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_ED895935\_266C\_4b1d\_830A\_72DF40615896" name="ventilation system" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000081\_266C\_4b1d\_830A\_72DF40615896" value="1"/>

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</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_84F84B77\_DED7\_4b58\_B8B3\_6540F864DC35" name="warning system" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000083\_DED7\_4b58\_B8B3\_6540F864DC35" value="1"/>

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</ownedAttribute>

</packagedElement>

<packagedElement xmi:type="uml:Class" xmi:id="EAID\_EB46A2D5\_D288\_4163\_88C5\_00725183BD17" name="TunnelFurnitureFunctionValue" visibility="public"/>

<packagedElement xmi:type="uml:Class" xmi:id="EAID\_205CDA84\_4131\_4ac3\_A86F\_9B6F1B30DB00" name="TunnelFurnitureUsageValue" visibility="public">

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_48E3155D\_683F\_4078\_A5C0\_A448C6C14C1E" name="bracket" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000085\_683F\_4078\_A5C0\_A448C6C14C1E" value="1"/>

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</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_936B2F6C\_183B\_4c8b\_B86B\_5842471851DC" name="cable duct" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000087\_183B\_4c8b\_B86B\_5842471851DC" value="1"/>

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<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_EC980D6C\_98D2\_4814\_A24E\_0D17F81B8D9A" name="drainage pump" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000089\_98D2\_4814\_A24E\_0D17F81B8D9A" value="1"/>

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</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_C295E9EF\_F258\_4724\_AD3D\_2B8EE59344CE" name="dust collector" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000091\_F258\_4724\_AD3D\_2B8EE59344CE" value="1"/>

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<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_E44F1EA9\_A0EA\_429d\_9970\_9900431278B7" name="emergency light" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000093\_A0EA\_429d\_9970\_9900431278B7" value="1"/>

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<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_45D1C3D3\_73A2\_4892\_B7E2\_334A0A111B15" name="emergency outlet" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000095\_73A2\_4892\_B7E2\_334A0A111B15" value="1"/>

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<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_4E17CBA1\_6126\_4066\_8ED0\_C51ABB02C28A" name="emergency power generation" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000097\_6126\_4066\_8ED0\_C51ABB02C28A" value="1"/>

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<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_F0C2577A\_0BDA\_4010\_BABC\_4C42F0CB88E3" name="entry blocking facility" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000099\_0BDA\_4010\_BABC\_4C42F0CB88E3" value="1"/>

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<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_190D7A11\_C8E9\_4f7e\_93E0\_EDFD97080413" name="exhaust fan" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000101\_C8E9\_4f7e\_93E0\_EDFD97080413" value="1"/>

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<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_346D4145\_0157\_4234\_AD49\_061080236E0A" name="exit sign" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000103\_0157\_4234\_AD49\_061080236E0A" value="1"/>

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<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_D6A6B4A0\_C84A\_4dbc\_A055\_7BBD68CCC62B" name="fault protective wire" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000105\_C84A\_4dbc\_A055\_7BBD68CCC62B" value="1"/>

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<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_4D712897\_FDAB\_41da\_B999\_D062A365E8F8" name="feeder" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000107\_FDAB\_41da\_B999\_D062A365E8F8" value="1"/>

<upperValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000108\_FDAB\_41da\_B999\_D062A365E8F8" value="1"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_C77C22DA\_C0A0\_4d0f\_9E35\_6C140AC5A74C" name="fire department connections" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

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</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_FE424BD1\_1D20\_48d7\_88A2\_2E61DEFC3E62" name="fire detector" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000111\_1D20\_48d7\_88A2\_2E61DEFC3E62" value="1"/>

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</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_41E80AFF\_0234\_4c2c\_A455\_7713FA2D2D9A" name="fire extinguisher" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000113\_0234\_4c2c\_A455\_7713FA2D2D9A" value="1"/>

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</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_8F386004\_1C07\_4c8b\_99CC\_1BA49DB8DDDC" name="fire hydrant" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000115\_1C07\_4c8b\_99CC\_1BA49DB8DDDC" value="1"/>

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</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_DDDE9EEA\_1D24\_4f4e\_815B\_2651E7C8053A" name="jet fan" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000117\_1D24\_4f4e\_815B\_2651E7C8053A" value="1"/>

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</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_87A85B65\_70C5\_432c\_8C86\_991C9B4C74B1" name="mole drainage" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000119\_70C5\_432c\_8C86\_991C9B4C74B1" value="1"/>

<upperValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000120\_70C5\_432c\_8C86\_991C9B4C74B1" value="1"/>

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<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_509C77D3\_B0F3\_4010\_832A\_FBB13440C8AD" name="pipeline" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000121\_B0F3\_4010\_832A\_FBB13440C8AD" value="1"/>

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<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_EE080D4D\_6DD5\_464d\_8DFE\_E589DC099CE3" name="railroad" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000123\_6DD5\_464d\_8DFE\_E589DC099CE3" value="1"/>

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<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_FA8ADBE5\_6952\_44ad\_BB9E\_C26201E394C5" name="railroad tie" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000125\_6952\_44ad\_BB9E\_C26201E394C5" value="1"/>

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</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_B3C093F3\_8636\_400e\_895C\_2BD248A707FE" name="streetcar line" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000127\_8636\_400e\_895C\_2BD248A707FE" value="1"/>

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</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_04CFFFE3\_5B67\_4069\_A864\_ABC2504D00E8" name="uninterruptible power supply" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000129\_5B67\_4069\_A864\_ABC2504D00E8" value="1"/>

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<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_5445D5C1\_0459\_43d8\_B98F\_CE0536B83F7C" name="variable sign" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000131\_0459\_43d8\_B98F\_CE0536B83F7C" value="1"/>

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</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_FA65C9A2\_229B\_4991\_AE1E\_330154D7003F" name="water spray facility" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000133\_229B\_4991\_AE1E\_330154D7003F" value="1"/>

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</ownedAttribute>

</packagedElement>

<packagedElement xmi:type="uml:Class" xmi:id="EAID\_4BD38C53\_DB8F\_4be8\_8CAF\_4BD76D13A667" name="TunnelInstallation" visibility="public">

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_BC5EE621\_B2ED\_4270\_8C49\_CBB96EED2B86" name="adeOfTunnelInstallation" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

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</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_DAE0EA6D\_AAAB\_4f6c\_8BB0\_E1A269A71E65" name="class" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<type xmi:idref="EAID\_FB0C6B39\_8E71\_4b8e\_9161\_0437C2E6E643"/>

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000137\_AAAB\_4f6c\_8BB0\_E1A269A71E65" value="0"/>

<upperValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000138\_AAAB\_4f6c\_8BB0\_E1A269A71E65" value="1"/>

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<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_CB137DA4\_2F12\_4c5e\_9731\_54881C11B0FC" name="function" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<type xmi:idref="EAID\_BA06E5B4\_F1EF\_4638\_AA45\_930E3E6C62D4"/>

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<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_AFE55AAE\_60AF\_4faf\_AF3F\_0EFDA221606A" name="usage" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<type xmi:idref="EAID\_1AC2CD84\_729C\_480c\_B478\_F41641D36540"/>

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</ownedAttribute>

<generalization xmi:type="uml:Generalization" xmi:id="EAID\_0C49F277\_C296\_4b3c\_B8D3\_2B2F0EB5B413" general="EAID\_73A90C21\_D0FC\_4bff\_9316\_6DA37C582F2C"/>

</packagedElement>

<packagedElement xmi:type="uml:Class" xmi:id="EAID\_FB0C6B39\_8E71\_4b8e\_9161\_0437C2E6E643" name="TunnelInstallationClassValue" visibility="public"/>

<packagedElement xmi:type="uml:Class" xmi:id="EAID\_BA06E5B4\_F1EF\_4638\_AA45\_930E3E6C62D4" name="TunnelInstallationFunctionValue" visibility="public"/>

<packagedElement xmi:type="uml:Class" xmi:id="EAID\_1AC2CD84\_729C\_480c\_B478\_F41641D36540" name="TunnelInstallationUsageValue" visibility="public"/>

<packagedElement xmi:type="uml:Class" xmi:id="EAID\_C578A63A\_9CC6\_4eec\_B087\_7FBE4E3CE003" name="TunnelPart" visibility="public">

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_5D2BA1DC\_F642\_434f\_8828\_5A584BAA42CB" name="adeOfTunnelPart" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

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</packagedElement>

<packagedElement xmi:type="uml:Class" xmi:id="EAID\_4C66967F\_A247\_4f4b\_8CAA\_F8660246FEFB" name="TunnelTextureFunctionValue" visibility="public"/>

<packagedElement xmi:type="uml:Class" xmi:id="EAID\_F8FF7619\_E272\_44f3\_9900\_632F023C68A9" name="TunnelTextureTypeValue" visibility="public">

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_B87C1620\_5421\_4508\_8706\_E4C04C84A9AC" name="asphalt" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

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<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_6C166B2D\_1E22\_4342\_8880\_FAD259EF6375" name="cast iron" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000153\_1E22\_4342\_8880\_FAD259EF6375" value="1"/>

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</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_30B7D056\_713C\_4c00\_8F74\_74DD9A5CC1EB" name="cobblestone" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

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<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_580F9733\_8FA5\_4016\_8EF6\_A44534EC6D35" name="concrete" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000157\_8FA5\_4016\_8EF6\_A44534EC6D35" value="1"/>

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<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_6B320ABD\_CD48\_46d1\_91BD\_FA1B26313EBF" name="grass" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000159\_CD48\_46d1\_91BD\_FA1B26313EBF" value="1"/>

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</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_96D097CF\_26F5\_44c8\_8F1A\_3E22800BE0E7" name="gravel" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

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<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_998D6B0B\_678C\_48dc\_B643\_5DCFE9815972" name="marble" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000163\_678C\_48dc\_B643\_5DCFE9815972" value="1"/>

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</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_982A62BB\_0DF0\_4124\_B90E\_B70892ADA987" name="pavement" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

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</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_BEC51F8B\_B3E7\_4616\_9A6D\_2AB72E0709E0" name="sand" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000167\_B3E7\_4616\_9A6D\_2AB72E0709E0" value="1"/>

<upperValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000168\_B3E7\_4616\_9A6D\_2AB72E0709E0" value="1"/>

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<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_7EB3742A\_31D3\_42c1\_85A1\_306B141674E9" name="soil" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000169\_31D3\_42c1\_85A1\_306B141674E9" value="1"/>

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<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000171\_3229\_430f\_9988\_1B5035CCF903" value="1"/>

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</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_7A9BA7B9\_06FD\_4112\_BA85\_2F3A037D121B" name="steel" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000173\_06FD\_4112\_BA85\_2F3A037D121B" value="1"/>

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</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_02A5F1DB\_D47E\_4115\_977C\_1CA05BE7CC5A" name="unknown" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000175\_D47E\_4115\_977C\_1CA05BE7CC5A" value="1"/>

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</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_0B43440B\_6EC4\_4cfe\_B5E6\_E08AD4C0F714" name="wood" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000177\_6EC4\_4cfe\_B5E6\_E08AD4C0F714" value="1"/>

<upperValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000178\_6EC4\_4cfe\_B5E6\_E08AD4C0F714" value="1"/>

</ownedAttribute>

</packagedElement>

<packagedElement xmi:type="uml:Class" xmi:id="EAID\_B57E96E9\_C44C\_4543\_91DF\_B83D51FC3D20" name="TunnelTextureUsageValue" visibility="public"/>

<packagedElement xmi:type="uml:Class" xmi:id="EAID\_0924F1DA\_B287\_429d\_8714\_0F35553A1797" name="TunnelUsageValue" visibility="public"/>

<packagedElement xmi:type="uml:DataType" xmi:id="EAID\_0682A553\_87C8\_4a79\_A8D5\_9DB663911962" name="ADEOfAbstractTunnel" visibility="public" isAbstract="true"/>

<packagedElement xmi:type="uml:DataType" xmi:id="EAID\_16787D24\_5A39\_4d88\_8D71\_17FAD32D0B83" name="ADEOfHollowSpace" visibility="public" isAbstract="true"/>

<packagedElement xmi:type="uml:DataType" xmi:id="EAID\_3F6F6637\_46BA\_4a63\_B055\_FB4CA850D34B" name="ADEOfTunnel" visibility="public" isAbstract="true"/>

<packagedElement xmi:type="uml:DataType" xmi:id="EAID\_0C114268\_3EEF\_432d\_ACA8\_6952E09F76A2" name="ADEOfTunnelConstructiveElement" visibility="public" isAbstract="true"/>

<packagedElement xmi:type="uml:DataType" xmi:id="EAID\_32D42A37\_9927\_40ba\_9574\_098C2D75EC8A" name="ADEOfTunnelFurniture" visibility="public" isAbstract="true"/>

<packagedElement xmi:type="uml:DataType" xmi:id="EAID\_90F3D187\_2E95\_4f72\_A632\_0766559CFDD4" name="ADEOfTunnelInstallation" visibility="public" isAbstract="true"/>

<packagedElement xmi:type="uml:DataType" xmi:id="EAID\_B22CE0C9\_B2B3\_49cc\_BC88\_29E930270DAA" name="ADEOfTunnelPart" visibility="public" isAbstract="true"/>

<packagedElement xmi:type="uml:DataType" xmi:id="EAID\_A64E8CFA\_356C\_40ba\_A0B1\_EFBF221517F2" name="DataType1" visibility="public"/>

<packagedElement xmi:type="uml:DataType" xmi:id="EAID\_4EDD86EB\_661C\_4688\_A453\_21DF7C64E25D" name="DataType2" visibility="public"/>

<packagedElement xmi:type="uml:DataType" xmi:id="EAID\_2ECCF25C\_7C12\_4b38\_9EA5\_6752D8A2C115" name="Drainage&#xA;" visibility="public">

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_6B84C6C5\_3624\_41bc\_B6A4\_FBAA1B65A261" name="area" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000179\_3624\_41bc\_B6A4\_FBAA1B65A261" value="1"/>

<upperValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000180\_3624\_41bc\_B6A4\_FBAA1B65A261" value="1"/>

<type xmi:idref="EAJava\_Double"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_4F5900DE\_C9E9\_4842\_9769\_8B21E3E8A2B1" name="id" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000181\_C9E9\_4842\_9769\_8B21E3E8A2B1" value="1"/>

<upperValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000182\_C9E9\_4842\_9769\_8B21E3E8A2B1" value="1"/>

<type xmi:idref="EAJava\_Integer"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_BA14ED07\_2072\_4f01\_A0B0\_FDFF6E03027F" name="length" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000183\_2072\_4f01\_A0B0\_FDFF6E03027F" value="1"/>

<upperValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000184\_2072\_4f01\_A0B0\_FDFF6E03027F" value="1"/>

<type xmi:idref="EAJava\_Double"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_6E49E104\_2DC8\_4f61\_8FEB\_3B69530057F4" name="name" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000185\_2DC8\_4f61\_8FEB\_3B69530057F4" value="1"/>

<upperValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000186\_2DC8\_4f61\_8FEB\_3B69530057F4" value="1"/>

<type xmi:idref="EAJava\_CharacterString"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_68D0F18D\_79E6\_4b48\_8BA6\_FFC50A1FCB49" name="texture" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<type xmi:idref="EAID\_F8FF7619\_E272\_44f3\_9900\_632F023C68A9"/>

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000187\_79E6\_4b48\_8BA6\_FFC50A1FCB49" value="1"/>

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</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_983D75D4\_1983\_41c6\_86EC\_DC89150606FE" name="width" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000189\_1983\_41c6\_86EC\_DC89150606FE" value="1"/>

<upperValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000190\_1983\_41c6\_86EC\_DC89150606FE" value="1"/>

<type xmi:idref="EAJava\_Double"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_dst4A8D3A\_D0DA\_411e\_B689\_895F1AB00A6F" visibility="public" association="EAID\_034A8D3A\_D0DA\_411e\_B689\_895F1AB00A6F" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false" aggregation="none">

<type xmi:idref="EAID\_642283DE\_4A64\_4b12\_B987\_2F095D1C49FB"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_dst80B6D8\_B31F\_42df\_9EE9\_963E0DBB2C96" visibility="public" association="EAID\_3280B6D8\_B31F\_42df\_9EE9\_963E0DBB2C96" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false" aggregation="none">

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</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_dst0F1167\_FF0A\_4bdc\_9A63\_6C5E94C56586" visibility="public" association="EAID\_7F0F1167\_FF0A\_4bdc\_9A63\_6C5E94C56586" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false" aggregation="none">

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</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_dstB6EB25\_A68F\_4d31\_900A\_CD9004FA708B" visibility="public" association="EAID\_89B6EB25\_A68F\_4d31\_900A\_CD9004FA708B" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false" aggregation="none">

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</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_dstC7D0DA\_253E\_473c\_BDF7\_C0F56FD94CDC" visibility="public" association="EAID\_A4C7D0DA\_253E\_473c\_BDF7\_C0F56FD94CDC" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false" aggregation="none">

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</ownedAttribute>

<generalization xmi:type="uml:Generalization" xmi:id="EAID\_C7EF3275\_0307\_4e02\_9499\_D8A2524A7B5B" general="EAID\_16787D24\_5A39\_4d88\_8D71\_17FAD32D0B83"/>

</packagedElement>

<packagedElement xmi:type="uml:Association" xmi:id="EAID\_034A8D3A\_D0DA\_411e\_B689\_895F1AB00A6F" name="lod3 MultiSurface &lt;&lt;Property&gt;&gt;" visibility="public">

<memberEnd xmi:idref="EAID\_dst4A8D3A\_D0DA\_411e\_B689\_895F1AB00A6F"/>

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<ownedEnd xmi:type="uml:Property" xmi:id="EAID\_src4A8D3A\_D0DA\_411e\_B689\_895F1AB00A6F" visibility="public" association="EAID\_034A8D3A\_D0DA\_411e\_B689\_895F1AB00A6F" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false" aggregation="none">

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</ownedEnd>

</packagedElement>

<packagedElement xmi:type="uml:Association" xmi:id="EAID\_3280B6D8\_B31F\_42df\_9EE9\_963E0DBB2C96" visibility="public">

<memberEnd xmi:idref="EAID\_dst80B6D8\_B31F\_42df\_9EE9\_963E0DBB2C96"/>

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<ownedEnd xmi:type="uml:Property" xmi:id="EAID\_src80B6D8\_B31F\_42df\_9EE9\_963E0DBB2C96" visibility="public" association="EAID\_3280B6D8\_B31F\_42df\_9EE9\_963E0DBB2C96" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false" aggregation="none">

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</ownedEnd>

</packagedElement>

<packagedElement xmi:type="uml:Association" xmi:id="EAID\_7F0F1167\_FF0A\_4bdc\_9A63\_6C5E94C56586" name="lod1 MultiSurface &lt;&lt;Property&gt;&gt;" visibility="public">

<memberEnd xmi:idref="EAID\_dst0F1167\_FF0A\_4bdc\_9A63\_6C5E94C56586"/>

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<type xmi:idref="EAID\_2ECCF25C\_7C12\_4b38\_9EA5\_6752D8A2C115"/>

</ownedEnd>

</packagedElement>

<packagedElement xmi:type="uml:Association" xmi:id="EAID\_89B6EB25\_A68F\_4d31\_900A\_CD9004FA708B" name="lod2 MultiSurface &lt;&lt;Property&gt;&gt;" visibility="public">

<memberEnd xmi:idref="EAID\_dstB6EB25\_A68F\_4d31\_900A\_CD9004FA708B"/>

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<ownedEnd xmi:type="uml:Property" xmi:id="EAID\_srcB6EB25\_A68F\_4d31\_900A\_CD9004FA708B" visibility="public" association="EAID\_89B6EB25\_A68F\_4d31\_900A\_CD9004FA708B" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false" aggregation="none">

<type xmi:idref="EAID\_2ECCF25C\_7C12\_4b38\_9EA5\_6752D8A2C115"/>

</ownedEnd>

</packagedElement>

<packagedElement xmi:type="uml:Association" xmi:id="EAID\_A4C7D0DA\_253E\_473c\_BDF7\_C0F56FD94CDC" name="lod0 MultiSurface &lt;&lt;Property&gt;&gt;" visibility="public">

<memberEnd xmi:idref="EAID\_dstC7D0DA\_253E\_473c\_BDF7\_C0F56FD94CDC"/>

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<ownedEnd xmi:type="uml:Property" xmi:id="EAID\_srcC7D0DA\_253E\_473c\_BDF7\_C0F56FD94CDC" visibility="public" association="EAID\_A4C7D0DA\_253E\_473c\_BDF7\_C0F56FD94CDC" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false" aggregation="none">

<type xmi:idref="EAID\_2ECCF25C\_7C12\_4b38\_9EA5\_6752D8A2C115"/>

</ownedEnd>

</packagedElement>

<packagedElement xmi:type="uml:DataType" xmi:id="EAID\_CA1B7511\_F144\_4794\_BAF3\_9101009909EC" name="Emergency Parking Lot&#xA;" visibility="public">

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_06BDDDEE\_DCC8\_4340\_9FEF\_3B9718C20D18" name="area" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000191\_DCC8\_4340\_9FEF\_3B9718C20D18" value="1"/>

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<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000193\_40E9\_4eb3\_81B9\_82750997A824" value="1"/>

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<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_B11BDD13\_9955\_4ece\_98A2\_488F9E3CDE65" name="name" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000195\_9955\_4ece\_98A2\_488F9E3CDE65" value="1"/>

<upperValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000196\_9955\_4ece\_98A2\_488F9E3CDE65" value="1"/>

<type xmi:idref="EAJava\_CharacterString"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_091432E5\_5F47\_4679\_AD25\_279632BE03BD" name="texture" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<type xmi:idref="EAID\_F8FF7619\_E272\_44f3\_9900\_632F023C68A9"/>

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000197\_5F47\_4679\_AD25\_279632BE03BD" value="1"/>

<upperValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000198\_5F47\_4679\_AD25\_279632BE03BD" value="1"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_dstFB9D26\_5A2E\_41e4\_A7DC\_DC112B18B7BD" visibility="public" association="EAID\_14FB9D26\_5A2E\_41e4\_A7DC\_DC112B18B7BD" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false" aggregation="none">

<type xmi:idref="EAID\_642283DE\_4A64\_4b12\_B987\_2F095D1C49FB"/>

</ownedAttribute>

<generalization xmi:type="uml:Generalization" xmi:id="EAID\_36079CB5\_1711\_4891\_908C\_09E7CAE80A5A" general="EAID\_16787D24\_5A39\_4d88\_8D71\_17FAD32D0B83"/>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_dst528693\_39F5\_4670\_BD83\_ACC89D565824" visibility="public" association="EAID\_C3528693\_39F5\_4670\_BD83\_ACC89D565824" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false" aggregation="none">

<type xmi:idref="EAID\_642283DE\_4A64\_4b12\_B987\_2F095D1C49FB"/>

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<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_dst9B9AFE\_F86A\_4144\_8961\_E518AB1434AC" visibility="public" association="EAID\_CB9B9AFE\_F86A\_4144\_8961\_E518AB1434AC" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false" aggregation="none">

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</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_dstE80805\_7A8F\_4ca7\_88A7\_625A06E96F28" visibility="public" association="EAID\_CEE80805\_7A8F\_4ca7\_88A7\_625A06E96F28" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false" aggregation="none">

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</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_dst7643AF\_607B\_40ae\_8418\_7286271A7901" visibility="public" association="EAID\_E57643AF\_607B\_40ae\_8418\_7286271A7901" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false" aggregation="none">

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</ownedAttribute>

</packagedElement>

<packagedElement xmi:type="uml:Association" xmi:id="EAID\_14FB9D26\_5A2E\_41e4\_A7DC\_DC112B18B7BD" name="lod2 MultiSurface &lt;&lt;Property&gt;&gt;" visibility="public">

<memberEnd xmi:idref="EAID\_dstFB9D26\_5A2E\_41e4\_A7DC\_DC112B18B7BD"/>

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<ownedEnd xmi:type="uml:Property" xmi:id="EAID\_srcFB9D26\_5A2E\_41e4\_A7DC\_DC112B18B7BD" visibility="public" association="EAID\_14FB9D26\_5A2E\_41e4\_A7DC\_DC112B18B7BD" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false" aggregation="none">

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</ownedEnd>

</packagedElement>

<packagedElement xmi:type="uml:Association" xmi:id="EAID\_C3528693\_39F5\_4670\_BD83\_ACC89D565824" name="lod3 MultiSurface &lt;&lt;Property&gt;&gt;" visibility="public">

<memberEnd xmi:idref="EAID\_dst528693\_39F5\_4670\_BD83\_ACC89D565824"/>

<memberEnd xmi:idref="EAID\_src528693\_39F5\_4670\_BD83\_ACC89D565824"/>

<ownedEnd xmi:type="uml:Property" xmi:id="EAID\_src528693\_39F5\_4670\_BD83\_ACC89D565824" visibility="public" association="EAID\_C3528693\_39F5\_4670\_BD83\_ACC89D565824" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false" aggregation="none">

<type xmi:idref="EAID\_CA1B7511\_F144\_4794\_BAF3\_9101009909EC"/>

</ownedEnd>

</packagedElement>

<packagedElement xmi:type="uml:Association" xmi:id="EAID\_CB9B9AFE\_F86A\_4144\_8961\_E518AB1434AC" name="lod0 MultiSurface &lt;&lt;Property&gt;&gt;" visibility="public">

<memberEnd xmi:idref="EAID\_dst9B9AFE\_F86A\_4144\_8961\_E518AB1434AC"/>

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<ownedEnd xmi:type="uml:Property" xmi:id="EAID\_src9B9AFE\_F86A\_4144\_8961\_E518AB1434AC" visibility="public" association="EAID\_CB9B9AFE\_F86A\_4144\_8961\_E518AB1434AC" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false" aggregation="none">

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</ownedEnd>

</packagedElement>

<packagedElement xmi:type="uml:Association" xmi:id="EAID\_CEE80805\_7A8F\_4ca7\_88A7\_625A06E96F28" visibility="public">

<memberEnd xmi:idref="EAID\_dstE80805\_7A8F\_4ca7\_88A7\_625A06E96F28"/>

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<ownedEnd xmi:type="uml:Property" xmi:id="EAID\_srcE80805\_7A8F\_4ca7\_88A7\_625A06E96F28" visibility="public" association="EAID\_CEE80805\_7A8F\_4ca7\_88A7\_625A06E96F28" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false" aggregation="none">

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</ownedEnd>

</packagedElement>

<packagedElement xmi:type="uml:Association" xmi:id="EAID\_E57643AF\_607B\_40ae\_8418\_7286271A7901" name="lod1 MultiSurface &lt;&lt;Property&gt;&gt;" visibility="public">

<memberEnd xmi:idref="EAID\_dst7643AF\_607B\_40ae\_8418\_7286271A7901"/>

<memberEnd xmi:idref="EAID\_src7643AF\_607B\_40ae\_8418\_7286271A7901"/>

<ownedEnd xmi:type="uml:Property" xmi:id="EAID\_src7643AF\_607B\_40ae\_8418\_7286271A7901" visibility="public" association="EAID\_E57643AF\_607B\_40ae\_8418\_7286271A7901" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false" aggregation="none">

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</ownedEnd>

</packagedElement>

<packagedElement xmi:type="uml:DataType" xmi:id="EAID\_010EDCDA\_681B\_4d09\_87C1\_51E46F9A4183" name="Segment&#xA;" visibility="public">

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_E035AD8C\_1CD2\_485c\_99E6\_D1C00DC7CA6A" name="section" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000199\_1CD2\_485c\_99E6\_D1C00DC7CA6A" value="1"/>

<upperValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000200\_1CD2\_485c\_99E6\_D1C00DC7CA6A" value="1"/>

<type xmi:idref="EAJava\_CharacterString"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_E798015E\_0010\_4a59\_BCBF\_59DF3B5F2E20" name="texture" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<type xmi:idref="EAID\_F8FF7619\_E272\_44f3\_9900\_632F023C68A9"/>

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000201\_0010\_4a59\_BCBF\_59DF3B5F2E20" value="1"/>

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</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_FCB488C4\_0395\_4d4a\_8854\_064BF044E0D5" name="thickness" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000203\_0395\_4d4a\_8854\_064BF044E0D5" value="1"/>

<upperValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000204\_0395\_4d4a\_8854\_064BF044E0D5" value="1"/>

<type xmi:idref="EAJava\_Double"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_dst1F6780\_6D25\_464a\_8F9B\_7A96E5ECEA7B" visibility="public" association="EAID\_381F6780\_6D25\_464a\_8F9B\_7A96E5ECEA7B" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false" aggregation="none">

<type xmi:idref="EAID\_5E740584\_6743\_42da\_8CD0\_2E342F9A5FDE"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_dstBAA16A\_0E1D\_4687\_B866\_943B25269C0B" visibility="public" association="EAID\_5CBAA16A\_0E1D\_4687\_B866\_943B25269C0B" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false" aggregation="none">

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</ownedAttribute>

<generalization xmi:type="uml:Generalization" xmi:id="EAID\_7FDBA9AC\_792F\_4db6\_A601\_E310975BD64D" general="EAID\_0C114268\_3EEF\_432d\_ACA8\_6952E09F76A2"/>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_dst73B791\_165F\_4d5d\_A0AD\_46AAEE12EB15" visibility="public" association="EAID\_9773B791\_165F\_4d5d\_A0AD\_46AAEE12EB15" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false" aggregation="none">

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</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_dst5A6F13\_857F\_4e63\_B2ED\_5EB1DD8B06D7" visibility="public" association="EAID\_B35A6F13\_857F\_4e63\_B2ED\_5EB1DD8B06D7" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false" aggregation="none">

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</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_dst033E1A\_C390\_420d\_914A\_2D319F31B9EC" visibility="public" association="EAID\_D2033E1A\_C390\_420d\_914A\_2D319F31B9EC" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false" aggregation="none">

<type xmi:idref="EAID\_2590191B\_9EFA\_4477\_A32B\_DA3DEDAC68BE"/>

</ownedAttribute>

</packagedElement>

<packagedElement xmi:type="uml:Association" xmi:id="EAID\_381F6780\_6D25\_464a\_8F9B\_7A96E5ECEA7B" name="lod2 Solid &lt;&lt;Property&gt;&gt;" visibility="public">

<memberEnd xmi:idref="EAID\_dst1F6780\_6D25\_464a\_8F9B\_7A96E5ECEA7B"/>

<memberEnd xmi:idref="EAID\_src1F6780\_6D25\_464a\_8F9B\_7A96E5ECEA7B"/>

<ownedEnd xmi:type="uml:Property" xmi:id="EAID\_src1F6780\_6D25\_464a\_8F9B\_7A96E5ECEA7B" visibility="public" association="EAID\_381F6780\_6D25\_464a\_8F9B\_7A96E5ECEA7B" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false" aggregation="none">

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</ownedEnd>

</packagedElement>

<packagedElement xmi:type="uml:Association" xmi:id="EAID\_5CBAA16A\_0E1D\_4687\_B866\_943B25269C0B" name="lod3 Solid &lt;&lt;Property&gt;&gt;" visibility="public">

<memberEnd xmi:idref="EAID\_dstBAA16A\_0E1D\_4687\_B866\_943B25269C0B"/>

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<ownedEnd xmi:type="uml:Property" xmi:id="EAID\_srcBAA16A\_0E1D\_4687\_B866\_943B25269C0B" visibility="public" association="EAID\_5CBAA16A\_0E1D\_4687\_B866\_943B25269C0B" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false" aggregation="none">

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</ownedEnd>

</packagedElement>

<packagedElement xmi:type="uml:Association" xmi:id="EAID\_9773B791\_165F\_4d5d\_A0AD\_46AAEE12EB15" name="lod1 Solid &lt;&lt;Property&gt;&gt;" visibility="public">

<memberEnd xmi:idref="EAID\_dst73B791\_165F\_4d5d\_A0AD\_46AAEE12EB15"/>

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<ownedEnd xmi:type="uml:Property" xmi:id="EAID\_src73B791\_165F\_4d5d\_A0AD\_46AAEE12EB15" visibility="public" association="EAID\_9773B791\_165F\_4d5d\_A0AD\_46AAEE12EB15" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false" aggregation="none">

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</ownedEnd>

</packagedElement>

<packagedElement xmi:type="uml:Association" xmi:id="EAID\_B35A6F13\_857F\_4e63\_B2ED\_5EB1DD8B06D7" name="lod0 Solid &lt;&lt;Property&gt;&gt;" visibility="public">

<memberEnd xmi:idref="EAID\_dst5A6F13\_857F\_4e63\_B2ED\_5EB1DD8B06D7"/>

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<ownedEnd xmi:type="uml:Property" xmi:id="EAID\_src5A6F13\_857F\_4e63\_B2ED\_5EB1DD8B06D7" visibility="public" association="EAID\_B35A6F13\_857F\_4e63\_B2ED\_5EB1DD8B06D7" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false" aggregation="none">

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</ownedEnd>

</packagedElement>

<packagedElement xmi:type="uml:Association" xmi:id="EAID\_D2033E1A\_C390\_420d\_914A\_2D319F31B9EC" name="+ construct &lt;&lt;Property&gt;&gt;" visibility="public">

<memberEnd xmi:idref="EAID\_dst033E1A\_C390\_420d\_914A\_2D319F31B9EC"/>

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<ownedEnd xmi:type="uml:Property" xmi:id="EAID\_src033E1A\_C390\_420d\_914A\_2D319F31B9EC" visibility="public" association="EAID\_D2033E1A\_C390\_420d\_914A\_2D319F31B9EC" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false" aggregation="none">

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</ownedEnd>

</packagedElement>

<packagedElement xmi:type="uml:DataType" xmi:id="EAID\_A5431DC1\_D5D8\_46f1\_96E9\_D57E58C4F90A" name="Shelter&#xA;" visibility="public">

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_798DF1FB\_E4A9\_46de\_9106\_2F1593AB48A0" name="area" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000205\_E4A9\_46de\_9106\_2F1593AB48A0" value="1"/>

<upperValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000206\_E4A9\_46de\_9106\_2F1593AB48A0" value="1"/>

<type xmi:idref="EAJava\_Double"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_2F92EEDB\_EC78\_4c94\_BDB0\_A47D0CBDCADB" name="id" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000207\_EC78\_4c94\_BDB0\_A47D0CBDCADB" value="1"/>

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<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_487A052E\_8311\_4955\_8D77\_D2E74BCDAE7D" name="name" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000209\_8311\_4955\_8D77\_D2E74BCDAE7D" value="1"/>

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<type xmi:idref="EAJava\_CharacterString"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_7CCCDDD2\_2B18\_4256\_B868\_B287C12315A2" name="texture" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<type xmi:idref="EAID\_F8FF7619\_E272\_44f3\_9900\_632F023C68A9"/>

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000211\_2B18\_4256\_B868\_B287C12315A2" value="1"/>

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</ownedAttribute>

<generalization xmi:type="uml:Generalization" xmi:id="EAID\_380D75EA\_2505\_45cd\_B075\_FAFC363AB54C" general="EAID\_16787D24\_5A39\_4d88\_8D71\_17FAD32D0B83"/>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_dst95018A\_156A\_47f1\_86FB\_FA226216F4BA" visibility="public" association="EAID\_4F95018A\_156A\_47f1\_86FB\_FA226216F4BA" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false" aggregation="none">

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</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_dst865D35\_E314\_42e7\_96B9\_EAEEDBE06084" visibility="public" association="EAID\_59865D35\_E314\_42e7\_96B9\_EAEEDBE06084" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false" aggregation="none">

<type xmi:idref="EAID\_4F1406F0\_73E2\_4d59\_8DC9\_F28C3D58E5C6"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_dst0263CD\_C02F\_4d3e\_986A\_D7850BD8C267" visibility="public" association="EAID\_AA0263CD\_C02F\_4d3e\_986A\_D7850BD8C267" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false" aggregation="none">

<type xmi:idref="EAID\_EAAC4305\_1147\_4752\_801A\_48B1BB977958"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_dst868CD1\_415E\_4bd1\_8516\_F6F7772E58DA" visibility="public" association="EAID\_D0868CD1\_415E\_4bd1\_8516\_F6F7772E58DA" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false" aggregation="none">

<type xmi:idref="EAID\_EAAC4305\_1147\_4752\_801A\_48B1BB977958"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_dstED1FB2\_FFC6\_41bf\_9801\_B97D4C94C495" visibility="public" association="EAID\_DDED1FB2\_FFC6\_41bf\_9801\_B97D4C94C495" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false" aggregation="none">

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</ownedAttribute>

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<memberEnd xmi:idref="EAID\_dst95018A\_156A\_47f1\_86FB\_FA226216F4BA"/>

<memberEnd xmi:idref="EAID\_src95018A\_156A\_47f1\_86FB\_FA226216F4BA"/>

<ownedEnd xmi:type="uml:Property" xmi:id="EAID\_src95018A\_156A\_47f1\_86FB\_FA226216F4BA" visibility="public" association="EAID\_4F95018A\_156A\_47f1\_86FB\_FA226216F4BA" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false" aggregation="none">

<type xmi:idref="EAID\_A5431DC1\_D5D8\_46f1\_96E9\_D57E58C4F90A"/>

</ownedEnd>

</packagedElement>

<packagedElement xmi:type="uml:Association" xmi:id="EAID\_59865D35\_E314\_42e7\_96B9\_EAEEDBE06084" visibility="public">

<memberEnd xmi:idref="EAID\_dst865D35\_E314\_42e7\_96B9\_EAEEDBE06084"/>

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<ownedEnd xmi:type="uml:Property" xmi:id="EAID\_src865D35\_E314\_42e7\_96B9\_EAEEDBE06084" visibility="public" association="EAID\_59865D35\_E314\_42e7\_96B9\_EAEEDBE06084" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false" aggregation="none">

<type xmi:idref="EAID\_A5431DC1\_D5D8\_46f1\_96E9\_D57E58C4F90A"/>

</ownedEnd>

</packagedElement>

<packagedElement xmi:type="uml:Association" xmi:id="EAID\_AA0263CD\_C02F\_4d3e\_986A\_D7850BD8C267" name="lod3 Solid &lt;&lt;Property&gt;&gt;" visibility="public">

<memberEnd xmi:idref="EAID\_dst0263CD\_C02F\_4d3e\_986A\_D7850BD8C267"/>

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<ownedEnd xmi:type="uml:Property" xmi:id="EAID\_src0263CD\_C02F\_4d3e\_986A\_D7850BD8C267" visibility="public" association="EAID\_AA0263CD\_C02F\_4d3e\_986A\_D7850BD8C267" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false" aggregation="none">

<type xmi:idref="EAID\_A5431DC1\_D5D8\_46f1\_96E9\_D57E58C4F90A"/>

</ownedEnd>

</packagedElement>

<packagedElement xmi:type="uml:Association" xmi:id="EAID\_D0868CD1\_415E\_4bd1\_8516\_F6F7772E58DA" name="lod1 Solid &lt;&lt;Property&gt;&gt;" visibility="public">

<memberEnd xmi:idref="EAID\_dst868CD1\_415E\_4bd1\_8516\_F6F7772E58DA"/>

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<ownedEnd xmi:type="uml:Property" xmi:id="EAID\_src868CD1\_415E\_4bd1\_8516\_F6F7772E58DA" visibility="public" association="EAID\_D0868CD1\_415E\_4bd1\_8516\_F6F7772E58DA" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false" aggregation="none">

<type xmi:idref="EAID\_A5431DC1\_D5D8\_46f1\_96E9\_D57E58C4F90A"/>

</ownedEnd>

</packagedElement>

<packagedElement xmi:type="uml:Association" xmi:id="EAID\_DDED1FB2\_FFC6\_41bf\_9801\_B97D4C94C495" name="lod2 Solid &lt;&lt;Property&gt;&gt;" visibility="public">

<memberEnd xmi:idref="EAID\_dstED1FB2\_FFC6\_41bf\_9801\_B97D4C94C495"/>

<memberEnd xmi:idref="EAID\_srcED1FB2\_FFC6\_41bf\_9801\_B97D4C94C495"/>

<ownedEnd xmi:type="uml:Property" xmi:id="EAID\_srcED1FB2\_FFC6\_41bf\_9801\_B97D4C94C495" visibility="public" association="EAID\_DDED1FB2\_FFC6\_41bf\_9801\_B97D4C94C495" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false" aggregation="none">

<type xmi:idref="EAID\_A5431DC1\_D5D8\_46f1\_96E9\_D57E58C4F90A"/>

</ownedEnd>

</packagedElement>

<packagedElement xmi:type="uml:DataType" xmi:id="EAID\_F55BD1D4\_4858\_47df\_9FC1\_C59476C7AC5E" name="Sidewalk&#xA;" visibility="public">

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_754D4442\_54D2\_4a26\_A393\_9061580993B9" name="area" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000213\_54D2\_4a26\_A393\_9061580993B9" value="1"/>

<upperValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000214\_54D2\_4a26\_A393\_9061580993B9" value="1"/>

<type xmi:idref="EAJava\_Double"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_06D47AAA\_D9A8\_4862\_9891\_05AD913DBCCA" name="id" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000215\_D9A8\_4862\_9891\_05AD913DBCCA" value="1"/>

<upperValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000216\_D9A8\_4862\_9891\_05AD913DBCCA" value="1"/>

<type xmi:idref="EAJava\_Integer"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_8264A657\_FC4B\_48c8\_8F22\_260F7BEC17B6" name="length" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000217\_FC4B\_48c8\_8F22\_260F7BEC17B6" value="1"/>

<upperValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000218\_FC4B\_48c8\_8F22\_260F7BEC17B6" value="1"/>

<type xmi:idref="EAJava\_Double"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_26968686\_5C33\_441b\_BB86\_B02D47D1EF8B" name="name" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000219\_5C33\_441b\_BB86\_B02D47D1EF8B" value="1"/>

<upperValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000220\_5C33\_441b\_BB86\_B02D47D1EF8B" value="1"/>

<type xmi:idref="EAJava\_CharacterString"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_3BFA59BC\_8E67\_42d7\_BEDD\_A866784FE207" name="texture" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<type xmi:idref="EAID\_F8FF7619\_E272\_44f3\_9900\_632F023C68A9"/>

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000221\_8E67\_42d7\_BEDD\_A866784FE207" value="1"/>

<upperValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000222\_8E67\_42d7\_BEDD\_A866784FE207" value="1"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_9B11AA78\_8A93\_482d\_A750\_F0880DD09239" name="width" visibility="public" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false">

<lowerValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000223\_8A93\_482d\_A750\_F0880DD09239" value="1"/>

<upperValue xmi:type="uml:LiteralInteger" xmi:id="EAID\_LI000224\_8A93\_482d\_A750\_F0880DD09239" value="1"/>

<type xmi:idref="EAJava\_Double"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_dst450192\_2077\_465d\_B451\_2834958CE86D" visibility="public" association="EAID\_5A450192\_2077\_465d\_B451\_2834958CE86D" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false" aggregation="none">

<type xmi:idref="EAID\_642283DE\_4A64\_4b12\_B987\_2F095D1C49FB"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_dstAB7214\_8EA2\_4ef1\_A0FA\_5C3900B81D57" visibility="public" association="EAID\_6DAB7214\_8EA2\_4ef1\_A0FA\_5C3900B81D57" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false" aggregation="none">

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</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_dst9EAA12\_6FBE\_4b16\_BBAF\_B8F5EFAAECE4" visibility="public" association="EAID\_949EAA12\_6FBE\_4b16\_BBAF\_B8F5EFAAECE4" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false" aggregation="none">

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</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_dst46160D\_CDAB\_4e9d\_A2BF\_DF1ECAC108FB" visibility="public" association="EAID\_EB46160D\_CDAB\_4e9d\_A2BF\_DF1ECAC108FB" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false" aggregation="none">

<type xmi:idref="EAID\_642283DE\_4A64\_4b12\_B987\_2F095D1C49FB"/>

</ownedAttribute>

<generalization xmi:type="uml:Generalization" xmi:id="EAID\_F6B4C4CD\_9B22\_448c\_8009\_2E3F6B9B1198" general="EAID\_16787D24\_5A39\_4d88\_8D71\_17FAD32D0B83"/>

<ownedAttribute xmi:type="uml:Property" xmi:id="EAID\_dst9CA0F7\_AE00\_4951\_9082\_8E2EBA19062A" visibility="public" association="EAID\_FB9CA0F7\_AE00\_4951\_9082\_8E2EBA19062A" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false" aggregation="none">

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</ownedAttribute>

</packagedElement>

<packagedElement xmi:type="uml:Association" xmi:id="EAID\_5A450192\_2077\_465d\_B451\_2834958CE86D" name="lod1 MultiSurface &lt;&lt;Property&gt;&gt;" visibility="public">

<memberEnd xmi:idref="EAID\_dst450192\_2077\_465d\_B451\_2834958CE86D"/>

<memberEnd xmi:idref="EAID\_src450192\_2077\_465d\_B451\_2834958CE86D"/>

<ownedEnd xmi:type="uml:Property" xmi:id="EAID\_src450192\_2077\_465d\_B451\_2834958CE86D" visibility="public" association="EAID\_5A450192\_2077\_465d\_B451\_2834958CE86D" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false" aggregation="none">

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</ownedEnd>

</packagedElement>

<packagedElement xmi:type="uml:Association" xmi:id="EAID\_6DAB7214\_8EA2\_4ef1\_A0FA\_5C3900B81D57" name="+ abstractUnoccupiedSpace &lt;&lt;Property&gt;&gt;" visibility="public">

<memberEnd xmi:idref="EAID\_dstAB7214\_8EA2\_4ef1\_A0FA\_5C3900B81D57"/>

<memberEnd xmi:idref="EAID\_srcAB7214\_8EA2\_4ef1\_A0FA\_5C3900B81D57"/>

<ownedEnd xmi:type="uml:Property" xmi:id="EAID\_srcAB7214\_8EA2\_4ef1\_A0FA\_5C3900B81D57" visibility="public" association="EAID\_6DAB7214\_8EA2\_4ef1\_A0FA\_5C3900B81D57" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false" aggregation="none">

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</ownedEnd>

</packagedElement>

<packagedElement xmi:type="uml:Association" xmi:id="EAID\_949EAA12\_6FBE\_4b16\_BBAF\_B8F5EFAAECE4" name="lod3 MultiSurface &lt;&lt;Property&gt;&gt;" visibility="public">

<memberEnd xmi:idref="EAID\_dst9EAA12\_6FBE\_4b16\_BBAF\_B8F5EFAAECE4"/>

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<ownedEnd xmi:type="uml:Property" xmi:id="EAID\_src9EAA12\_6FBE\_4b16\_BBAF\_B8F5EFAAECE4" visibility="public" association="EAID\_949EAA12\_6FBE\_4b16\_BBAF\_B8F5EFAAECE4" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false" aggregation="none">

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</ownedEnd>

</packagedElement>

<packagedElement xmi:type="uml:Association" xmi:id="EAID\_EB46160D\_CDAB\_4e9d\_A2BF\_DF1ECAC108FB" name="lod2 MultiSurface &lt;&lt;Property&gt;&gt;" visibility="public">

<memberEnd xmi:idref="EAID\_dst46160D\_CDAB\_4e9d\_A2BF\_DF1ECAC108FB"/>

<memberEnd xmi:idref="EAID\_src46160D\_CDAB\_4e9d\_A2BF\_DF1ECAC108FB"/>

<ownedEnd xmi:type="uml:Property" xmi:id="EAID\_src46160D\_CDAB\_4e9d\_A2BF\_DF1ECAC108FB" visibility="public" association="EAID\_EB46160D\_CDAB\_4e9d\_A2BF\_DF1ECAC108FB" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false" aggregation="none">

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</ownedEnd>

</packagedElement>

<packagedElement xmi:type="uml:Association" xmi:id="EAID\_FB9CA0F7\_AE00\_4951\_9082\_8E2EBA19062A" name="lod0 MultiSurface &lt;&lt;Property&gt;&gt;" visibility="public">

<memberEnd xmi:idref="EAID\_dst9CA0F7\_AE00\_4951\_9082\_8E2EBA19062A"/>

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<ownedEnd xmi:type="uml:Property" xmi:id="EAID\_src9CA0F7\_AE00\_4951\_9082\_8E2EBA19062A" visibility="public" association="EAID\_FB9CA0F7\_AE00\_4951\_9082\_8E2EBA19062A" isStatic="false" isReadOnly="false" isDerived="false" isOrdered="false" isUnique="true" isDerivedUnion="false" aggregation="none">

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</ownedEnd>

</packagedElement>

</packagedElement>

<CityGML:FeatureType base\_Class="EAID\_597E2B4E\_6615\_437e\_B4A8\_329962D28A73" gmlMixin="False" noPropertyType="false" isCollection="false" byValuePropertyType="false"/>

<CityGML:Property base\_Property="EAID\_2E3C514E\_ADB5\_4f4d\_B0C1\_C954CBB05FF5" isMetadata="false" inlineOrByReference="inlineOrByReference" sequenceNumber="8"/>

<CityGML:Property base\_Property="EAID\_5780CCF7\_4D4C\_4846\_BBCE\_FD2D0019BDB7" isMetadata="false" inlineOrByReference="inlineOrByReference" sequenceNumber="1"/>

<CityGML:Property base\_Property="EAID\_45996C4A\_53D7\_4169\_AF20\_8B17AACD4426" isMetadata="false" inlineOrByReference="inlineOrByReference" sequenceNumber="2"/>

<CityGML:Property base\_Property="EAID\_64840A8D\_3A54\_4419\_9F09\_995952408F26" isMetadata="false" inlineOrByReference="inlineOrByReference" sequenceNumber="3"/>

<CityGML:Property base\_Property="EAID\_dst3FC128\_3876\_4960\_AE99\_01CA0660B47C" xsdEncodingRule="$ea\_notes=Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;" isMetadata="false$ea\_notes=Values: True,False&#xA;Default: false&#xA;Description: Indicates whether the property is considered metadata about the instance - and not information about the phenomenon in the real world.&#xA;" inlineOrByReference="inline$ea\_notes= Controls whether property values may be encoded inline or by reference.&#xA;" sequenceNumber="4$ea\_notes= Unique integer value for properties of the type used to sort properties.&#xA;"/>

<CityGML:Property base\_Property="EAID\_dstED9C6F\_996E\_4c8f\_8F77\_227BCE063A7B" xsdEncodingRule="$ea\_notes=Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;" isMetadata="false$ea\_notes=Values: True,False&#xA;Default: false&#xA;Description: Indicates whether the property is considered metadata about the instance - and not information about the phenomenon in the real world.&#xA;" inlineOrByReference="inline$ea\_notes= Controls whether property values may be encoded inline or by reference.&#xA;" sequenceNumber="7$ea\_notes= Unique integer value for properties of the type used to sort properties.&#xA;"/>

<CityGML:Property base\_Property="EAID\_dstC7EB08\_8218\_4ea2\_92FC\_17E6556D2499" xsdEncodingRule="$ea\_notes=Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;" isMetadata="false$ea\_notes=Values: True,False&#xA;Default: false&#xA;Description: Indicates whether the property is considered metadata about the instance - and not information about the phenomenon in the real world.&#xA;" inlineOrByReference="inline$ea\_notes= Controls whether property values may be encoded inline or by reference.&#xA;" sequenceNumber="5$ea\_notes= Unique integer value for properties of the type used to sort properties.&#xA;"/>

<CityGML:Property base\_Property="EAID\_dst601DA3\_8635\_4d12\_B5E0\_2778AB3E08E1" xsdEncodingRule="$ea\_notes=Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;" isMetadata="false$ea\_notes=Values: True,False&#xA;Default: false&#xA;Description: Indicates whether the property is considered metadata about the instance - and not information about the phenomenon in the real world.&#xA;" inlineOrByReference="inline$ea\_notes= Controls whether property values may be encoded inline or by reference.&#xA;" sequenceNumber="6$ea\_notes= Unique integer value for properties of the type used to sort properties.&#xA;"/>

<CityGML:FeatureType base\_Class="EAID\_342B50BA\_81EC\_4980\_91AD\_756077EC2977" gmlMixin="false" noPropertyType="false" isCollection="false" byValuePropertyType="false"/>

<CityGML:Property base\_Property="EAID\_B290E2BE\_440B\_4994\_A50B\_6FA766A1619B" isMetadata="false" inlineOrByReference="inlineOrByReference" sequenceNumber="7"/>

<CityGML:Property base\_Property="EAID\_6F12D720\_D2AE\_48d5\_95EE\_4A4AA7EACC3D" isMetadata="false" inlineOrByReference="inlineOrByReference" sequenceNumber="1"/>

<CityGML:Property base\_Property="EAID\_D11D4EAB\_D5F5\_4993\_8AC3\_2492F7F21996" isMetadata="false" inlineOrByReference="inlineOrByReference" sequenceNumber="2"/>

<CityGML:Property base\_Property="EAID\_896F14A2\_EDCC\_46bc\_8EEE\_65FF15A139BB" isMetadata="false" inlineOrByReference="inlineOrByReference" sequenceNumber="3"/>

<CityGML:Property base\_Property="EAID\_dst3065B5\_5505\_49c8\_846F\_35E697134F23" xsdEncodingRule="$ea\_notes=Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;" isMetadata="false$ea\_notes=Values: True,False&#xA;Default: false&#xA;Description: Indicates whether the property is considered metadata about the instance - and not information about the phenomenon in the real world.&#xA;" inlineOrByReference="byReference$ea\_notes= Controls whether property values may be encoded inline or by reference.&#xA;" sequenceNumber="5$ea\_notes= Unique integer value for properties of the type used to sort properties.&#xA;"/>

<CityGML:Property base\_Property="EAID\_dst5EE893\_A123\_4ace\_9CE9\_80E585827CB6" xsdEncodingRule="$ea\_notes=Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;" isMetadata="false$ea\_notes=Values: True,False&#xA;Default: false&#xA;Description: Indicates whether the property is considered metadata about the instance - and not information about the phenomenon in the real world.&#xA;" inlineOrByReference="byReference$ea\_notes= Controls whether property values may be encoded inline or by reference.&#xA;" sequenceNumber="4$ea\_notes= Unique integer value for properties of the type used to sort properties.&#xA;"/>

<CityGML:Property base\_Property="EAID\_dst31EE75\_FFFA\_4e79\_B8F4\_EC20CB8B6022" xsdEncodingRule="$ea\_notes=Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;" isMetadata="false$ea\_notes=Values: True,False&#xA;Default: false&#xA;Description: Indicates whether the property is considered metadata about the instance - and not information about the phenomenon in the real world.&#xA;" inlineOrByReference="inlineOrByReference$ea\_notes=Values: inline,byReference,inlineOrByReference&#xA;Default: inlineOrByReference&#xA;Description: Controls whether property values may be encoded inline or by reference.&#xA;" sequenceNumber="6$ea\_notes= Unique integer value for properties of the type used to sort properties.&#xA;"/>

<CityGML:CodeList base\_Class="EAID\_3CF6B7B6\_7C79\_4eac\_9233\_FD10B4344DAA" asDictionary="true"/>

<CityGML:CodeList base\_Class="EAID\_8308282C\_1719\_4c4a\_96CA\_EF038803D2D2" asDictionary="true"/>

<CityGML:CodeList base\_Class="EAID\_81DDA72B\_FCB0\_428d\_8FE5\_56FE776A0710" asDictionary="true"/>

<CityGML:TopLevelFeatureType base\_Class="EAID\_385B097B\_BB31\_47a6\_892E\_BC5FA36EB095" gmlMixin="false" noPropertyType="false" isCollection="false" byValuePropertyType="false"/>

<CityGML:Property base\_Property="EAID\_6628BA12\_B969\_4cc7\_B61E\_449A29C9FB46" isMetadata="false" inlineOrByReference="inlineOrByReference" sequenceNumber="2"/>

<CityGML:Property base\_Property="EAID\_dstAB8DFB\_2A96\_41e0\_8278\_512E897C79C5" xsdEncodingRule="$ea\_notes=Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;" isMetadata="false$ea\_notes=Values: True,False&#xA;Default: false&#xA;Description: Indicates whether the property is considered metadata about the instance - and not information about the phenomenon in the real world.&#xA;" inlineOrByReference="inlineOrByReference$ea\_notes=Values: inline,byReference,inlineOrByReference&#xA;Default: inlineOrByReference&#xA;Description: Controls whether property values may be encoded inline or by reference.&#xA;" sequenceNumber="1$ea\_notes= Unique integer value for properties of the type used to sort properties.&#xA;"/>

<CityGML:CodeList base\_Class="EAID\_489E797E\_E2A6\_48e3\_9C49\_CCFF433BA5E6" asDictionary="true"/>

<CityGML:FeatureType base\_Class="EAID\_CADE8C3F\_C7A9\_46e0\_83FA\_B6597FF4FAAF" gmlMixin="false" noPropertyType="false" isCollection="false" byValuePropertyType="false"/>

<CityGML:Property base\_Property="EAID\_CEC88C72\_7C91\_4213\_8EF3\_951F1DDBB021" isMetadata="false" inlineOrByReference="inlineOrByReference" sequenceNumber="4"/>

<CityGML:Property base\_Property="EAID\_CA954D0F\_0812\_4433\_8524\_7AAE3AFBC491" isMetadata="false" inlineOrByReference="inlineOrByReference" sequenceNumber="1"/>

<CityGML:Property base\_Property="EAID\_48A802BC\_8E19\_4210\_8D9B\_EDBB7A5FC861" isMetadata="false" inlineOrByReference="inlineOrByReference" sequenceNumber="2"/>

<CityGML:Property base\_Property="EAID\_B6DDD7CF\_0D14\_46db\_8C0C\_272082F97F30" isMetadata="false" inlineOrByReference="inlineOrByReference" sequenceNumber="3"/>

<CityGML:CodeList base\_Class="EAID\_85C9204C\_B577\_4a9f\_821C\_0F6D10F5AB89" asDictionary="true"/>

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<CityGML:Property base\_Property="EAID\_9C0C5058\_5E3D\_4940\_96AC\_8535A4138282" isMetadata="false" inlineOrByReference="inlineOrByReference" sequenceNumber="4"/>

<CityGML:Property base\_Property="EAID\_A837467E\_AD4B\_464d\_AD9F\_BFDDC643FB54" isMetadata="false" inlineOrByReference="inlineOrByReference" sequenceNumber="1"/>

<CityGML:Property base\_Property="EAID\_0DCC1B1F\_6533\_4fdb\_A1C2\_7DCDD2FB9E9E" isMetadata="false" inlineOrByReference="inlineOrByReference" sequenceNumber="2"/>

<CityGML:Property base\_Property="EAID\_239A9044\_2705\_42ae\_916F\_8460B57CDBFC" isMetadata="false" inlineOrByReference="inlineOrByReference" sequenceNumber="3"/>

<CityGML:CodeList base\_Class="EAID\_26B46311\_E2A9\_4fd5\_96D7\_ACD8FDA89CAD" asDictionary="true"/>

<CityGML:CodeList base\_Class="EAID\_EB46A2D5\_D288\_4163\_88C5\_00725183BD17" asDictionary="true"/>

<CityGML:CodeList base\_Class="EAID\_205CDA84\_4131\_4ac3\_A86F\_9B6F1B30DB00" asDictionary="true"/>

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<CityGML:Property base\_Property="EAID\_BC5EE621\_B2ED\_4270\_8C49\_CBB96EED2B86" isMetadata="false" inlineOrByReference="inlineOrByReference" sequenceNumber="4"/>

<CityGML:Property base\_Property="EAID\_DAE0EA6D\_AAAB\_4f6c\_8BB0\_E1A269A71E65" isMetadata="false" inlineOrByReference="inlineOrByReference" sequenceNumber="1"/>

<CityGML:Property base\_Property="EAID\_CB137DA4\_2F12\_4c5e\_9731\_54881C11B0FC" isMetadata="false" inlineOrByReference="inlineOrByReference" sequenceNumber="2"/>

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<CityGML:Property base\_Property="EAID\_5D2BA1DC\_F642\_434f\_8828\_5A584BAA42CB" isMetadata="false" inlineOrByReference="inlineOrByReference" sequenceNumber="1"/>

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<CityGML:Property base\_Property="EAID\_6B84C6C5\_3624\_41bc\_B6A4\_FBAA1B65A261" isMetadata="false" inlineOrByReference="inlineOrByReference"/>

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<CityGML:Property base\_Property="EAID\_754D4442\_54D2\_4a26\_A393\_9061580993B9" isMetadata="false" inlineOrByReference="inlineOrByReference"/>

<CityGML:Property base\_Property="EAID\_06D47AAA\_D9A8\_4862\_9891\_05AD913DBCCA" isMetadata="false" inlineOrByReference="inlineOrByReference"/>

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<CityGML:Property base\_Property="EAID\_9B11AA78\_8A93\_482d\_A750\_F0880DD09239" isMetadata="false" inlineOrByReference="inlineOrByReference"/>

<CityGML:ApplicationSchema base\_Package="EAPK\_070A5649\_8282\_4ad3\_A1DE\_A9A41FCB55B8" version="3.0.0" language="en" xsdDocument="tunnel.xsd" xmlns="tun" targetNamespace="http://www.opengis.net/citygml/tunnel/3.0"/>

</uml:Model>

<xmi:Extension extender="Enterprise Architect" extenderID="6.5">

<elements>

<element xmi:idref="EAPK\_070A5649\_8282\_4ad3\_A1DE\_A9A41FCB55B8" xmi:type="uml:Package" name="Tunnel" scope="public">

<model package2="EAID\_070A5649\_8282\_4ad3\_A1DE\_A9A41FCB55B8" package="EAPK\_369E0123\_00FC\_4098\_BEF2\_3BB506B2012A" tpos="0" ea\_localid="16" ea\_eleType="package"/>

<properties documentation="The Tunnel module supports representation of thematic and spatial aspects of tunnels, tunnel parts, tunnel installations, and interior tunnel structures." isSpecification="false" sType="Package" nType="0" scope="public" stereotype="ApplicationSchema"/>

<project author="ebbinghaus" version="1.0" phase="1.0" created="2012-11-21 15:39:42" modified="2020-02-27 17:56:36" complexity="1" status="Proposed"/>

<code gentype="Java"/>

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<tag xmi:id="EAID\_48460EC2\_A4E8\_72a4\_AF22\_F221C22A21DC" name="gmlProfileSchema" value="#NOTES#Description: URL of the schema location of a GML profile (optional)&#xA;" modelElement="EAID\_070A5649\_8282\_4ad3\_A1DE\_A9A41FCB55B8"/>

<tag xmi:id="EAID\_DEB7F7C4\_CC2A\_41cc\_9419\_5C704A5F142D" name="language" value="en" modelElement="EAID\_070A5649\_8282\_4ad3\_A1DE\_A9A41FCB55B8"/>

<tag xmi:id="EAID\_393CD814\_DD9A\_9cdd\_AFF1\_3B131DE33BEE" name="targetNamespace" value="http://www.opengis.net/citygml/tunnel/3.0#NOTES#Description: Target XML namespace of the application schema&#xA;" modelElement="EAID\_070A5649\_8282\_4ad3\_A1DE\_A9A41FCB55B8"/>

<tag xmi:id="EAID\_6F40CEE6\_AE8C\_0eae\_ADA4\_B2D6BA164871" name="version" value="3.0.0#NOTES#Description: Current version of the application schema&#xA;" modelElement="EAID\_070A5649\_8282\_4ad3\_A1DE\_A9A41FCB55B8"/>

<tag xmi:id="EAID\_08B91BD2\_D9F8\_1ed9\_8EE9\_3C05360AD061" name="xmlns" value="tun#NOTES#Description: Namespace prefix to be used as short form of the target namespace&#xA;" modelElement="EAID\_070A5649\_8282\_4ad3\_A1DE\_A9A41FCB55B8"/>

<tag xmi:id="EAID\_6E79370E\_DD94\_9fdd\_9D0C\_4617337384B8" name="xsdDocument" value="tunnel.xsd#NOTES#Description: Name of an XML Schema document to create representing the content of this package&#xA;" modelElement="EAID\_070A5649\_8282\_4ad3\_A1DE\_A9A41FCB55B8"/>

</tags>

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<extendedProperties tagged="0" package\_name="CityGML"/>

<packageproperties version="1.0" xmiver="Enterprise Architect XMI/UML 1.3" tpos="0"/>

<paths/>

<times created="2012-11-21 15:39:42" modified="2020-02-27 17:56:36" lastloaddate="2017-06-23 14:44:15" lastsavedate="2012-11-23 14:46:40"/>

<flags iscontrolled="FALSE" isprotected="FALSE" batchsave="0" batchload="0" usedtd="FALSE" logxml="FALSE" packageFlags="Recurse=0;"/>

</element>

<element xmi:idref="EAID\_597E2B4E\_6615\_437e\_B4A8\_329962D28A73" xmi:type="uml:Class" name="AbstractTunnel" scope="public">

<model package="EAPK\_070A5649\_8282\_4ad3\_A1DE\_A9A41FCB55B8" tpos="0" ea\_localid="140" ea\_eleType="element"/>

<properties documentation="AbstractTunnel is an abstract superclass representing the common attributes and associations of the classes Tunnel and TunnelPart." isSpecification="false" sType="Class" nType="0" scope="public" stereotype="FeatureType" isRoot="false" isLeaf="false" isAbstract="true" isActive="false"/>

<project author="ebbinghaus" version="1.0" phase="1.0" created="2012-07-09 12:34:53" modified="2020-05-26 15:41:03" complexity="1" status="Proposed"/>

<code product\_name="Java" gentype="Java"/>

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<tag xmi:id="EAID\_ED33D65F\_A24E\_81a2\_BAB5\_4813B8E3D658" name="byValuePropertyType" value="false#NOTES#Values: True,False&#xA;Default: false&#xA;Description: Create a property type that requires that the instance is encoded inline.&#xA;" modelElement="EAID\_597E2B4E\_6615\_437e\_B4A8\_329962D28A73"/>

<tag xmi:id="EAID\_D8E5B7C5\_7754\_6c77\_B22C\_41432E0AB721" name="gmlMixin" value="False#NOTES#Values: True,False&#xA;Default: false&#xA;Description: Identifies the feature type as a mixin class.&#xA;" modelElement="EAID\_597E2B4E\_6615\_437e\_B4A8\_329962D28A73"/>

<tag xmi:id="EAID\_26B33348\_1E57\_d91e\_9D40\_5E926786BFF0" name="isCollection" value="false#NOTES#Values: True,False&#xA;Default: false&#xA;Description: Identifies the feature type as a feature collection.&#xA;" modelElement="EAID\_597E2B4E\_6615\_437e\_B4A8\_329962D28A73"/>

<tag xmi:id="EAID\_F9638764\_E613\_9ee6\_A1C5\_E048CE06BFA7" name="noPropertyType" value="false#NOTES#Values: True,False&#xA;Default: false&#xA;Description: Suppress creation of a standard property type that supports inline or by-reference encoding.&#xA;" modelElement="EAID\_597E2B4E\_6615\_437e\_B4A8\_329962D28A73"/>

</tags>

<xrefs value="$XREFPROP=$XID={898CFC23-D9E7-477a-9275-4591A423A767}$XID;$NAM=Stereotypes$NAM;$TYP=element property$TYP;$VIS=Public$VIS;$PAR=0$PAR;$DES=@STEREO;Name=FeatureType;FQName=CityGML::FeatureType;@ENDSTEREO;$DES;$CLT={597E2B4E-6615-437e-B4A8-329962D28A73}$CLT;$SUP=&lt;none&gt;$SUP;$ENDXREF;$XREFPROP=$XID={E41B0305-BE0F-4f0c-93AE-4A86DB8EF090}$XID;$NAM=CustomProperties$NAM;$TYP=element property$TYP;$VIS=Public$VIS;$PAR=0$PAR;$DES=@PROP=@NAME=isActive@ENDNAME;@TYPE=Boolean@ENDTYPE;@VALU=0@ENDVALU;@PRMT=@ENDPRMT;@ENDPROP;$DES;$CLT={597E2B4E-6615-437e-B4A8-329962D28A73}$CLT;$ENDXREF;"/>

<extendedProperties tagged="0" package\_name="Tunnel"/>

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<attribute xmi:idref="EAID\_2E3C514E\_ADB5\_4f4d\_B0C1\_C954CBB05FF5" name="adeOfAbstractTunnel" scope="Public">

<initial/>

<documentation value="Augments AbstractTunnel with properties defined in an ADE."/>

<model ea\_localid="10599" ea\_guid="{2E3C514E-ADB5-4f4d-B0C1-C954CBB05FF5}"/>

<properties type="ADEOfAbstractTunnel" collection="false" static="0" duplicates="0" changeability="changeable"/>

<coords ordered="0"/>

<containment containment="Not Specified" position="3"/>

<stereotype stereotype="Property"/>

<bounds lower="0" upper="\*"/>

<options/>

<style/>

<styleex value="volatile=0;union=0;"/>

<tags>

<tag xmi:id="EAID\_E810E922\_58E8\_b658\_A81B\_6F9910B3D2FC" name="sequenceNumber" value="8" notes="Description: Unique integer value for properties of the type used to sort properties.&#xA;"/>

<tag xmi:id="EAID\_37DFCA0A\_B550\_b0b5\_B326\_936CA92FB6D8" name="inlineOrByReference" value="inlineOrByReference" notes="Values: inline,byReference,inlineOrByReference&#xA;Default: inlineOrByReference&#xA;Description: Controls whether property values may be encoded inline or by reference.&#xA;"/>

<tag xmi:id="EAID\_08A8199D\_FE63\_35fe\_A5E4\_444994ED58DB" name="isMetadata" value="false" notes="Values: True,False&#xA;Default: false&#xA;Description: Indicates whether the property is considered metadata about the instance - and not information about the phenomenon in the real world.&#xA;"/>

<tag xmi:id="EAID\_BCD3CBEE\_9454\_f194\_B2FA\_4FD5E5E6C71D" name="xsdEncodingRule" notes="Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;"/>

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</attribute>

<attribute xmi:idref="EAID\_5780CCF7\_4D4C\_4846\_BBCE\_FD2D0019BDB7" name="class" scope="Public">

<initial/>

<documentation value="Indicates the specific type of the Tunnel or TunnelPart."/>

<model ea\_localid="200" ea\_guid="{5780CCF7-4D4C-4846-BBCE-FD2D0019BDB7}"/>

<properties type="TunnelClassValue" derived="0" precision="0" collection="false" length="0" static="0" duplicates="0" changeability="changeable"/>

<coords ordered="0" scale="0"/>

<containment containment="Not Specified" position="0"/>

<stereotype stereotype="Property"/>

<bounds lower="0" upper="1"/>

<options/>

<style/>

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<tags>

<tag xmi:id="EAID\_E810E922\_58E8\_b658\_ADD7\_3D62F745A89B" name="sequenceNumber" value="1" notes="Description: Unique integer value for properties of the type used to sort properties.&#xA;"/>

<tag xmi:id="EAID\_37DFCA0A\_B550\_b0b5\_B98D\_B2F3354A45BC" name="inlineOrByReference" value="inlineOrByReference" notes="Values: inline,byReference,inlineOrByReference&#xA;Default: inlineOrByReference&#xA;Description: Controls whether property values may be encoded inline or by reference.&#xA;"/>

<tag xmi:id="EAID\_08A8199D\_FE63\_35fe\_8944\_A2E96F557591" name="isMetadata" value="false" notes="Values: True,False&#xA;Default: false&#xA;Description: Indicates whether the property is considered metadata about the instance - and not information about the phenomenon in the real world.&#xA;"/>

<tag xmi:id="EAID\_BCD3CBEE\_9454\_f194\_AADD\_F1065FF0F673" name="xsdEncodingRule" notes="Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;"/>

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</attribute>

<attribute xmi:idref="EAID\_45996C4A\_53D7\_4169\_AF20\_8B17AACD4426" name="function" scope="Public">

<initial/>

<documentation value="Specifies the intended purposes of the Tunnel or TunnelPart."/>

<model ea\_localid="201" ea\_guid="{45996C4A-53D7-4169-AF20-8B17AACD4426}"/>

<properties type="TunnelFunctionValue" derived="0" precision="0" collection="false" length="0" static="0" duplicates="0" changeability="changeable"/>

<coords ordered="0" scale="0"/>

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<stereotype stereotype="Property"/>

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<tags>

<tag xmi:id="EAID\_E810E922\_58E8\_b658\_9068\_839B10EEB89A" name="sequenceNumber" value="2" notes="Description: Unique integer value for properties of the type used to sort properties.&#xA;"/>

<tag xmi:id="EAID\_37DFCA0A\_B550\_b0b5\_8BA6\_E095EDB90B5A" name="inlineOrByReference" value="inlineOrByReference" notes="Values: inline,byReference,inlineOrByReference&#xA;Default: inlineOrByReference&#xA;Description: Controls whether property values may be encoded inline or by reference.&#xA;"/>

<tag xmi:id="EAID\_08A8199D\_FE63\_35fe\_A581\_BD25FCBAB198" name="isMetadata" value="false" notes="Values: True,False&#xA;Default: false&#xA;Description: Indicates whether the property is considered metadata about the instance - and not information about the phenomenon in the real world.&#xA;"/>

<tag xmi:id="EAID\_BCD3CBEE\_9454\_f194\_A3A6\_E82E4F3AB31F" name="xsdEncodingRule" notes="Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;"/>

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</attribute>

<attribute xmi:idref="EAID\_64840A8D\_3A54\_4419\_9F09\_995952408F26" name="usage" scope="Public">

<initial/>

<documentation value="Specifies the actual uses of the Tunnel or TunnelPart."/>

<model ea\_localid="202" ea\_guid="{64840A8D-3A54-4419-9F09-995952408F26}"/>

<properties type="TunnelUsageValue" derived="0" precision="0" collection="false" length="0" static="0" duplicates="0" changeability="changeable"/>

<coords ordered="0" scale="0"/>

<containment containment="Not Specified" position="2"/>

<stereotype stereotype="Property"/>

<bounds lower="0" upper="\*"/>

<options/>

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<tags>

<tag xmi:id="EAID\_E810E922\_58E8\_b658\_B9D3\_860914F8EF0E" name="sequenceNumber" value="3" notes="Description: Unique integer value for properties of the type used to sort properties.&#xA;"/>

<tag xmi:id="EAID\_37DFCA0A\_B550\_b0b5\_8483\_50B99951F67B" name="inlineOrByReference" value="inlineOrByReference" notes="Values: inline,byReference,inlineOrByReference&#xA;Default: inlineOrByReference&#xA;Description: Controls whether property values may be encoded inline or by reference.&#xA;"/>

<tag xmi:id="EAID\_08A8199D\_FE63\_35fe\_92B0\_CE7ABBE78BDC" name="isMetadata" value="false" notes="Values: True,False&#xA;Default: false&#xA;Description: Indicates whether the property is considered metadata about the instance - and not information about the phenomenon in the real world.&#xA;"/>

<tag xmi:id="EAID\_BCD3CBEE\_9454\_f194\_8F0B\_675536BDFBDF" name="xsdEncodingRule" notes="Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;"/>

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<Generalization xmi:id="EAID\_54908F57\_C101\_45eb\_9DCE\_6EB42D111747" start="EAID\_597E2B4E\_6615\_437e\_B4A8\_329962D28A73" end="EAID\_D8E4EAFC\_9DAF\_4cba\_9169\_984738657435"/>

<Association xmi:id="EAID\_5CED9C6F\_996E\_4c8f\_8F77\_227BCE063A7B" start="EAID\_597E2B4E\_6615\_437e\_B4A8\_329962D28A73" end="EAID\_BA0BFCD8\_7313\_41aa\_A49E\_4FEB39F3F640"/>

<Association xmi:id="EAID\_6DC7EB08\_8218\_4ea2\_92FC\_17E6556D2499" start="EAID\_597E2B4E\_6615\_437e\_B4A8\_329962D28A73" end="EAID\_4BD38C53\_DB8F\_4be8\_8CAF\_4BD76D13A667"/>

<Association xmi:id="EAID\_FC601DA3\_8635\_4d12\_B5E0\_2778AB3E08E1" start="EAID\_597E2B4E\_6615\_437e\_B4A8\_329962D28A73" end="EAID\_342B50BA\_81EC\_4980\_91AD\_756077EC2977"/>

<Generalization xmi:id="EAID\_0471AF7A\_EBF8\_4956\_AF7A\_B05F06CE89AA" start="EAID\_C578A63A\_9CC6\_4eec\_B087\_7FBE4E3CE003" end="EAID\_597E2B4E\_6615\_437e\_B4A8\_329962D28A73"/>

<Generalization xmi:id="EAID\_62B788D8\_6A45\_4d38\_A4AB\_FC55FCB5E2B8" start="EAID\_385B097B\_BB31\_47a6\_892E\_BC5FA36EB095" end="EAID\_597E2B4E\_6615\_437e\_B4A8\_329962D28A73"/>

</links>

</element>

<element xmi:idref="EAID\_0407E7ED\_F8F2\_4235\_81CD\_7D6013532643" xmi:type="uml:Class" name="Class1" scope="public">

<model package="EAPK\_070A5649\_8282\_4ad3\_A1DE\_A9A41FCB55B8" tpos="0" ea\_localid="8354" ea\_eleType="element"/>

<properties isSpecification="false" sType="Class" nType="0" scope="public" isRoot="false" isLeaf="false" isAbstract="false" isActive="false"/>

<project author="User" version="1.0" phase="1.0" created="2021-09-26 04:32:58" modified="2021-09-26 04:32:58" complexity="1" status="Proposed"/>

<code gentype="Java"/>

<style appearance="BackColor=-1;BorderColor=-1;BorderWidth=-1;FontColor=-1;VSwimLanes=1;HSwimLanes=1;BorderStyle=0;"/>

<tags/>

<xrefs/>

<extendedProperties tagged="0" package\_name="Tunnel"/>

</element>

<element xmi:idref="EAID\_2150BC3A\_DB8F\_4ccc\_961D\_D9A3EDAB1F4D" xmi:type="uml:Class" name="Class2" scope="public">

<model package="EAPK\_070A5649\_8282\_4ad3\_A1DE\_A9A41FCB55B8" tpos="0" ea\_localid="8355" ea\_eleType="element"/>

<properties isSpecification="false" sType="Class" nType="0" scope="public" isRoot="false" isLeaf="false" isAbstract="false" isActive="false"/>

<project author="User" version="1.0" phase="1.0" created="2021-09-26 04:33:02" modified="2021-09-26 04:33:02" complexity="1" status="Proposed"/>

<code gentype="Java"/>

<style appearance="BackColor=-1;BorderColor=-1;BorderWidth=-1;FontColor=-1;VSwimLanes=1;HSwimLanes=1;BorderStyle=0;"/>

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<extendedProperties tagged="0" package\_name="Tunnel"/>

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<element xmi:idref="EAID\_0B2883B4\_E695\_48cb\_9C49\_99C7F7A0B515" xmi:type="uml:Class" name="Class3" scope="public">

<model package="EAPK\_070A5649\_8282\_4ad3\_A1DE\_A9A41FCB55B8" tpos="0" ea\_localid="8356" ea\_eleType="element"/>

<properties isSpecification="false" sType="Class" nType="0" scope="public" isRoot="false" isLeaf="false" isAbstract="false" isActive="false"/>

<project author="User" version="1.0" phase="1.0" created="2021-09-26 04:45:27" modified="2021-09-26 04:45:27" complexity="1" status="Proposed"/>

<code gentype="Java"/>

<style appearance="BackColor=-1;BorderColor=-1;BorderWidth=-1;FontColor=-1;VSwimLanes=1;HSwimLanes=1;BorderStyle=0;"/>

<tags/>

<xrefs/>

<extendedProperties tagged="0" package\_name="Tunnel"/>

</element>

<element xmi:idref="EAID\_342B50BA\_81EC\_4980\_91AD\_756077EC2977" xmi:type="uml:Class" name="HollowSpace" scope="public">

<model package="EAPK\_070A5649\_8282\_4ad3\_A1DE\_A9A41FCB55B8" tpos="0" ea\_localid="135" ea\_eleType="element"/>

<properties documentation="A HollowSpace is a space within a Tunnel or TunnelPart intended for certain functions (e.g. transport or passage ways, service rooms, emergency shelters). A HollowSpace is bounded physically and/or virtually (e.g. by ClosureSurfaces or GenericSurfaces)." isSpecification="false" sType="Class" nType="0" scope="public" stereotype="FeatureType" isRoot="false" isLeaf="false" isAbstract="false" isActive="false"/>

<project author="ebbinghaus" version="1.0" phase="1.0" created="2012-07-09 12:34:53" modified="2020-05-26 16:16:25" complexity="1" status="Proposed"/>

<code product\_name="Java" gentype="Java"/>

<style appearance="BackColor=-1;BorderColor=-1;BorderWidth=-1;FontColor=-1;VSwimLanes=1;HSwimLanes=1;BorderStyle=0;"/>

<tags>

<tag xmi:id="EAID\_ED33D65F\_A24E\_81a2\_925A\_F62EBEC47790" name="byValuePropertyType" value="false#NOTES#Values: True,False&#xA;Default: false&#xA;Description: Create a property type that requires that the instance is encoded inline.&#xA;" modelElement="EAID\_342B50BA\_81EC\_4980\_91AD\_756077EC2977"/>

<tag xmi:id="EAID\_D8E5B7C5\_7754\_6c77\_AF76\_89231B0B78F0" name="gmlMixin" value="false#NOTES#Values: True,False&#xA;Default: false&#xA;Description: Identifies the feature type as a mixin class.&#xA;" modelElement="EAID\_342B50BA\_81EC\_4980\_91AD\_756077EC2977"/>

<tag xmi:id="EAID\_26B33348\_1E57\_d91e\_AC5C\_FB07AD5B15E1" name="isCollection" value="false#NOTES#Values: True,False&#xA;Default: false&#xA;Description: Identifies the feature type as a feature collection.&#xA;" modelElement="EAID\_342B50BA\_81EC\_4980\_91AD\_756077EC2977"/>

<tag xmi:id="EAID\_F9638764\_E613\_9ee6\_BBD6\_099467E23BBA" name="noPropertyType" value="false#NOTES#Values: True,False&#xA;Default: false&#xA;Description: Suppress creation of a standard property type that supports inline or by-reference encoding.&#xA;" modelElement="EAID\_342B50BA\_81EC\_4980\_91AD\_756077EC2977"/>

</tags>

<xrefs value="$XREFPROP=$XID={DE76EE9B-FC40-4be0-A358-5A30D2F1F08B}$XID;$NAM=Stereotypes$NAM;$TYP=element property$TYP;$VIS=Public$VIS;$PAR=0$PAR;$DES=@STEREO;Name=FeatureType;FQName=CityGML::FeatureType;@ENDSTEREO;$DES;$CLT={342B50BA-81EC-4980-91AD-756077EC2977}$CLT;$SUP=&lt;none&gt;$SUP;$ENDXREF;$XREFPROP=$XID={62F78C15-545B-47f9-950A-72F7370C5583}$XID;$NAM=CustomProperties$NAM;$TYP=element property$TYP;$VIS=Public$VIS;$PAR=0$PAR;$DES=@PROP=@NAME=isActive@ENDNAME;@TYPE=Boolean@ENDTYPE;@VALU=0@ENDVALU;@PRMT=@ENDPRMT;@ENDPROP;$DES;$CLT={342B50BA-81EC-4980-91AD-756077EC2977}$CLT;$ENDXREF;"/>

<extendedProperties tagged="0" package\_name="Tunnel"/>

<attributes>

<attribute xmi:idref="EAID\_B290E2BE\_440B\_4994\_A50B\_6FA766A1619B" name="adeOfHollowSpace" scope="Public">

<initial/>

<documentation value="Augments the HollowSpace with properties defined in an ADE."/>

<model ea\_localid="10603" ea\_guid="{B290E2BE-440B-4994-A50B-6FA766A1619B}"/>

<properties type="ADEOfHollowSpace" collection="false" static="0" duplicates="0" changeability="changeable"/>

<coords ordered="0"/>

<containment containment="Not Specified" position="3"/>

<stereotype stereotype="Property"/>

<bounds lower="0" upper="\*"/>

<options/>

<style/>

<styleex value="volatile=0;union=0;"/>

<tags>

<tag xmi:id="EAID\_E810E922\_58E8\_b658\_865A\_8CD40BAC3B0A" name="sequenceNumber" value="7" notes="Description: Unique integer value for properties of the type used to sort properties.&#xA;"/>

<tag xmi:id="EAID\_37DFCA0A\_B550\_b0b5\_A52C\_A12E340F4A27" name="inlineOrByReference" value="inlineOrByReference" notes="Values: inline,byReference,inlineOrByReference&#xA;Default: inlineOrByReference&#xA;Description: Controls whether property values may be encoded inline or by reference.&#xA;"/>

<tag xmi:id="EAID\_08A8199D\_FE63\_35fe\_98B4\_A3B7B440F84D" name="isMetadata" value="false" notes="Values: True,False&#xA;Default: false&#xA;Description: Indicates whether the property is considered metadata about the instance - and not information about the phenomenon in the real world.&#xA;"/>

<tag xmi:id="EAID\_BCD3CBEE\_9454\_f194\_8978\_865FD32CE68D" name="xsdEncodingRule" notes="Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;"/>

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<xrefs value="$XREFPROP=$XID={09686658-6620-4a4d-B5A8-D08E15F64F79}$XID;$NAM=Stereotypes$NAM;$TYP=attribute property$TYP;$VIS=Public$VIS;$PAR=0$PAR;$DES=@STEREO;Name=Property;FQName=CityGML::Property;@ENDSTEREO;$DES;$CLT={B290E2BE-440B-4994-A50B-6FA766A1619B}$CLT;$SUP=&lt;none&gt;$SUP;$ENDXREF;"/>

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<attribute xmi:idref="EAID\_6F12D720\_D2AE\_48d5\_95EE\_4A4AA7EACC3D" name="class" scope="Public">

<initial/>

<documentation value="Indicates the specific type of the HollowSpace."/>

<model ea\_localid="194" ea\_guid="{6F12D720-D2AE-48d5-95EE-4A4AA7EACC3D}"/>

<properties type="HollowSpaceClassValue" derived="0" precision="0" collection="false" length="0" static="0" duplicates="0" changeability="changeable"/>

<coords ordered="0" scale="0"/>

<containment containment="Not Specified" position="0"/>

<stereotype stereotype="Property"/>

<bounds lower="0" upper="1"/>

<options/>

<style/>

<styleex value="IsLiteral=0;volatile=0;union=0;"/>

<tags>

<tag xmi:id="EAID\_E810E922\_58E8\_b658\_AFCC\_DF755EFF0958" name="sequenceNumber" value="1" notes="Description: Unique integer value for properties of the type used to sort properties.&#xA;"/>

<tag xmi:id="EAID\_37DFCA0A\_B550\_b0b5\_A617\_D3A51FFB6AC8" name="inlineOrByReference" value="inlineOrByReference" notes="Values: inline,byReference,inlineOrByReference&#xA;Default: inlineOrByReference&#xA;Description: Controls whether property values may be encoded inline or by reference.&#xA;"/>

<tag xmi:id="EAID\_08A8199D\_FE63\_35fe\_ABB0\_A117BBC7EC88" name="isMetadata" value="false" notes="Values: True,False&#xA;Default: false&#xA;Description: Indicates whether the property is considered metadata about the instance - and not information about the phenomenon in the real world.&#xA;"/>

<tag xmi:id="EAID\_BCD3CBEE\_9454\_f194\_A34C\_DC27AA6AC16B" name="xsdEncodingRule" notes="Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;"/>

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<xrefs value="$XREFPROP=$XID={949422D0-E723-4f8b-BFA4-525330DC0F68}$XID;$NAM=Stereotypes$NAM;$TYP=attribute property$TYP;$VIS=Public$VIS;$PAR=0$PAR;$DES=@STEREO;Name=Property;FQName=CityGML::Property;@ENDSTEREO;$DES;$CLT={6F12D720-D2AE-48d5-95EE-4A4AA7EACC3D}$CLT;$SUP=&lt;none&gt;$SUP;$ENDXREF;"/>

</attribute>

<attribute xmi:idref="EAID\_D11D4EAB\_D5F5\_4993\_8AC3\_2492F7F21996" name="function" scope="Public">

<initial/>

<documentation value="Specifies the intended purposes of the HollowSpace."/>

<model ea\_localid="195" ea\_guid="{D11D4EAB-D5F5-4993-8AC3-2492F7F21996}"/>

<properties type="HollowSpaceFunctionValue" derived="0" precision="0" collection="false" length="0" static="0" duplicates="0" changeability="changeable"/>

<coords ordered="0" scale="0"/>

<containment containment="Not Specified" position="1"/>

<stereotype stereotype="Property"/>

<bounds lower="0" upper="\*"/>

<options/>

<style/>

<styleex value="IsLiteral=0;volatile=0;union=0;"/>

<tags>

<tag xmi:id="EAID\_E810E922\_58E8\_b658\_9B10\_887C7D6B4E08" name="sequenceNumber" value="2" notes="Description: Unique integer value for properties of the type used to sort properties.&#xA;"/>

<tag xmi:id="EAID\_37DFCA0A\_B550\_b0b5\_A733\_803A6A2B2877" name="inlineOrByReference" value="inlineOrByReference" notes="Values: inline,byReference,inlineOrByReference&#xA;Default: inlineOrByReference&#xA;Description: Controls whether property values may be encoded inline or by reference.&#xA;"/>

<tag xmi:id="EAID\_08A8199D\_FE63\_35fe\_841F\_765E4E997990" name="isMetadata" value="false" notes="Values: True,False&#xA;Default: false&#xA;Description: Indicates whether the property is considered metadata about the instance - and not information about the phenomenon in the real world.&#xA;"/>

<tag xmi:id="EAID\_BCD3CBEE\_9454\_f194\_84C0\_81F7E4FF8211" name="xsdEncodingRule" notes="Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;"/>

</tags>

<xrefs value="$XREFPROP=$XID={53AF5EDE-B470-4541-A5CB-DB744A2C2CE6}$XID;$NAM=Stereotypes$NAM;$TYP=attribute property$TYP;$VIS=Public$VIS;$PAR=0$PAR;$DES=@STEREO;Name=Property;FQName=CityGML::Property;@ENDSTEREO;$DES;$CLT={D11D4EAB-D5F5-4993-8AC3-2492F7F21996}$CLT;$SUP=&lt;none&gt;$SUP;$ENDXREF;"/>

</attribute>

<attribute xmi:idref="EAID\_896F14A2\_EDCC\_46bc\_8EEE\_65FF15A139BB" name="usage" scope="Public">

<initial/>

<documentation value="Specifies the actual uses of the HollowSpace."/>

<model ea\_localid="196" ea\_guid="{896F14A2-EDCC-46bc-8EEE-65FF15A139BB}"/>

<properties type="HollowSpaceUsageValue" derived="0" precision="0" collection="false" length="0" static="0" duplicates="0" changeability="changeable"/>

<coords ordered="0" scale="0"/>

<containment containment="Not Specified" position="2"/>

<stereotype stereotype="Property"/>

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<tags>

<tag xmi:id="EAID\_E810E922\_58E8\_b658\_A423\_9742C1F093BE" name="sequenceNumber" value="3" notes="Description: Unique integer value for properties of the type used to sort properties.&#xA;"/>

<tag xmi:id="EAID\_37DFCA0A\_B550\_b0b5\_8625\_4868F6A17E7F" name="inlineOrByReference" value="inlineOrByReference" notes="Values: inline,byReference,inlineOrByReference&#xA;Default: inlineOrByReference&#xA;Description: Controls whether property values may be encoded inline or by reference.&#xA;"/>

<tag xmi:id="EAID\_08A8199D\_FE63\_35fe\_8AFD\_E892EFF0F157" name="isMetadata" value="false" notes="Values: True,False&#xA;Default: false&#xA;Description: Indicates whether the property is considered metadata about the instance - and not information about the phenomenon in the real world.&#xA;"/>

<tag xmi:id="EAID\_BCD3CBEE\_9454\_f194\_A2BE\_4636941484EF" name="xsdEncodingRule" notes="Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;"/>

</tags>

<xrefs value="$XREFPROP=$XID={B7E20E21-95C6-4e65-BE48-A4EB2A0F72C5}$XID;$NAM=Stereotypes$NAM;$TYP=attribute property$TYP;$VIS=Public$VIS;$PAR=0$PAR;$DES=@STEREO;Name=Property;FQName=CityGML::Property;@ENDSTEREO;$DES;$CLT={896F14A2-EDCC-46bc-8EEE-65FF15A139BB}$CLT;$SUP=&lt;none&gt;$SUP;$ENDXREF;"/>

</attribute>

</attributes>

<links>

<Association xmi:id="EAID\_033065B5\_5505\_49c8\_846F\_35E697134F23" start="EAID\_342B50BA\_81EC\_4980\_91AD\_756077EC2977" end="EAID\_4BD38C53\_DB8F\_4be8\_8CAF\_4BD76D13A667"/>

<Association xmi:id="EAID\_1C5EE893\_A123\_4ace\_9CE9\_80E585827CB6" start="EAID\_342B50BA\_81EC\_4980\_91AD\_756077EC2977" end="EAID\_BA0BFCD8\_7313\_41aa\_A49E\_4FEB39F3F640"/>

<Generalization xmi:id="EAID\_6703982C\_ECE1\_4820\_990D\_040FBC37F61C" start="EAID\_342B50BA\_81EC\_4980\_91AD\_756077EC2977" end="EAID\_4F1406F0\_73E2\_4d59\_8DC9\_F28C3D58E5C6"/>

<Association xmi:id="EAID\_FA31EE75\_FFFA\_4e79\_B8F4\_EC20CB8B6022" start="EAID\_342B50BA\_81EC\_4980\_91AD\_756077EC2977" end="EAID\_BC472102\_AACD\_4b6a\_8772\_C2FAA0560D4D"/>

<Association xmi:id="EAID\_FC601DA3\_8635\_4d12\_B5E0\_2778AB3E08E1" start="EAID\_597E2B4E\_6615\_437e\_B4A8\_329962D28A73" end="EAID\_342B50BA\_81EC\_4980\_91AD\_756077EC2977"/>

</links>

</element>

<element xmi:idref="EAID\_3CF6B7B6\_7C79\_4eac\_9233\_FD10B4344DAA" xmi:type="uml:Class" name="HollowSpaceClassValue" scope="public">

<model package="EAPK\_070A5649\_8282\_4ad3\_A1DE\_A9A41FCB55B8" tpos="0" ea\_localid="8043" ea\_eleType="element"/>

<properties documentation="HollowSpaceClassValue is a code list used to further classify a HollowSpace." isSpecification="false" sType="Class" nType="0" scope="public" stereotype="CodeList" isRoot="false" isLeaf="false" isAbstract="false" isActive="false"/>

<project author="Tatjana" version="1.0" phase="1.0" created="2019-09-30 11:23:23" modified="2019-12-17 14:36:06" complexity="1" status="Proposed"/>

<code product\_name="Java" gentype="Java"/>

<style appearance="BackColor=-1;BorderColor=-1;BorderWidth=-1;FontColor=-1;VSwimLanes=1;HSwimLanes=1;BorderStyle=0;"/>

<tags>

<tag xmi:id="EAID\_0BE3FA2A\_79E2\_1979\_8BAF\_68125A9C3BC7" name="asDictionary" value="true#NOTES#Values: True,False&#xA;Default: true&#xA;Description: Encode code list as externally managed dictionary.&#xA;" modelElement="EAID\_3CF6B7B6\_7C79\_4eac\_9233\_FD10B4344DAA"/>

<tag xmi:id="EAID\_BCD3CBEE\_C886\_55c8\_8D4E\_69F9DBD73AB1" name="xsdEncodingRule" value="#NOTES#Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;" modelElement="EAID\_3CF6B7B6\_7C79\_4eac\_9233\_FD10B4344DAA"/>

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<extendedProperties tagged="0" package\_name="Tunnel" ea\_attsclassified="{6F12D720-D2AE-48d5-95EE-4A4AA7EACC3D}"/>

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<element xmi:idref="EAID\_8308282C\_1719\_4c4a\_96CA\_EF038803D2D2" xmi:type="uml:Class" name="HollowSpaceFunctionValue" scope="public">

<model package="EAPK\_070A5649\_8282\_4ad3\_A1DE\_A9A41FCB55B8" tpos="0" ea\_localid="8044" ea\_eleType="element"/>

<properties documentation="HollowSpaceFunctionValue is a code list that enumerates the different purposes of a HollowSpace." isSpecification="false" sType="Class" nType="0" scope="public" stereotype="CodeList" isRoot="false" isLeaf="false" isAbstract="false" isActive="false"/>

<project author="Tatjana" version="1.0" phase="1.0" created="2019-09-30 11:23:33" modified="2019-12-17 14:36:15" complexity="1" status="Proposed"/>

<code product\_name="Java" gentype="Java"/>

<style appearance="BackColor=-1;BorderColor=-1;BorderWidth=-1;FontColor=-1;VSwimLanes=1;HSwimLanes=1;BorderStyle=0;"/>

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<tag xmi:id="EAID\_0BE3FA2A\_79E2\_1979\_A55E\_F4F4A1AAE6CC" name="asDictionary" value="true#NOTES#Values: True,False&#xA;Default: true&#xA;Description: Encode code list as externally managed dictionary.&#xA;" modelElement="EAID\_8308282C\_1719\_4c4a\_96CA\_EF038803D2D2"/>

<tag xmi:id="EAID\_BCD3CBEE\_C886\_55c8\_8710\_9E3587364249" name="xsdEncodingRule" value="#NOTES#Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;" modelElement="EAID\_8308282C\_1719\_4c4a\_96CA\_EF038803D2D2"/>

</tags>

<xrefs value="$XREFPROP=$XID={570685EE-C221-4af0-8F64-F08A174C8F25}$XID;$NAM=Stereotypes$NAM;$TYP=element property$TYP;$VIS=Public$VIS;$PAR=0$PAR;$DES=@STEREO;Name=CodeList;FQName=CityGML::CodeList;@ENDSTEREO;$DES;$CLT={8308282C-1719-4c4a-96CA-EF038803D2D2}$CLT;$SUP=&lt;none&gt;$SUP;$ENDXREF;"/>

<extendedProperties tagged="0" package\_name="Tunnel" ea\_attsclassified="{D11D4EAB-D5F5-4993-8AC3-2492F7F21996}"/>

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<element xmi:idref="EAID\_81DDA72B\_FCB0\_428d\_8FE5\_56FE776A0710" xmi:type="uml:Class" name="HollowSpaceUsageValue" scope="public">

<model package="EAPK\_070A5649\_8282\_4ad3\_A1DE\_A9A41FCB55B8" tpos="0" ea\_localid="8045" ea\_eleType="element"/>

<properties documentation="HollowSpaceUsageValue is a code list that enumerates the different uses of a HollowSpace." isSpecification="false" sType="Class" nType="0" scope="public" stereotype="CodeList" isRoot="false" isLeaf="false" isAbstract="false" isActive="false"/>

<project author="Tatjana" version="1.0" phase="1.0" created="2019-09-30 11:23:43" modified="2019-12-17 14:36:24" complexity="1" status="Proposed"/>

<code product\_name="Java" gentype="Java"/>

<style appearance="BackColor=-1;BorderColor=-1;BorderWidth=-1;FontColor=-1;VSwimLanes=1;HSwimLanes=1;BorderStyle=0;"/>

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<tag xmi:id="EAID\_0BE3FA2A\_79E2\_1979\_BFA0\_992DD00D4A02" name="asDictionary" value="true#NOTES#Values: True,False&#xA;Default: true&#xA;Description: Encode code list as externally managed dictionary.&#xA;" modelElement="EAID\_81DDA72B\_FCB0\_428d\_8FE5\_56FE776A0710"/>

<tag xmi:id="EAID\_BCD3CBEE\_C886\_55c8\_AB18\_4E6D956E797B" name="xsdEncodingRule" value="#NOTES#Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;" modelElement="EAID\_81DDA72B\_FCB0\_428d\_8FE5\_56FE776A0710"/>

</tags>

<xrefs value="$XREFPROP=$XID={B3A33CB5-37E7-4fdd-91E8-BBD92AF08199}$XID;$NAM=Stereotypes$NAM;$TYP=element property$TYP;$VIS=Public$VIS;$PAR=0$PAR;$DES=@STEREO;Name=CodeList;FQName=CityGML::CodeList;@ENDSTEREO;$DES;$CLT={81DDA72B-FCB0-428d-8FE5-56FE776A0710}$CLT;$SUP=&lt;none&gt;$SUP;$ENDXREF;"/>

<extendedProperties tagged="0" package\_name="Tunnel" ea\_attsclassified="{896F14A2-EDCC-46bc-8EEE-65FF15A139BB}"/>

</element>

<element xmi:idref="EAID\_385B097B\_BB31\_47a6\_892E\_BC5FA36EB095" xmi:type="uml:Class" name="Tunnel" scope="public">

<model package="EAPK\_070A5649\_8282\_4ad3\_A1DE\_A9A41FCB55B8" tpos="0" ea\_localid="137" ea\_eleType="element"/>

<properties documentation="A Tunnel represents a horizontal or sloping enclosed passage way of a certain length, mainly underground or underwater. [cf. ISO 6707-1]" isSpecification="false" sType="Class" nType="0" scope="public" stereotype="TopLevelFeatureType" isRoot="false" isLeaf="false" isAbstract="false" isActive="false"/>

<project author="ebbinghaus" version="1.0" phase="1.0" created="2012-07-09 12:34:53" modified="2020-05-26 15:41:03" complexity="1" status="Proposed"/>

<code product\_name="Java" gentype="Java"/>

<style appearance="BackColor=-1;BorderColor=-1;BorderWidth=-1;FontColor=-1;VSwimLanes=1;HSwimLanes=1;BorderStyle=0;"/>

<tags>

<tag xmi:id="EAID\_ED33D65F\_A24E\_81a2\_8DD5\_D6AE722A06CD" name="byValuePropertyType" value="false#NOTES#Values: True,False&#xA;Default: false&#xA;Description: Create a property type that requires that the instance is encoded inline.&#xA;" modelElement="EAID\_385B097B\_BB31\_47a6\_892E\_BC5FA36EB095"/>

<tag xmi:id="EAID\_D8E5B7C5\_7754\_6c77\_9E4B\_97A2B86D38F6" name="gmlMixin" value="false#NOTES#Values: True,False&#xA;Default: false&#xA;Description: Identifies the feature type as a mixin class.&#xA;" modelElement="EAID\_385B097B\_BB31\_47a6\_892E\_BC5FA36EB095"/>

<tag xmi:id="EAID\_26B33348\_1E57\_d91e\_9496\_2BD3DD9A0E8B" name="isCollection" value="false#NOTES#Values: True,False&#xA;Default: false&#xA;Description: Identifies the feature type as a feature collection.&#xA;" modelElement="EAID\_385B097B\_BB31\_47a6\_892E\_BC5FA36EB095"/>

<tag xmi:id="EAID\_F9638764\_E613\_9ee6\_B5B7\_D2D7D474B469" name="noPropertyType" value="false#NOTES#Values: True,False&#xA;Default: false&#xA;Description: Suppress creation of a standard property type that supports inline or by-reference encoding.&#xA;" modelElement="EAID\_385B097B\_BB31\_47a6\_892E\_BC5FA36EB095"/>

</tags>

<xrefs value="$XREFPROP=$XID={D7800F15-6A6D-466a-BE34-B227EDEE688D}$XID;$NAM=Stereotypes$NAM;$TYP=element property$TYP;$VIS=Public$VIS;$PAR=0$PAR;$DES=@STEREO;Name=TopLevelFeatureType;FQName=CityGML::TopLevelFeatureType;@ENDSTEREO;$DES;$CLT={385B097B-BB31-47a6-892E-BC5FA36EB095}$CLT;$SUP=&lt;none&gt;$SUP;$ENDXREF;$XREFPROP=$XID={39580C0D-B2A2-45d9-B73C-7CB03136E7E7}$XID;$NAM=CustomProperties$NAM;$TYP=element property$TYP;$VIS=Public$VIS;$PAR=0$PAR;$DES=@PROP=@NAME=isActive@ENDNAME;@TYPE=Boolean@ENDTYPE;@VALU=0@ENDVALU;@PRMT=@ENDPRMT;@ENDPROP;$DES;$CLT={385B097B-BB31-47a6-892E-BC5FA36EB095}$CLT;$ENDXREF;"/>

<extendedProperties tagged="0" package\_name="Tunnel"/>

<attributes>

<attribute xmi:idref="EAID\_6628BA12\_B969\_4cc7\_B61E\_449A29C9FB46" name="adeOfTunnel" scope="Public">

<initial/>

<documentation value="Augments the Tunnel with properties defined in an ADE."/>

<model ea\_localid="10600" ea\_guid="{6628BA12-B969-4cc7-B61E-449A29C9FB46}"/>

<properties type="ADEOfTunnel" collection="false" static="0" duplicates="0" changeability="changeable"/>

<coords ordered="0"/>

<containment containment="Not Specified" position="0"/>

<stereotype stereotype="Property"/>

<bounds lower="0" upper="\*"/>

<options/>

<style/>

<styleex value="volatile=0;union=0;"/>

<tags>

<tag xmi:id="EAID\_E810E922\_58E8\_b658\_99B0\_4C555C334C54" name="sequenceNumber" value="2" notes="Description: Unique integer value for properties of the type used to sort properties.&#xA;"/>

<tag xmi:id="EAID\_37DFCA0A\_B550\_b0b5\_B2CD\_45DCB567FB1E" name="inlineOrByReference" value="inlineOrByReference" notes="Values: inline,byReference,inlineOrByReference&#xA;Default: inlineOrByReference&#xA;Description: Controls whether property values may be encoded inline or by reference.&#xA;"/>

<tag xmi:id="EAID\_08A8199D\_FE63\_35fe\_BB44\_CCDEC66AA147" name="isMetadata" value="false" notes="Values: True,False&#xA;Default: false&#xA;Description: Indicates whether the property is considered metadata about the instance - and not information about the phenomenon in the real world.&#xA;"/>

<tag xmi:id="EAID\_BCD3CBEE\_9454\_f194\_A1D3\_8147B0FC24F3" name="xsdEncodingRule" notes="Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;"/>

</tags>

<xrefs value="$XREFPROP=$XID={48C58D9D-F579-482a-9043-92FBFD24548C}$XID;$NAM=Stereotypes$NAM;$TYP=attribute property$TYP;$VIS=Public$VIS;$PAR=0$PAR;$DES=@STEREO;Name=Property;FQName=CityGML::Property;@ENDSTEREO;$DES;$CLT={6628BA12-B969-4cc7-B61E-449A29C9FB46}$CLT;$SUP=&lt;none&gt;$SUP;$ENDXREF;"/>

</attribute>

</attributes>

<links>

<Generalization xmi:id="EAID\_62B788D8\_6A45\_4d38\_A4AB\_FC55FCB5E2B8" start="EAID\_385B097B\_BB31\_47a6\_892E\_BC5FA36EB095" end="EAID\_597E2B4E\_6615\_437e\_B4A8\_329962D28A73"/>

<Association xmi:id="EAID\_93AB8DFB\_2A96\_41e0\_8278\_512E897C79C5" start="EAID\_385B097B\_BB31\_47a6\_892E\_BC5FA36EB095" end="EAID\_C578A63A\_9CC6\_4eec\_B087\_7FBE4E3CE003"/>

</links>

</element>

<element xmi:idref="EAID\_489E797E\_E2A6\_48e3\_9C49\_CCFF433BA5E6" xmi:type="uml:Class" name="TunnelClassValue" scope="public">

<model package="EAPK\_070A5649\_8282\_4ad3\_A1DE\_A9A41FCB55B8" tpos="0" ea\_localid="8040" ea\_eleType="element"/>

<properties documentation="TunnelClassValue is a code list used to further classify a Tunnel." isSpecification="false" sType="Class" nType="0" scope="public" stereotype="CodeList" isRoot="false" isLeaf="false" isAbstract="false" isActive="false"/>

<project author="Tatjana" version="1.0" phase="1.0" created="2019-09-30 11:20:54" modified="2019-12-17 14:35:53" complexity="1" status="Proposed"/>

<code product\_name="Java" gentype="Java"/>

<style appearance="BackColor=-1;BorderColor=-1;BorderWidth=-1;FontColor=-1;VSwimLanes=1;HSwimLanes=1;BorderStyle=0;"/>

<tags>

<tag xmi:id="EAID\_0BE3FA2A\_79E2\_1979\_9332\_A18D20477D57" name="asDictionary" value="true#NOTES#Values: True,False&#xA;Default: true&#xA;Description: Encode code list as externally managed dictionary.&#xA;" modelElement="EAID\_489E797E\_E2A6\_48e3\_9C49\_CCFF433BA5E6"/>

<tag xmi:id="EAID\_BCD3CBEE\_C886\_55c8\_82EF\_0B51D658C135" name="xsdEncodingRule" value="#NOTES#Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;" modelElement="EAID\_489E797E\_E2A6\_48e3\_9C49\_CCFF433BA5E6"/>

</tags>

<xrefs value="$XREFPROP=$XID={16D0FB06-8A88-45fe-8518-8F5FEFD2B734}$XID;$NAM=Stereotypes$NAM;$TYP=element property$TYP;$VIS=Public$VIS;$PAR=0$PAR;$DES=@STEREO;Name=CodeList;FQName=CityGML::CodeList;@ENDSTEREO;$DES;$CLT={489E797E-E2A6-48e3-9C49-CCFF433BA5E6}$CLT;$SUP=&lt;none&gt;$SUP;$ENDXREF;"/>

<extendedProperties tagged="0" package\_name="Tunnel" ea\_attsclassified="{5780CCF7-4D4C-4846-BBCE-FD2D0019BDB7}"/>

</element>

<element xmi:idref="EAID\_CADE8C3F\_C7A9\_46e0\_83FA\_B6597FF4FAAF" xmi:type="uml:Class" name="TunnelConstructiveElement" scope="public">

<model package="EAPK\_070A5649\_8282\_4ad3\_A1DE\_A9A41FCB55B8" tpos="0" ea\_localid="7746" ea\_eleType="element"/>

<properties documentation=" A TunnelConstructiveElement is an element of a Tunnel which is essential from a structural point of view. Examples are walls, slabs, beams." isSpecification="false" sType="Class" nType="0" scope="public" stereotype="FeatureType" isRoot="false" isLeaf="false" isAbstract="false" isActive="false"/>

<project author="kolbe/kutzner" version="1.0" phase="1.0" created="2017-12-13 15:28:47" modified="2019-12-17 14:34:40" complexity="1" status="Proposed"/>

<code product\_name="Java" gentype="Java"/>

<style appearance="BackColor=-1;BorderColor=-1;BorderWidth=-1;FontColor=-1;VSwimLanes=1;HSwimLanes=1;BorderStyle=0;"/>

<tags>

<tag xmi:id="EAID\_ED33D65F\_A24E\_81a2\_A830\_2B31621591A9" name="byValuePropertyType" value="false#NOTES#Values: True,False&#xA;Default: false&#xA;Description: Create a property type that requires that the instance is encoded inline.&#xA;" modelElement="EAID\_CADE8C3F\_C7A9\_46e0\_83FA\_B6597FF4FAAF"/>

<tag xmi:id="EAID\_D8E5B7C5\_7754\_6c77\_AAC7\_C264D7AF7799" name="gmlMixin" value="false#NOTES#Values: True,False&#xA;Default: false&#xA;Description: Identifies the feature type as a mixin class.&#xA;" modelElement="EAID\_CADE8C3F\_C7A9\_46e0\_83FA\_B6597FF4FAAF"/>

<tag xmi:id="EAID\_26B33348\_1E57\_d91e\_9297\_74E901FBA028" name="isCollection" value="false#NOTES#Values: True,False&#xA;Default: false&#xA;Description: Identifies the feature type as a feature collection.&#xA;" modelElement="EAID\_CADE8C3F\_C7A9\_46e0\_83FA\_B6597FF4FAAF"/>

<tag xmi:id="EAID\_F9638764\_E613\_9ee6\_83C2\_E6421CDF85CF" name="noPropertyType" value="false#NOTES#Values: True,False&#xA;Default: false&#xA;Description: Suppress creation of a standard property type that supports inline or by-reference encoding.&#xA;" modelElement="EAID\_CADE8C3F\_C7A9\_46e0\_83FA\_B6597FF4FAAF"/>

</tags>

<xrefs value="$XREFPROP=$XID={91F10D27-8E2A-4f14-AF80-B67A51A00C7E}$XID;$NAM=Stereotypes$NAM;$TYP=element property$TYP;$VIS=Public$VIS;$PAR=0$PAR;$DES=@STEREO;Name=FeatureType;FQName=CityGML::FeatureType;@ENDSTEREO;$DES;$CLT={CADE8C3F-C7A9-46e0-83FA-B6597FF4FAAF}$CLT;$SUP=&lt;none&gt;$SUP;$ENDXREF;"/>

<extendedProperties tagged="0" package\_name="Tunnel"/>

<attributes>

<attribute xmi:idref="EAID\_CEC88C72\_7C91\_4213\_8EF3\_951F1DDBB021" name="adeOfTunnelConstructiveElement" scope="Public">

<initial/>

<documentation value="Augments the TunnelConstructiveElement with properties defined in an ADE."/>

<model ea\_localid="10602" ea\_guid="{CEC88C72-7C91-4213-8EF3-951F1DDBB021}"/>

<properties type="ADEOfTunnelConstructiveElement" collection="false" static="0" duplicates="0" changeability="changeable"/>

<coords ordered="0"/>

<containment containment="Not Specified" position="3"/>

<stereotype stereotype="Property"/>

<bounds lower="0" upper="\*"/>

<options/>

<style/>

<styleex value="volatile=0;union=0;"/>

<tags>

<tag xmi:id="EAID\_E810E922\_58E8\_b658\_B97D\_E08CCC82FBD6" name="sequenceNumber" value="4" notes="Description: Unique integer value for properties of the type used to sort properties.&#xA;"/>

<tag xmi:id="EAID\_37DFCA0A\_B550\_b0b5\_91B5\_2C7704F635CC" name="inlineOrByReference" value="inlineOrByReference" notes="Values: inline,byReference,inlineOrByReference&#xA;Default: inlineOrByReference&#xA;Description: Controls whether property values may be encoded inline or by reference.&#xA;"/>

<tag xmi:id="EAID\_08A8199D\_FE63\_35fe\_86B8\_0531FE884A96" name="isMetadata" value="false" notes="Values: True,False&#xA;Default: false&#xA;Description: Indicates whether the property is considered metadata about the instance - and not information about the phenomenon in the real world.&#xA;"/>

<tag xmi:id="EAID\_BCD3CBEE\_9454\_f194\_AEAA\_F0D34AB00217" name="xsdEncodingRule" notes="Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;"/>

</tags>

<xrefs value="$XREFPROP=$XID={8F704047-BE7F-4e20-A935-F10A78C64D77}$XID;$NAM=Stereotypes$NAM;$TYP=attribute property$TYP;$VIS=Public$VIS;$PAR=0$PAR;$DES=@STEREO;Name=Property;FQName=CityGML::Property;@ENDSTEREO;$DES;$CLT={CEC88C72-7C91-4213-8EF3-951F1DDBB021}$CLT;$SUP=&lt;none&gt;$SUP;$ENDXREF;"/>

</attribute>

<attribute xmi:idref="EAID\_CA954D0F\_0812\_4433\_8524\_7AAE3AFBC491" name="class" scope="Public">

<initial/>

<documentation value="Indicates the specific type of the TunnelConstructiveElement."/>

<model ea\_localid="10156" ea\_guid="{CA954D0F-0812-4433-8524-7AAE3AFBC491}"/>

<properties type="TunnelConstructiveElementClassValue" collection="false" static="0" duplicates="0" changeability="changeable"/>

<coords ordered="0"/>

<containment containment="Not Specified" position="0"/>

<stereotype stereotype="Property"/>

<bounds lower="0" upper="1"/>

<options/>

<style/>

<styleex value="volatile=0;union=0;"/>

<tags>

<tag xmi:id="EAID\_E810E922\_58E8\_b658\_9187\_AE7930D3F59F" name="sequenceNumber" value="1" notes="Description: Unique integer value for properties of the type used to sort properties.&#xA;"/>

<tag xmi:id="EAID\_37DFCA0A\_B550\_b0b5\_B483\_85DC962E18D9" name="inlineOrByReference" value="inlineOrByReference" notes="Values: inline,byReference,inlineOrByReference&#xA;Default: inlineOrByReference&#xA;Description: Controls whether property values may be encoded inline or by reference.&#xA;"/>

<tag xmi:id="EAID\_08A8199D\_FE63\_35fe\_B982\_D28E323BEC0F" name="isMetadata" value="false" notes="Values: True,False&#xA;Default: false&#xA;Description: Indicates whether the property is considered metadata about the instance - and not information about the phenomenon in the real world.&#xA;"/>

<tag xmi:id="EAID\_BCD3CBEE\_9454\_f194\_A94C\_2994F91FBE60" name="xsdEncodingRule" notes="Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;"/>

</tags>

<xrefs value="$XREFPROP=$XID={DEC98C9E-C11A-4df6-9FF1-70E6CB45F1B0}$XID;$NAM=Stereotypes$NAM;$TYP=attribute property$TYP;$VIS=Public$VIS;$PAR=0$PAR;$DES=@STEREO;Name=Property;FQName=CityGML::Property;@ENDSTEREO;$DES;$CLT={CA954D0F-0812-4433-8524-7AAE3AFBC491}$CLT;$SUP=&lt;none&gt;$SUP;$ENDXREF;"/>

</attribute>

<attribute xmi:idref="EAID\_48A802BC\_8E19\_4210\_8D9B\_EDBB7A5FC861" name="function" scope="Public">

<initial/>

<documentation value="Specifies the intended purposes of the TunnelConstructiveElement."/>

<model ea\_localid="10157" ea\_guid="{48A802BC-8E19-4210-8D9B-EDBB7A5FC861}"/>

<properties type="TunnelConstructiveElementFunctionValue" collection="false" static="0" duplicates="0" changeability="changeable"/>

<coords ordered="0"/>

<containment containment="Not Specified" position="1"/>

<stereotype stereotype="Property"/>

<bounds lower="0" upper="\*"/>

<options/>

<style/>

<styleex value="volatile=0;union=0;"/>

<tags>

<tag xmi:id="EAID\_E810E922\_58E8\_b658\_AB9D\_7ED8BF52C6CD" name="sequenceNumber" value="2" notes="Description: Unique integer value for properties of the type used to sort properties.&#xA;"/>

<tag xmi:id="EAID\_37DFCA0A\_B550\_b0b5\_9795\_CDC9B40A7411" name="inlineOrByReference" value="inlineOrByReference" notes="Values: inline,byReference,inlineOrByReference&#xA;Default: inlineOrByReference&#xA;Description: Controls whether property values may be encoded inline or by reference.&#xA;"/>

<tag xmi:id="EAID\_08A8199D\_FE63\_35fe\_AD54\_220510208D65" name="isMetadata" value="false" notes="Values: True,False&#xA;Default: false&#xA;Description: Indicates whether the property is considered metadata about the instance - and not information about the phenomenon in the real world.&#xA;"/>

<tag xmi:id="EAID\_BCD3CBEE\_9454\_f194\_9B1A\_C51F33279C6A" name="xsdEncodingRule" notes="Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;"/>

</tags>

<xrefs value="$XREFPROP=$XID={4BB5E47E-CB7B-4cf8-ADDA-8CBCF93CC4BE}$XID;$NAM=Stereotypes$NAM;$TYP=attribute property$TYP;$VIS=Public$VIS;$PAR=0$PAR;$DES=@STEREO;Name=Property;FQName=CityGML::Property;@ENDSTEREO;$DES;$CLT={48A802BC-8E19-4210-8D9B-EDBB7A5FC861}$CLT;$SUP=&lt;none&gt;$SUP;$ENDXREF;"/>

</attribute>

<attribute xmi:idref="EAID\_B6DDD7CF\_0D14\_46db\_8C0C\_272082F97F30" name="usage" scope="Public">

<initial/>

<documentation value="Specifies the actual uses of the TunnelConstructiveElement."/>

<model ea\_localid="10158" ea\_guid="{B6DDD7CF-0D14-46db-8C0C-272082F97F30}"/>

<properties type="TunnelConstructiveElementUsageValue" collection="false" static="0" duplicates="0" changeability="changeable"/>

<coords ordered="0"/>

<containment containment="Not Specified" position="2"/>

<stereotype stereotype="Property"/>

<bounds lower="0" upper="\*"/>

<options/>

<style/>

<styleex value="volatile=0;union=0;"/>

<tags>

<tag xmi:id="EAID\_E810E922\_58E8\_b658\_BB5C\_5B4AECA8CA16" name="sequenceNumber" value="3" notes="Description: Unique integer value for properties of the type used to sort properties.&#xA;"/>

<tag xmi:id="EAID\_37DFCA0A\_B550\_b0b5\_A40D\_01E609B68489" name="inlineOrByReference" value="inlineOrByReference" notes="Values: inline,byReference,inlineOrByReference&#xA;Default: inlineOrByReference&#xA;Description: Controls whether property values may be encoded inline or by reference.&#xA;"/>

<tag xmi:id="EAID\_08A8199D\_FE63\_35fe\_BBF1\_33576E136462" name="isMetadata" value="false" notes="Values: True,False&#xA;Default: false&#xA;Description: Indicates whether the property is considered metadata about the instance - and not information about the phenomenon in the real world.&#xA;"/>

<tag xmi:id="EAID\_BCD3CBEE\_9454\_f194\_9B04\_E1F62CBA097B" name="xsdEncodingRule" notes="Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;"/>

</tags>

<xrefs value="$XREFPROP=$XID={8D5A1E37-1D94-4e47-9E1F-E535C3BB194E}$XID;$NAM=Stereotypes$NAM;$TYP=attribute property$TYP;$VIS=Public$VIS;$PAR=0$PAR;$DES=@STEREO;Name=Property;FQName=CityGML::Property;@ENDSTEREO;$DES;$CLT={B6DDD7CF-0D14-46db-8C0C-272082F97F30}$CLT;$SUP=&lt;none&gt;$SUP;$ENDXREF;"/>

</attribute>

</attributes>

<links>

<Generalization xmi:id="EAID\_B1438791\_2363\_4dcd\_9F64\_8E8F74575A33" start="EAID\_CADE8C3F\_C7A9\_46e0\_83FA\_B6597FF4FAAF" end="EAID\_2590191B\_9EFA\_4477\_A32B\_DA3DEDAC68BE"/>

<Association xmi:id="EAID\_283FC128\_3876\_4960\_AE99\_01CA0660B47C" start="EAID\_597E2B4E\_6615\_437e\_B4A8\_329962D28A73" end="EAID\_CADE8C3F\_C7A9\_46e0\_83FA\_B6597FF4FAAF"/>

</links>

</element>

<element xmi:idref="EAID\_85C9204C\_B577\_4a9f\_821C\_0F6D10F5AB89" xmi:type="uml:Class" name="TunnelConstructiveElementClassValue" scope="public">

<model package="EAPK\_070A5649\_8282\_4ad3\_A1DE\_A9A41FCB55B8" tpos="0" ea\_localid="8052" ea\_eleType="element"/>

<properties documentation="TunnelConstructiveElementClassValue is a code list used to further classify a TunnelConstructiveElement." isSpecification="false" sType="Class" nType="0" scope="public" stereotype="CodeList" isRoot="false" isLeaf="false" isAbstract="false" isActive="false"/>

<project author="Tatjana" version="1.0" phase="1.0" created="2019-09-30 11:31:01" modified="2019-12-17 14:37:57" complexity="1" status="Proposed"/>

<code product\_name="Java" gentype="Java"/>

<style appearance="BackColor=-1;BorderColor=-1;BorderWidth=-1;FontColor=-1;VSwimLanes=1;HSwimLanes=1;BorderStyle=0;"/>

<tags>

<tag xmi:id="EAID\_0BE3FA2A\_79E2\_1979\_850D\_0B44B6FE6840" name="asDictionary" value="true#NOTES#Values: True,False&#xA;Default: true&#xA;Description: Encode code list as externally managed dictionary.&#xA;" modelElement="EAID\_85C9204C\_B577\_4a9f\_821C\_0F6D10F5AB89"/>

<tag xmi:id="EAID\_BCD3CBEE\_C886\_55c8\_8B5E\_157BE3658F82" name="xsdEncodingRule" value="#NOTES#Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;" modelElement="EAID\_85C9204C\_B577\_4a9f\_821C\_0F6D10F5AB89"/>

</tags>

<xrefs value="$XREFPROP=$XID={94F4AC06-6629-40b2-A528-FE3C62719FB6}$XID;$NAM=Stereotypes$NAM;$TYP=element property$TYP;$VIS=Public$VIS;$PAR=0$PAR;$DES=@STEREO;Name=CodeList;FQName=CityGML::CodeList;@ENDSTEREO;$DES;$CLT={85C9204C-B577-4a9f-821C-0F6D10F5AB89}$CLT;$SUP=&lt;none&gt;$SUP;$ENDXREF;"/>

<extendedProperties tagged="0" package\_name="Tunnel" ea\_attsclassified="{CA954D0F-0812-4433-8524-7AAE3AFBC491}"/>

</element>

<element xmi:idref="EAID\_B21BB71F\_0103\_4aaf\_BB7D\_EBFD34421321" xmi:type="uml:Class" name="TunnelConstructiveElementFunctionValue" scope="public">

<model package="EAPK\_070A5649\_8282\_4ad3\_A1DE\_A9A41FCB55B8" tpos="0" ea\_localid="8053" ea\_eleType="element"/>

<properties documentation="TunnelConstructiveElementFunctionValue is a code list that enumerates the different purposes of a TunnelConstructiveElement." isSpecification="false" sType="Class" nType="0" scope="public" stereotype="CodeList" isRoot="false" isLeaf="false" isAbstract="false" isActive="false"/>

<project author="Tatjana" version="1.0" phase="1.0" created="2019-09-30 11:31:13" modified="2019-12-17 14:38:05" complexity="1" status="Proposed"/>

<code product\_name="Java" gentype="Java"/>

<style appearance="BackColor=-1;BorderColor=-1;BorderWidth=-1;FontColor=-1;VSwimLanes=1;HSwimLanes=1;BorderStyle=0;"/>

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<tag xmi:id="EAID\_0BE3FA2A\_79E2\_1979\_BD3B\_B7A4F2DE19A6" name="asDictionary" value="true#NOTES#Values: True,False&#xA;Default: true&#xA;Description: Encode code list as externally managed dictionary.&#xA;" modelElement="EAID\_B21BB71F\_0103\_4aaf\_BB7D\_EBFD34421321"/>

<tag xmi:id="EAID\_BCD3CBEE\_C886\_55c8\_BB38\_729C42E379AF" name="xsdEncodingRule" value="#NOTES#Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;" modelElement="EAID\_B21BB71F\_0103\_4aaf\_BB7D\_EBFD34421321"/>

</tags>

<xrefs value="$XREFPROP=$XID={6633943C-C4BE-464f-B2D9-DB4B9E9250FD}$XID;$NAM=Stereotypes$NAM;$TYP=element property$TYP;$VIS=Public$VIS;$PAR=0$PAR;$DES=@STEREO;Name=CodeList;FQName=CityGML::CodeList;@ENDSTEREO;$DES;$CLT={B21BB71F-0103-4aaf-BB7D-EBFD34421321}$CLT;$SUP=&lt;none&gt;$SUP;$ENDXREF;"/>

<extendedProperties tagged="0" package\_name="Tunnel" ea\_attsclassified="{48A802BC-8E19-4210-8D9B-EDBB7A5FC861}"/>

</element>

<element xmi:idref="EAID\_1D08EC4F\_B2D0\_4a82\_A174\_E8D8C6CB815E" xmi:type="uml:Class" name="TunnelConstructiveElementUsageValue" scope="public">

<model package="EAPK\_070A5649\_8282\_4ad3\_A1DE\_A9A41FCB55B8" tpos="0" ea\_localid="8054" ea\_eleType="element"/>

<properties documentation="TunnelConstructiveElementUsageValue is a code list that enumerates the different uses of a TunnelConstructiveElement." isSpecification="false" sType="Class" nType="0" scope="public" stereotype="CodeList" isRoot="false" isLeaf="false" isAbstract="false" isActive="false"/>

<project author="Tatjana" version="1.0" phase="1.0" created="2019-09-30 11:31:24" modified="2019-12-17 14:38:15" complexity="1" status="Proposed"/>

<code product\_name="Java" gentype="Java"/>

<style appearance="BackColor=-1;BorderColor=-1;BorderWidth=-1;FontColor=-1;VSwimLanes=1;HSwimLanes=1;BorderStyle=0;"/>

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<tag xmi:id="EAID\_0BE3FA2A\_79E2\_1979\_A09B\_A2AC482A8ADB" name="asDictionary" value="true#NOTES#Values: True,False&#xA;Default: true&#xA;Description: Encode code list as externally managed dictionary.&#xA;" modelElement="EAID\_1D08EC4F\_B2D0\_4a82\_A174\_E8D8C6CB815E"/>

<tag xmi:id="EAID\_BCD3CBEE\_C886\_55c8\_A17D\_2CBEF7276D6C" name="xsdEncodingRule" value="#NOTES#Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;" modelElement="EAID\_1D08EC4F\_B2D0\_4a82\_A174\_E8D8C6CB815E"/>

</tags>

<xrefs value="$XREFPROP=$XID={716B7D9F-03DC-4c1e-AB3A-A1E220E0A201}$XID;$NAM=Stereotypes$NAM;$TYP=element property$TYP;$VIS=Public$VIS;$PAR=0$PAR;$DES=@STEREO;Name=CodeList;FQName=CityGML::CodeList;@ENDSTEREO;$DES;$CLT={1D08EC4F-B2D0-4a82-A174-E8D8C6CB815E}$CLT;$SUP=&lt;none&gt;$SUP;$ENDXREF;"/>

<extendedProperties tagged="0" package\_name="Tunnel" ea\_attsclassified="{B6DDD7CF-0D14-46db-8C0C-272082F97F30}"/>

</element>

<element xmi:idref="EAID\_7A693B3C\_DE31\_4941\_881E\_E2C8D57493D7" xmi:type="uml:Class" name="TunnelFunctionValue" scope="public">

<model package="EAPK\_070A5649\_8282\_4ad3\_A1DE\_A9A41FCB55B8" tpos="0" ea\_localid="8041" ea\_eleType="element"/>

<properties documentation="TunnelFunctionValue is a code list that enumerates the different purposes of a Tunnel." isSpecification="false" sType="Class" nType="0" scope="public" stereotype="CodeList" isRoot="false" isLeaf="false" isAbstract="false" isActive="false"/>

<project author="Tatjana" version="1.0" phase="1.0" created="2019-09-30 11:21:02" modified="2019-12-17 14:35:50" complexity="1" status="Proposed"/>

<code product\_name="Java" gentype="Java"/>

<style appearance="BackColor=-1;BorderColor=-1;BorderWidth=-1;FontColor=-1;VSwimLanes=1;HSwimLanes=1;BorderStyle=0;"/>

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<tag xmi:id="EAID\_0BE3FA2A\_79E2\_1979\_9443\_117F3FE5098F" name="asDictionary" value="true#NOTES#Values: True,False&#xA;Default: true&#xA;Description: Encode code list as externally managed dictionary.&#xA;" modelElement="EAID\_7A693B3C\_DE31\_4941\_881E\_E2C8D57493D7"/>

<tag xmi:id="EAID\_BCD3CBEE\_C886\_55c8\_8389\_392E0CF8C13F" name="xsdEncodingRule" value="#NOTES#Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;" modelElement="EAID\_7A693B3C\_DE31\_4941\_881E\_E2C8D57493D7"/>

</tags>

<xrefs value="$XREFPROP=$XID={FAAC3299-1AE9-4f5f-ABF1-01B0253FCCA4}$XID;$NAM=Stereotypes$NAM;$TYP=element property$TYP;$VIS=Public$VIS;$PAR=0$PAR;$DES=@STEREO;Name=CodeList;FQName=CityGML::CodeList;@ENDSTEREO;$DES;$CLT={7A693B3C-DE31-4941-881E-E2C8D57493D7}$CLT;$SUP=&lt;none&gt;$SUP;$ENDXREF;"/>

<extendedProperties tagged="0" package\_name="Tunnel" ea\_attsclassified="{45996C4A-53D7-4169-AF20-8B17AACD4426}"/>

</element>

<element xmi:idref="EAID\_BA0BFCD8\_7313\_41aa\_A49E\_4FEB39F3F640" xmi:type="uml:Class" name="TunnelFurniture" scope="public">

<model package="EAPK\_070A5649\_8282\_4ad3\_A1DE\_A9A41FCB55B8" tpos="0" ea\_localid="147" ea\_eleType="element"/>

<properties documentation="A TunnelFurniture is an equipment for occupant use, usually not fixed to the tunnel. [cf. ISO 6707-1]" isSpecification="false" sType="Class" nType="0" scope="public" stereotype="FeatureType" isRoot="false" isLeaf="false" isAbstract="false" isActive="false"/>

<project author="ebbinghaus" version="1.0" phase="1.0" created="2012-07-09 12:34:53" modified="2020-05-26 16:16:25" complexity="1" status="Proposed"/>

<code product\_name="Java" gentype="Java"/>

<style appearance="BackColor=-1;BorderColor=-1;BorderWidth=-1;FontColor=-1;VSwimLanes=1;HSwimLanes=1;BorderStyle=0;"/>

<tags>

<tag xmi:id="EAID\_ED33D65F\_A24E\_81a2\_B3C3\_1988CCECF6A1" name="byValuePropertyType" value="false#NOTES#Values: True,False&#xA;Default: false&#xA;Description: Create a property type that requires that the instance is encoded inline.&#xA;" modelElement="EAID\_BA0BFCD8\_7313\_41aa\_A49E\_4FEB39F3F640"/>

<tag xmi:id="EAID\_D8E5B7C5\_7754\_6c77\_B9DB\_8766900ED850" name="gmlMixin" value="false#NOTES#Values: True,False&#xA;Default: false&#xA;Description: Identifies the feature type as a mixin class.&#xA;" modelElement="EAID\_BA0BFCD8\_7313\_41aa\_A49E\_4FEB39F3F640"/>

<tag xmi:id="EAID\_26B33348\_1E57\_d91e\_99B7\_68BBE9E5E9E7" name="isCollection" value="false#NOTES#Values: True,False&#xA;Default: false&#xA;Description: Identifies the feature type as a feature collection.&#xA;" modelElement="EAID\_BA0BFCD8\_7313\_41aa\_A49E\_4FEB39F3F640"/>

<tag xmi:id="EAID\_F9638764\_E613\_9ee6\_8A60\_2617A2B7A0A8" name="noPropertyType" value="false#NOTES#Values: True,False&#xA;Default: false&#xA;Description: Suppress creation of a standard property type that supports inline or by-reference encoding.&#xA;" modelElement="EAID\_BA0BFCD8\_7313\_41aa\_A49E\_4FEB39F3F640"/>

</tags>

<xrefs value="$XREFPROP=$XID={CF82B083-E03F-4da2-86DA-ABA3C17C4ADE}$XID;$NAM=Stereotypes$NAM;$TYP=element property$TYP;$VIS=Public$VIS;$PAR=0$PAR;$DES=@STEREO;Name=FeatureType;FQName=CityGML::FeatureType;@ENDSTEREO;$DES;$CLT={BA0BFCD8-7313-41aa-A49E-4FEB39F3F640}$CLT;$SUP=&lt;none&gt;$SUP;$ENDXREF;$XREFPROP=$XID={0DB330F4-D4B8-4139-8D29-BC6AEF59DE93}$XID;$NAM=CustomProperties$NAM;$TYP=element property$TYP;$VIS=Public$VIS;$PAR=0$PAR;$DES=@PROP=@NAME=isActive@ENDNAME;@TYPE=Boolean@ENDTYPE;@VALU=0@ENDVALU;@PRMT=@ENDPRMT;@ENDPROP;$DES;$CLT={BA0BFCD8-7313-41aa-A49E-4FEB39F3F640}$CLT;$ENDXREF;"/>

<extendedProperties tagged="0" package\_name="Tunnel"/>

<attributes>

<attribute xmi:idref="EAID\_9C0C5058\_5E3D\_4940\_96AC\_8535A4138282" name="adeOfTunnelFurniture" scope="Public">

<initial/>

<documentation value="Augments the TunnelFurniture with properties defined in an ADE."/>

<model ea\_localid="10605" ea\_guid="{9C0C5058-5E3D-4940-96AC-8535A4138282}"/>

<properties type="ADEOfTunnelFurniture" collection="false" static="0" duplicates="0" changeability="changeable"/>

<coords ordered="0"/>

<containment containment="Not Specified" position="3"/>

<stereotype stereotype="Property"/>

<bounds lower="0" upper="\*"/>

<options/>

<style/>

<styleex value="volatile=0;union=0;"/>

<tags>

<tag xmi:id="EAID\_E810E922\_58E8\_b658\_AA77\_088FDD358527" name="sequenceNumber" value="4" notes="Description: Unique integer value for properties of the type used to sort properties.&#xA;"/>

<tag xmi:id="EAID\_37DFCA0A\_B550\_b0b5\_8F8A\_C00D3DFAC545" name="inlineOrByReference" value="inlineOrByReference" notes="Values: inline,byReference,inlineOrByReference&#xA;Default: inlineOrByReference&#xA;Description: Controls whether property values may be encoded inline or by reference.&#xA;"/>

<tag xmi:id="EAID\_08A8199D\_FE63\_35fe\_9B59\_0C15D06BDB15" name="isMetadata" value="false" notes="Values: True,False&#xA;Default: false&#xA;Description: Indicates whether the property is considered metadata about the instance - and not information about the phenomenon in the real world.&#xA;"/>

<tag xmi:id="EAID\_BCD3CBEE\_9454\_f194\_B0ED\_6B64C6E77689" name="xsdEncodingRule" notes="Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;"/>

</tags>

<xrefs value="$XREFPROP=$XID={1C4A0F7E-4573-4cdf-9179-16F07BCD8D35}$XID;$NAM=Stereotypes$NAM;$TYP=attribute property$TYP;$VIS=Public$VIS;$PAR=0$PAR;$DES=@STEREO;Name=Property;FQName=CityGML::Property;@ENDSTEREO;$DES;$CLT={9C0C5058-5E3D-4940-96AC-8535A4138282}$CLT;$SUP=&lt;none&gt;$SUP;$ENDXREF;"/>

</attribute>

<attribute xmi:idref="EAID\_A837467E\_AD4B\_464d\_AD9F\_BFDDC643FB54" name="class" scope="Public">

<initial/>

<documentation value="Indicates the specific type of the TunnelFurniture."/>

<model ea\_localid="208" ea\_guid="{A837467E-AD4B-464d-AD9F-BFDDC643FB54}"/>

<properties type="TunnelFurnitureClassValue" derived="0" precision="0" collection="false" length="0" static="0" duplicates="0" changeability="changeable"/>

<coords ordered="0" scale="0"/>

<containment containment="Not Specified" position="0"/>

<stereotype stereotype="Property"/>

<bounds lower="0" upper="1"/>

<options/>

<style/>

<styleex value="IsLiteral=0;volatile=0;union=0;"/>

<tags>

<tag xmi:id="EAID\_E810E922\_58E8\_b658\_B751\_137C9C5D16B4" name="sequenceNumber" value="1" notes="Description: Unique integer value for properties of the type used to sort properties.&#xA;"/>

<tag xmi:id="EAID\_37DFCA0A\_B550\_b0b5\_AA75\_88BFA4474DD2" name="inlineOrByReference" value="inlineOrByReference" notes="Values: inline,byReference,inlineOrByReference&#xA;Default: inlineOrByReference&#xA;Description: Controls whether property values may be encoded inline or by reference.&#xA;"/>

<tag xmi:id="EAID\_08A8199D\_FE63\_35fe\_91D8\_3FA109F352DB" name="isMetadata" value="false" notes="Values: True,False&#xA;Default: false&#xA;Description: Indicates whether the property is considered metadata about the instance - and not information about the phenomenon in the real world.&#xA;"/>

<tag xmi:id="EAID\_BCD3CBEE\_9454\_f194\_8097\_C3BC8CFEC7BA" name="xsdEncodingRule" notes="Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;"/>

</tags>

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</attribute>

<attribute xmi:idref="EAID\_0DCC1B1F\_6533\_4fdb\_A1C2\_7DCDD2FB9E9E" name="function" scope="Public">

<initial/>

<documentation value="Specifies the intended purposes of the TunnelFurniture."/>

<model ea\_localid="209" ea\_guid="{0DCC1B1F-6533-4fdb-A1C2-7DCDD2FB9E9E}"/>

<properties type="TunnelFurnitureFunctionValue" derived="0" precision="0" collection="false" length="0" static="0" duplicates="0" changeability="changeable"/>

<coords ordered="0" scale="0"/>

<containment containment="Not Specified" position="1"/>

<stereotype stereotype="Property"/>

<bounds lower="0" upper="\*"/>

<options/>

<style/>

<styleex value="IsLiteral=0;volatile=0;union=0;"/>

<tags>

<tag xmi:id="EAID\_E810E922\_58E8\_b658\_8574\_97F519C2FBD6" name="sequenceNumber" value="2" notes="Description: Unique integer value for properties of the type used to sort properties.&#xA;"/>

<tag xmi:id="EAID\_37DFCA0A\_B550\_b0b5\_AE12\_64DD008A4E83" name="inlineOrByReference" value="inlineOrByReference" notes="Values: inline,byReference,inlineOrByReference&#xA;Default: inlineOrByReference&#xA;Description: Controls whether property values may be encoded inline or by reference.&#xA;"/>

<tag xmi:id="EAID\_08A8199D\_FE63\_35fe\_A06E\_0C1F0DE41957" name="isMetadata" value="false" notes="Values: True,False&#xA;Default: false&#xA;Description: Indicates whether the property is considered metadata about the instance - and not information about the phenomenon in the real world.&#xA;"/>

<tag xmi:id="EAID\_BCD3CBEE\_9454\_f194\_81FE\_B10F20C387E6" name="xsdEncodingRule" notes="Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;"/>

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<xrefs value="$XREFPROP=$XID={6C1D8657-13D9-4594-8178-C3D706282318}$XID;$NAM=Stereotypes$NAM;$TYP=attribute property$TYP;$VIS=Public$VIS;$PAR=0$PAR;$DES=@STEREO;Name=Property;FQName=CityGML::Property;@ENDSTEREO;$DES;$CLT={0DCC1B1F-6533-4fdb-A1C2-7DCDD2FB9E9E}$CLT;$SUP=&lt;none&gt;$SUP;$ENDXREF;"/>

</attribute>

<attribute xmi:idref="EAID\_239A9044\_2705\_42ae\_916F\_8460B57CDBFC" name="usage" scope="Public">

<initial/>

<documentation value="Specifies the actual uses of the TunnelFurniture."/>

<model ea\_localid="210" ea\_guid="{239A9044-2705-42ae-916F-8460B57CDBFC}"/>

<properties type="TunnelFurnitureUsageValue" derived="0" precision="0" collection="false" length="0" static="0" duplicates="0" changeability="changeable"/>

<coords ordered="0" scale="0"/>

<containment containment="Not Specified" position="2"/>

<stereotype stereotype="Property"/>

<bounds lower="0" upper="\*"/>

<options/>

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<tags>

<tag xmi:id="EAID\_E810E922\_58E8\_b658\_BF3C\_3791255D1419" name="sequenceNumber" value="3" notes="Description: Unique integer value for properties of the type used to sort properties.&#xA;"/>

<tag xmi:id="EAID\_37DFCA0A\_B550\_b0b5\_9ADC\_512707B4611D" name="inlineOrByReference" value="inlineOrByReference" notes="Values: inline,byReference,inlineOrByReference&#xA;Default: inlineOrByReference&#xA;Description: Controls whether property values may be encoded inline or by reference.&#xA;"/>

<tag xmi:id="EAID\_08A8199D\_FE63\_35fe\_9520\_AD477BDBCB39" name="isMetadata" value="false" notes="Values: True,False&#xA;Default: false&#xA;Description: Indicates whether the property is considered metadata about the instance - and not information about the phenomenon in the real world.&#xA;"/>

<tag xmi:id="EAID\_BCD3CBEE\_9454\_f194\_88A1\_FE3C03CFE389" name="xsdEncodingRule" notes="Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;"/>

</tags>

<xrefs value="$XREFPROP=$XID={8F27168C-325E-443c-8F45-E2B4029C71F3}$XID;$NAM=Stereotypes$NAM;$TYP=attribute property$TYP;$VIS=Public$VIS;$PAR=0$PAR;$DES=@STEREO;Name=Property;FQName=CityGML::Property;@ENDSTEREO;$DES;$CLT={239A9044-2705-42ae-916F-8460B57CDBFC}$CLT;$SUP=&lt;none&gt;$SUP;$ENDXREF;"/>

</attribute>

</attributes>

<links>

<Generalization xmi:id="EAID\_BB02A4CA\_5F04\_496e\_9394\_41558A9B0B46" start="EAID\_BA0BFCD8\_7313\_41aa\_A49E\_4FEB39F3F640" end="EAID\_A8DC7ACD\_0AC9\_4358\_8FF2\_AF0040FB4598"/>

<Association xmi:id="EAID\_1C5EE893\_A123\_4ace\_9CE9\_80E585827CB6" start="EAID\_342B50BA\_81EC\_4980\_91AD\_756077EC2977" end="EAID\_BA0BFCD8\_7313\_41aa\_A49E\_4FEB39F3F640"/>

<Association xmi:id="EAID\_5CED9C6F\_996E\_4c8f\_8F77\_227BCE063A7B" start="EAID\_597E2B4E\_6615\_437e\_B4A8\_329962D28A73" end="EAID\_BA0BFCD8\_7313\_41aa\_A49E\_4FEB39F3F640"/>

</links>

</element>

<element xmi:idref="EAID\_26B46311\_E2A9\_4fd5\_96D7\_ACD8FDA89CAD" xmi:type="uml:Class" name="TunnelFurnitureClassValue" scope="public">

<model package="EAPK\_070A5649\_8282\_4ad3\_A1DE\_A9A41FCB55B8" tpos="0" ea\_localid="8049" ea\_eleType="element"/>

<properties documentation="TunnelFurnitureClassValue is a code list used to further classify a TunnelFurniture." isSpecification="false" sType="Class" nType="0" scope="public" stereotype="CodeList" isRoot="false" isLeaf="false" isAbstract="false" isActive="false"/>

<project author="Tatjana" version="1.0" phase="1.0" created="2019-09-30 11:26:28" modified="2019-12-17 14:37:25" complexity="1" status="Proposed"/>

<code product\_name="Java" gentype="Java"/>

<style appearance="BackColor=-1;BorderColor=-1;BorderWidth=-1;FontColor=-1;VSwimLanes=1;HSwimLanes=1;BorderStyle=0;"/>

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<tag xmi:id="EAID\_0BE3FA2A\_79E2\_1979\_9159\_E6DEF914FB06" name="asDictionary" value="true#NOTES#Values: True,False&#xA;Default: true&#xA;Description: Encode code list as externally managed dictionary.&#xA;" modelElement="EAID\_26B46311\_E2A9\_4fd5\_96D7\_ACD8FDA89CAD"/>

<tag xmi:id="EAID\_BCD3CBEE\_C886\_55c8\_8531\_4BDD18A0942E" name="xsdEncodingRule" value="#NOTES#Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;" modelElement="EAID\_26B46311\_E2A9\_4fd5\_96D7\_ACD8FDA89CAD"/>

</tags>

<xrefs value="$XREFPROP=$XID={D7C9CADD-1807-428b-A402-DEFEBA6BF146}$XID;$NAM=Stereotypes$NAM;$TYP=element property$TYP;$VIS=Public$VIS;$PAR=0$PAR;$DES=@STEREO;Name=CodeList;FQName=CityGML::CodeList;@ENDSTEREO;$DES;$CLT={26B46311-E2A9-4fd5-96D7-ACD8FDA89CAD}$CLT;$SUP=&lt;none&gt;$SUP;$ENDXREF;"/>

<extendedProperties tagged="0" package\_name="Tunnel" ea\_attsclassified="{A837467E-AD4B-464d-AD9F-BFDDC643FB54}"/>

<attributes>

<attribute xmi:idref="EAID\_97A68653\_BB11\_4a25\_96A2\_922EC4E0553B" name="CCTV" scope="Public">

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<documentation/>

<model ea\_localid="10720" ea\_guid="{97A68653-BB11-4a25-96A2-922EC4E0553B}"/>

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<stereotype/>

<bounds lower="1" upper="1"/>

<options/>

<style/>

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<tags/>

<xrefs/>

</attribute>

<attribute xmi:idref="EAID\_4F67CDC1\_554E\_4b2e\_9701\_1AC8F75B311A" name="drainage facility" scope="Public">

<initial/>

<documentation/>

<model ea\_localid="10721" ea\_guid="{4F67CDC1-554E-4b2e-9701-1AC8F75B311A}"/>

<properties collection="false" static="0" duplicates="0" changeability="changeable"/>

<coords ordered="0"/>

<containment containment="Not Specified" position="3"/>

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<tags/>

<xrefs/>

</attribute>

<attribute xmi:idref="EAID\_4871A4D3\_BA0E\_4e3b\_8692\_6C4DD524D9DC" name="evacuation facilities" scope="Public">

<initial/>

<documentation/>

<model ea\_localid="10723" ea\_guid="{4871A4D3-BA0E-4e3b-8692-6C4DD524D9DC}"/>

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<tags/>

<xrefs/>

</attribute>

<attribute xmi:idref="EAID\_C6C612EE\_5882\_4758\_BCC4\_BA9166DACF33" name="fire extinguishing system" scope="Public">

<initial/>

<documentation/>

<model ea\_localid="10728" ea\_guid="{C6C612EE-5882-4758-BCC4-BA9166DACF33}"/>

<properties collection="false" static="0" duplicates="0" changeability="changeable"/>

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<initial/>

<documentation/>

<model ea\_localid="10722" ea\_guid="{BD1D0C36-AA07-41e3-BE40-E53620407F06}"/>

<properties collection="false" static="0" duplicates="0" changeability="changeable"/>

<coords ordered="0"/>

<containment containment="Not Specified" position="4"/>

<stereotype/>

<bounds lower="1" upper="1"/>

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<properties documentation="TunnelFurnitureFunctionValue is a code list that enumerates the different purposes of a TunnelFurniture." isSpecification="false" sType="Class" nType="0" scope="public" stereotype="CodeList" isRoot="false" isLeaf="false" isAbstract="false" isActive="false"/>

<project author="Tatjana" version="1.0" phase="1.0" created="2019-09-30 11:26:37" modified="2019-12-17 14:37:34" complexity="1" status="Proposed"/>

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<tag xmi:id="EAID\_BCD3CBEE\_C886\_55c8\_B908\_C7B95F8D4E66" name="xsdEncodingRule" value="#NOTES#Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;" modelElement="EAID\_EB46A2D5\_D288\_4163\_88C5\_00725183BD17"/>

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<project author="Tatjana" version="1.0" phase="1.0" created="2019-09-30 11:26:48" modified="2019-12-17 14:37:45" complexity="1" status="Proposed"/>

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</attributes>

</element>

<element xmi:idref="EAID\_4BD38C53\_DB8F\_4be8\_8CAF\_4BD76D13A667" xmi:type="uml:Class" name="TunnelInstallation" scope="public">

<model package="EAPK\_070A5649\_8282\_4ad3\_A1DE\_A9A41FCB55B8" tpos="0" ea\_localid="139" ea\_eleType="element"/>

<properties documentation="A TunnelInstallation is a permanent part of a Tunnel (inside and/or outside) which does not have the significance of a TunnelPart. In contrast to TunnelConstructiveElement, a TunnelInstallation is not essential from a structural point of view. Examples are stairs, antennas or railings." isSpecification="false" sType="Class" nType="0" scope="public" stereotype="FeatureType" isRoot="false" isLeaf="false" isAbstract="false" isActive="false"/>

<project author="ebbinghaus" version="1.0" phase="1.0" created="2012-07-09 12:34:53" modified="2020-05-26 16:16:25" complexity="1" status="Proposed"/>

<code product\_name="Java" gentype="Java"/>

<style appearance="BackColor=-1;BorderColor=-1;BorderWidth=-1;FontColor=-1;VSwimLanes=1;HSwimLanes=1;BorderStyle=0;"/>

<tags>

<tag xmi:id="EAID\_ED33D65F\_A24E\_81a2\_A52C\_801F3A6B4856" name="byValuePropertyType" value="false#NOTES#Values: True,False&#xA;Default: false&#xA;Description: Create a property type that requires that the instance is encoded inline.&#xA;" modelElement="EAID\_4BD38C53\_DB8F\_4be8\_8CAF\_4BD76D13A667"/>

<tag xmi:id="EAID\_D8E5B7C5\_7754\_6c77\_AAF2\_EE8951114CE1" name="gmlMixin" value="false#NOTES#Values: True,False&#xA;Default: false&#xA;Description: Identifies the feature type as a mixin class.&#xA;" modelElement="EAID\_4BD38C53\_DB8F\_4be8\_8CAF\_4BD76D13A667"/>

<tag xmi:id="EAID\_26B33348\_1E57\_d91e\_B132\_74BD62EC096A" name="isCollection" value="false#NOTES#Values: True,False&#xA;Default: false&#xA;Description: Identifies the feature type as a feature collection.&#xA;" modelElement="EAID\_4BD38C53\_DB8F\_4be8\_8CAF\_4BD76D13A667"/>

<tag xmi:id="EAID\_F9638764\_E613\_9ee6\_B8F8\_2800DC214F21" name="noPropertyType" value="false#NOTES#Values: True,False&#xA;Default: false&#xA;Description: Suppress creation of a standard property type that supports inline or by-reference encoding.&#xA;" modelElement="EAID\_4BD38C53\_DB8F\_4be8\_8CAF\_4BD76D13A667"/>

</tags>

<xrefs value="$XREFPROP=$XID={47D2D6B4-1865-4c64-8560-014C072D650B}$XID;$NAM=Stereotypes$NAM;$TYP=element property$TYP;$VIS=Public$VIS;$PAR=0$PAR;$DES=@STEREO;Name=FeatureType;FQName=CityGML::FeatureType;@ENDSTEREO;$DES;$CLT={4BD38C53-DB8F-4be8-8CAF-4BD76D13A667}$CLT;$SUP=&lt;none&gt;$SUP;$ENDXREF;$XREFPROP=$XID={835F8999-CF25-46fd-9E8A-EF0E784BC11A}$XID;$NAM=CustomProperties$NAM;$TYP=element property$TYP;$VIS=Public$VIS;$PAR=0$PAR;$DES=@PROP=@NAME=isActive@ENDNAME;@TYPE=Boolean@ENDTYPE;@VALU=0@ENDVALU;@PRMT=@ENDPRMT;@ENDPROP;$DES;$CLT={4BD38C53-DB8F-4be8-8CAF-4BD76D13A667}$CLT;$ENDXREF;"/>

<extendedProperties tagged="0" package\_name="Tunnel"/>

<attributes>

<attribute xmi:idref="EAID\_BC5EE621\_B2ED\_4270\_8C49\_CBB96EED2B86" name="adeOfTunnelInstallation" scope="Public">

<initial/>

<documentation value="Augments the TunnelInstallation with properties defined in an ADE."/>

<model ea\_localid="10604" ea\_guid="{BC5EE621-B2ED-4270-8C49-CBB96EED2B86}"/>

<properties type="ADEOfTunnelInstallation" collection="false" static="0" duplicates="0" changeability="changeable"/>

<coords ordered="0"/>

<containment containment="Not Specified" position="3"/>

<stereotype stereotype="Property"/>

<bounds lower="0" upper="\*"/>

<options/>

<style/>

<styleex value="volatile=0;union=0;"/>

<tags>

<tag xmi:id="EAID\_E810E922\_58E8\_b658\_B10B\_E4B294C2E7FC" name="sequenceNumber" value="4" notes="Description: Unique integer value for properties of the type used to sort properties.&#xA;"/>

<tag xmi:id="EAID\_37DFCA0A\_B550\_b0b5\_A137\_9D3A7595482F" name="inlineOrByReference" value="inlineOrByReference" notes="Values: inline,byReference,inlineOrByReference&#xA;Default: inlineOrByReference&#xA;Description: Controls whether property values may be encoded inline or by reference.&#xA;"/>

<tag xmi:id="EAID\_08A8199D\_FE63\_35fe\_9BCD\_2888E689B818" name="isMetadata" value="false" notes="Values: True,False&#xA;Default: false&#xA;Description: Indicates whether the property is considered metadata about the instance - and not information about the phenomenon in the real world.&#xA;"/>

<tag xmi:id="EAID\_BCD3CBEE\_9454\_f194\_BC35\_F5279F10B29D" name="xsdEncodingRule" notes="Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;"/>

</tags>

<xrefs value="$XREFPROP=$XID={A36CD8AC-554A-4b6d-91C7-2E6F8E552F0E}$XID;$NAM=Stereotypes$NAM;$TYP=attribute property$TYP;$VIS=Public$VIS;$PAR=0$PAR;$DES=@STEREO;Name=Property;FQName=CityGML::Property;@ENDSTEREO;$DES;$CLT={BC5EE621-B2ED-4270-8C49-CBB96EED2B86}$CLT;$SUP=&lt;none&gt;$SUP;$ENDXREF;"/>

</attribute>

<attribute xmi:idref="EAID\_DAE0EA6D\_AAAB\_4f6c\_8BB0\_E1A269A71E65" name="class" scope="Public">

<initial/>

<documentation value="Indicates the specific type of the TunnelInstallation."/>

<model ea\_localid="197" ea\_guid="{DAE0EA6D-AAAB-4f6c-8BB0-E1A269A71E65}"/>

<properties type="TunnelInstallationClassValue" derived="0" precision="0" collection="false" length="0" static="0" duplicates="0" changeability="changeable"/>

<coords ordered="0" scale="0"/>

<containment containment="Not Specified" position="0"/>

<stereotype stereotype="Property"/>

<bounds lower="0" upper="1"/>

<options/>

<style/>

<styleex value="IsLiteral=0;volatile=0;union=0;"/>

<tags>

<tag xmi:id="EAID\_E810E922\_58E8\_b658\_A53E\_E4DBAA05945D" name="sequenceNumber" value="1" notes="Description: Unique integer value for properties of the type used to sort properties.&#xA;"/>

<tag xmi:id="EAID\_37DFCA0A\_B550\_b0b5\_8C4F\_ACC39EC7E09B" name="inlineOrByReference" value="inlineOrByReference" notes="Values: inline,byReference,inlineOrByReference&#xA;Default: inlineOrByReference&#xA;Description: Controls whether property values may be encoded inline or by reference.&#xA;"/>

<tag xmi:id="EAID\_08A8199D\_FE63\_35fe\_BA09\_C77B8A0233D8" name="isMetadata" value="false" notes="Values: True,False&#xA;Default: false&#xA;Description: Indicates whether the property is considered metadata about the instance - and not information about the phenomenon in the real world.&#xA;"/>

<tag xmi:id="EAID\_BCD3CBEE\_9454\_f194\_881C\_93A3BF19A003" name="xsdEncodingRule" notes="Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;"/>

</tags>

<xrefs value="$XREFPROP=$XID={D60EB9A2-EB3E-4a31-BAE5-3EB5495F762D}$XID;$NAM=Stereotypes$NAM;$TYP=attribute property$TYP;$VIS=Public$VIS;$PAR=0$PAR;$DES=@STEREO;Name=Property;FQName=CityGML::Property;@ENDSTEREO;$DES;$CLT={DAE0EA6D-AAAB-4f6c-8BB0-E1A269A71E65}$CLT;$SUP=&lt;none&gt;$SUP;$ENDXREF;"/>

</attribute>

<attribute xmi:idref="EAID\_CB137DA4\_2F12\_4c5e\_9731\_54881C11B0FC" name="function" scope="Public">

<initial/>

<documentation value="Specifies the intended purposes of the TunnelInstallation."/>

<model ea\_localid="198" ea\_guid="{CB137DA4-2F12-4c5e-9731-54881C11B0FC}"/>

<properties type="TunnelInstallationFunctionValue" derived="0" precision="0" collection="false" length="0" static="0" duplicates="0" changeability="changeable"/>

<coords ordered="0" scale="0"/>

<containment containment="Not Specified" position="1"/>

<stereotype stereotype="Property"/>

<bounds lower="0" upper="\*"/>

<options/>

<style/>

<styleex value="IsLiteral=0;volatile=0;union=0;"/>

<tags>

<tag xmi:id="EAID\_E810E922\_58E8\_b658\_83D3\_72727114E396" name="sequenceNumber" value="2" notes="Description: Unique integer value for properties of the type used to sort properties.&#xA;"/>

<tag xmi:id="EAID\_37DFCA0A\_B550\_b0b5\_9E0C\_5C88A70B5FB4" name="inlineOrByReference" value="inlineOrByReference" notes="Values: inline,byReference,inlineOrByReference&#xA;Default: inlineOrByReference&#xA;Description: Controls whether property values may be encoded inline or by reference.&#xA;"/>

<tag xmi:id="EAID\_08A8199D\_FE63\_35fe\_8E61\_8A855A7AD438" name="isMetadata" value="false" notes="Values: True,False&#xA;Default: false&#xA;Description: Indicates whether the property is considered metadata about the instance - and not information about the phenomenon in the real world.&#xA;"/>

<tag xmi:id="EAID\_BCD3CBEE\_9454\_f194\_B28A\_5C57911008C7" name="xsdEncodingRule" notes="Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;"/>

</tags>

<xrefs value="$XREFPROP=$XID={12520BF1-1112-44a6-8CCA-366FAFC1772F}$XID;$NAM=Stereotypes$NAM;$TYP=attribute property$TYP;$VIS=Public$VIS;$PAR=0$PAR;$DES=@STEREO;Name=Property;FQName=CityGML::Property;@ENDSTEREO;$DES;$CLT={CB137DA4-2F12-4c5e-9731-54881C11B0FC}$CLT;$SUP=&lt;none&gt;$SUP;$ENDXREF;"/>

</attribute>

<attribute xmi:idref="EAID\_AFE55AAE\_60AF\_4faf\_AF3F\_0EFDA221606A" name="usage" scope="Public">

<initial/>

<documentation value="Specifies the actual uses of the TunnelInstallation."/>

<model ea\_localid="199" ea\_guid="{AFE55AAE-60AF-4faf-AF3F-0EFDA221606A}"/>

<properties type="TunnelInstallationUsageValue" derived="0" precision="0" collection="false" length="0" static="0" duplicates="0" changeability="changeable"/>

<coords ordered="0" scale="0"/>

<containment containment="Not Specified" position="2"/>

<stereotype stereotype="Property"/>

<bounds lower="0" upper="\*"/>

<options/>

<style/>

<styleex value="IsLiteral=0;volatile=0;union=0;"/>

<tags>

<tag xmi:id="EAID\_E810E922\_58E8\_b658\_8740\_992DA15FB9D3" name="sequenceNumber" value="3" notes="Description: Unique integer value for properties of the type used to sort properties.&#xA;"/>

<tag xmi:id="EAID\_37DFCA0A\_B550\_b0b5\_9C6B\_3ED426CB339F" name="inlineOrByReference" value="inlineOrByReference" notes="Values: inline,byReference,inlineOrByReference&#xA;Default: inlineOrByReference&#xA;Description: Controls whether property values may be encoded inline or by reference.&#xA;"/>

<tag xmi:id="EAID\_08A8199D\_FE63\_35fe\_AC36\_FDEAB186296E" name="isMetadata" value="false" notes="Values: True,False&#xA;Default: false&#xA;Description: Indicates whether the property is considered metadata about the instance - and not information about the phenomenon in the real world.&#xA;"/>

<tag xmi:id="EAID\_BCD3CBEE\_9454\_f194\_A5F5\_B1F6038F3CFE" name="xsdEncodingRule" notes="Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;"/>

</tags>

<xrefs value="$XREFPROP=$XID={207A8DE2-6B38-4e88-84C2-3F69C9729C3D}$XID;$NAM=Stereotypes$NAM;$TYP=attribute property$TYP;$VIS=Public$VIS;$PAR=0$PAR;$DES=@STEREO;Name=Property;FQName=CityGML::Property;@ENDSTEREO;$DES;$CLT={AFE55AAE-60AF-4faf-AF3F-0EFDA221606A}$CLT;$SUP=&lt;none&gt;$SUP;$ENDXREF;"/>

</attribute>

</attributes>

<links>

<Generalization xmi:id="EAID\_0C49F277\_C296\_4b3c\_B8D3\_2B2F0EB5B413" start="EAID\_4BD38C53\_DB8F\_4be8\_8CAF\_4BD76D13A667" end="EAID\_73A90C21\_D0FC\_4bff\_9316\_6DA37C582F2C"/>

<Association xmi:id="EAID\_033065B5\_5505\_49c8\_846F\_35E697134F23" start="EAID\_342B50BA\_81EC\_4980\_91AD\_756077EC2977" end="EAID\_4BD38C53\_DB8F\_4be8\_8CAF\_4BD76D13A667"/>

<Association xmi:id="EAID\_6DC7EB08\_8218\_4ea2\_92FC\_17E6556D2499" start="EAID\_597E2B4E\_6615\_437e\_B4A8\_329962D28A73" end="EAID\_4BD38C53\_DB8F\_4be8\_8CAF\_4BD76D13A667"/>

</links>

</element>

<element xmi:idref="EAID\_FB0C6B39\_8E71\_4b8e\_9161\_0437C2E6E643" xmi:type="uml:Class" name="TunnelInstallationClassValue" scope="public">

<model package="EAPK\_070A5649\_8282\_4ad3\_A1DE\_A9A41FCB55B8" tpos="0" ea\_localid="8046" ea\_eleType="element"/>

<properties documentation="TunnelInstallationClassValue is a code list used to further classify a TunnelInstallation." isSpecification="false" sType="Class" nType="0" scope="public" stereotype="CodeList" isRoot="false" isLeaf="false" isAbstract="false" isActive="false"/>

<project author="Tatjana" version="1.0" phase="1.0" created="2019-09-30 11:25:10" modified="2019-12-17 14:36:36" complexity="1" status="Proposed"/>

<code product\_name="Java" gentype="Java"/>

<style appearance="BackColor=-1;BorderColor=-1;BorderWidth=-1;FontColor=-1;VSwimLanes=1;HSwimLanes=1;BorderStyle=0;"/>

<tags>

<tag xmi:id="EAID\_0BE3FA2A\_79E2\_1979\_9B08\_759371EF5ED5" name="asDictionary" value="true#NOTES#Values: True,False&#xA;Default: true&#xA;Description: Encode code list as externally managed dictionary.&#xA;" modelElement="EAID\_FB0C6B39\_8E71\_4b8e\_9161\_0437C2E6E643"/>

<tag xmi:id="EAID\_BCD3CBEE\_C886\_55c8\_85BC\_3392DDF401DA" name="xsdEncodingRule" value="#NOTES#Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;" modelElement="EAID\_FB0C6B39\_8E71\_4b8e\_9161\_0437C2E6E643"/>

</tags>

<xrefs value="$XREFPROP=$XID={449D134D-8055-475f-AA7F-D8A529C17E36}$XID;$NAM=Stereotypes$NAM;$TYP=element property$TYP;$VIS=Public$VIS;$PAR=0$PAR;$DES=@STEREO;Name=CodeList;FQName=CityGML::CodeList;@ENDSTEREO;$DES;$CLT={FB0C6B39-8E71-4b8e-9161-0437C2E6E643}$CLT;$SUP=&lt;none&gt;$SUP;$ENDXREF;"/>

<extendedProperties tagged="0" package\_name="Tunnel" ea\_attsclassified="{DAE0EA6D-AAAB-4f6c-8BB0-E1A269A71E65}"/>

</element>

<element xmi:idref="EAID\_BA06E5B4\_F1EF\_4638\_AA45\_930E3E6C62D4" xmi:type="uml:Class" name="TunnelInstallationFunctionValue" scope="public">

<model package="EAPK\_070A5649\_8282\_4ad3\_A1DE\_A9A41FCB55B8" tpos="0" ea\_localid="8047" ea\_eleType="element"/>

<properties documentation="TunnelInstallationFunctionValue is a code list that enumerates the different purposes of a TunnelInstallation." isSpecification="false" sType="Class" nType="0" scope="public" stereotype="CodeList" isRoot="false" isLeaf="false" isAbstract="false" isActive="false"/>

<project author="Tatjana" version="1.0" phase="1.0" created="2019-09-30 11:25:19" modified="2019-12-17 14:36:43" complexity="1" status="Proposed"/>

<code product\_name="Java" gentype="Java"/>

<style appearance="BackColor=-1;BorderColor=-1;BorderWidth=-1;FontColor=-1;VSwimLanes=1;HSwimLanes=1;BorderStyle=0;"/>

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<tag xmi:id="EAID\_0BE3FA2A\_79E2\_1979\_87C7\_55333489E332" name="asDictionary" value="true#NOTES#Values: True,False&#xA;Default: true&#xA;Description: Encode code list as externally managed dictionary.&#xA;" modelElement="EAID\_BA06E5B4\_F1EF\_4638\_AA45\_930E3E6C62D4"/>

<tag xmi:id="EAID\_BCD3CBEE\_C886\_55c8\_BC19\_D09EE28784E8" name="xsdEncodingRule" value="#NOTES#Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;" modelElement="EAID\_BA06E5B4\_F1EF\_4638\_AA45\_930E3E6C62D4"/>

</tags>

<xrefs value="$XREFPROP=$XID={0E35241F-DDC0-4402-B431-506412B25289}$XID;$NAM=Stereotypes$NAM;$TYP=element property$TYP;$VIS=Public$VIS;$PAR=0$PAR;$DES=@STEREO;Name=CodeList;FQName=CityGML::CodeList;@ENDSTEREO;$DES;$CLT={BA06E5B4-F1EF-4638-AA45-930E3E6C62D4}$CLT;$SUP=&lt;none&gt;$SUP;$ENDXREF;"/>

<extendedProperties tagged="0" package\_name="Tunnel" ea\_attsclassified="{CB137DA4-2F12-4c5e-9731-54881C11B0FC}"/>

</element>

<element xmi:idref="EAID\_1AC2CD84\_729C\_480c\_B478\_F41641D36540" xmi:type="uml:Class" name="TunnelInstallationUsageValue" scope="public">

<model package="EAPK\_070A5649\_8282\_4ad3\_A1DE\_A9A41FCB55B8" tpos="0" ea\_localid="8048" ea\_eleType="element"/>

<properties documentation="TunnelInstallationUsageValue is a code list that enumerates the different uses of a TunnelInstallation." isSpecification="false" sType="Class" nType="0" scope="public" stereotype="CodeList" isRoot="false" isLeaf="false" isAbstract="false" isActive="false"/>

<project author="Tatjana" version="1.0" phase="1.0" created="2019-09-30 11:25:29" modified="2019-12-17 14:36:52" complexity="1" status="Proposed"/>

<code product\_name="Java" gentype="Java"/>

<style appearance="BackColor=-1;BorderColor=-1;BorderWidth=-1;FontColor=-1;VSwimLanes=1;HSwimLanes=1;BorderStyle=0;"/>

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<tag xmi:id="EAID\_0BE3FA2A\_79E2\_1979\_BD65\_F804C60FA341" name="asDictionary" value="true#NOTES#Values: True,False&#xA;Default: true&#xA;Description: Encode code list as externally managed dictionary.&#xA;" modelElement="EAID\_1AC2CD84\_729C\_480c\_B478\_F41641D36540"/>

<tag xmi:id="EAID\_BCD3CBEE\_C886\_55c8\_ADDD\_E19221B0FBF4" name="xsdEncodingRule" value="#NOTES#Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;" modelElement="EAID\_1AC2CD84\_729C\_480c\_B478\_F41641D36540"/>

</tags>

<xrefs value="$XREFPROP=$XID={6FFF6144-3731-4f5d-81A0-DBCB871EED94}$XID;$NAM=Stereotypes$NAM;$TYP=element property$TYP;$VIS=Public$VIS;$PAR=0$PAR;$DES=@STEREO;Name=CodeList;FQName=CityGML::CodeList;@ENDSTEREO;$DES;$CLT={1AC2CD84-729C-480c-B478-F41641D36540}$CLT;$SUP=&lt;none&gt;$SUP;$ENDXREF;"/>

<extendedProperties tagged="0" package\_name="Tunnel" ea\_attsclassified="{AFE55AAE-60AF-4faf-AF3F-0EFDA221606A}"/>

</element>

<element xmi:idref="EAID\_C578A63A\_9CC6\_4eec\_B087\_7FBE4E3CE003" xmi:type="uml:Class" name="TunnelPart" scope="public">

<model package="EAPK\_070A5649\_8282\_4ad3\_A1DE\_A9A41FCB55B8" tpos="0" ea\_localid="149" ea\_eleType="element"/>

<properties documentation="A TunnelPart is a physical or functional subdivision of a Tunnel. It would be considered a Tunnel, if it were not part of a collection of other TunnelParts." isSpecification="false" sType="Class" nType="0" scope="public" stereotype="FeatureType" isRoot="false" isLeaf="false" isAbstract="false" isActive="false"/>

<project author="ebbinghaus" version="1.0" phase="1.0" created="2012-07-09 12:34:53" modified="2020-05-26 15:41:03" complexity="1" status="Proposed"/>

<code product\_name="Java" gentype="Java"/>

<style appearance="BackColor=-1;BorderColor=-1;BorderWidth=-1;FontColor=-1;VSwimLanes=1;HSwimLanes=1;BorderStyle=0;"/>

<tags>

<tag xmi:id="EAID\_ED33D65F\_A24E\_81a2\_BCEC\_41F8114E4EAC" name="byValuePropertyType" value="false#NOTES#Values: True,False&#xA;Default: false&#xA;Description: Create a property type that requires that the instance is encoded inline.&#xA;" modelElement="EAID\_C578A63A\_9CC6\_4eec\_B087\_7FBE4E3CE003"/>

<tag xmi:id="EAID\_D8E5B7C5\_7754\_6c77\_8FD8\_F298D1390B7B" name="gmlMixin" value="false#NOTES#Values: True,False&#xA;Default: false&#xA;Description: Identifies the feature type as a mixin class.&#xA;" modelElement="EAID\_C578A63A\_9CC6\_4eec\_B087\_7FBE4E3CE003"/>

<tag xmi:id="EAID\_26B33348\_1E57\_d91e\_9D6B\_AD9CB2DB5622" name="isCollection" value="false#NOTES#Values: True,False&#xA;Default: false&#xA;Description: Identifies the feature type as a feature collection.&#xA;" modelElement="EAID\_C578A63A\_9CC6\_4eec\_B087\_7FBE4E3CE003"/>

<tag xmi:id="EAID\_F9638764\_E613\_9ee6\_B7BA\_9221EEF6B782" name="noPropertyType" value="false#NOTES#Values: True,False&#xA;Default: false&#xA;Description: Suppress creation of a standard property type that supports inline or by-reference encoding.&#xA;" modelElement="EAID\_C578A63A\_9CC6\_4eec\_B087\_7FBE4E3CE003"/>

</tags>

<xrefs value="$XREFPROP=$XID={01718898-2EE1-4d16-B60B-31E3ADB6FB3C}$XID;$NAM=Stereotypes$NAM;$TYP=element property$TYP;$VIS=Public$VIS;$PAR=0$PAR;$DES=@STEREO;Name=FeatureType;FQName=CityGML::FeatureType;@ENDSTEREO;$DES;$CLT={C578A63A-9CC6-4eec-B087-7FBE4E3CE003}$CLT;$SUP=&lt;none&gt;$SUP;$ENDXREF;$XREFPROP=$XID={6940203D-C982-4bdf-9122-5F9577DBE864}$XID;$NAM=CustomProperties$NAM;$TYP=element property$TYP;$VIS=Public$VIS;$PAR=0$PAR;$DES=@PROP=@NAME=isActive@ENDNAME;@TYPE=Boolean@ENDTYPE;@VALU=0@ENDVALU;@PRMT=@ENDPRMT;@ENDPROP;$DES;$CLT={C578A63A-9CC6-4eec-B087-7FBE4E3CE003}$CLT;$ENDXREF;"/>

<extendedProperties tagged="0" package\_name="Tunnel"/>

<attributes>

<attribute xmi:idref="EAID\_5D2BA1DC\_F642\_434f\_8828\_5A584BAA42CB" name="adeOfTunnelPart" scope="Public">

<initial/>

<documentation value="Augments the TunnelPart with properties defined in an ADE."/>

<model ea\_localid="10601" ea\_guid="{5D2BA1DC-F642-434f-8828-5A584BAA42CB}"/>

<properties type="ADEOfTunnelPart" collection="false" static="0" duplicates="0" changeability="changeable"/>

<coords ordered="0"/>

<containment containment="Not Specified" position="0"/>

<stereotype stereotype="Property"/>

<bounds lower="0" upper="\*"/>

<options/>

<style/>

<styleex value="volatile=0;union=0;"/>

<tags>

<tag xmi:id="EAID\_E810E922\_58E8\_b658\_83FB\_7E9C0E314973" name="sequenceNumber" value="1" notes="Description: Unique integer value for properties of the type used to sort properties.&#xA;"/>

<tag xmi:id="EAID\_37DFCA0A\_B550\_b0b5\_AAE0\_107591A5F625" name="inlineOrByReference" value="inlineOrByReference" notes="Values: inline,byReference,inlineOrByReference&#xA;Default: inlineOrByReference&#xA;Description: Controls whether property values may be encoded inline or by reference.&#xA;"/>

<tag xmi:id="EAID\_08A8199D\_FE63\_35fe\_9A71\_CD518006BC9A" name="isMetadata" value="false" notes="Values: True,False&#xA;Default: false&#xA;Description: Indicates whether the property is considered metadata about the instance - and not information about the phenomenon in the real world.&#xA;"/>

<tag xmi:id="EAID\_BCD3CBEE\_9454\_f194\_A427\_EA7F3A724C7F" name="xsdEncodingRule" notes="Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;"/>

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</attributes>

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<Generalization xmi:id="EAID\_0471AF7A\_EBF8\_4956\_AF7A\_B05F06CE89AA" start="EAID\_C578A63A\_9CC6\_4eec\_B087\_7FBE4E3CE003" end="EAID\_597E2B4E\_6615\_437e\_B4A8\_329962D28A73"/>

<Association xmi:id="EAID\_93AB8DFB\_2A96\_41e0\_8278\_512E897C79C5" start="EAID\_385B097B\_BB31\_47a6\_892E\_BC5FA36EB095" end="EAID\_C578A63A\_9CC6\_4eec\_B087\_7FBE4E3CE003"/>

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<element xmi:idref="EAID\_4C66967F\_A247\_4f4b\_8CAA\_F8660246FEFB" xmi:type="uml:Class" name="TunnelTextureFunctionValue" scope="public">

<model package="EAPK\_070A5649\_8282\_4ad3\_A1DE\_A9A41FCB55B8" tpos="0" ea\_localid="8353" ea\_eleType="element"/>

<properties isSpecification="false" sType="Class" nType="0" scope="public" stereotype="CodeList" isRoot="false" isLeaf="false" isAbstract="false" isActive="false"/>

<project author="User" version="1.0" phase="1.0" created="2021-09-26 04:32:14" modified="2021-09-26 04:32:31" complexity="1" status="Proposed"/>

<code product\_name="Java" gentype="Java"/>

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<tag xmi:id="EAID\_BCD3CBEE\_C886\_55c8\_9600\_D2D7D2D9F0DE" name="xsdEncodingRule" value="#NOTES#Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;" modelElement="EAID\_4C66967F\_A247\_4f4b\_8CAA\_F8660246FEFB"/>

</tags>

<xrefs value="$XREFPROP=$XID={9B3CBE70-6817-4173-9526-DB0A1A79B8F3}$XID;$NAM=Stereotypes$NAM;$TYP=element property$TYP;$VIS=Public$VIS;$PAR=0$PAR;$DES=@STEREO;Name=CodeList;FQName=CityGML::CodeList;@ENDSTEREO;$DES;$CLT={4C66967F-A247-4f4b-8CAA-F8660246FEFB}$CLT;$SUP=&lt;none&gt;$SUP;$ENDXREF;"/>

<extendedProperties tagged="0" package\_name="Tunnel"/>

</element>

<element xmi:idref="EAID\_F8FF7619\_E272\_44f3\_9900\_632F023C68A9" xmi:type="uml:Class" name="TunnelTextureTypeValue" scope="public">

<model package="EAPK\_070A5649\_8282\_4ad3\_A1DE\_A9A41FCB55B8" tpos="0" ea\_localid="8351" ea\_eleType="element"/>

<properties isSpecification="false" sType="Class" nType="0" scope="public" stereotype="CodeList" isRoot="false" isLeaf="false" isAbstract="false" isActive="false"/>

<project author="User" version="1.0" phase="1.0" created="2021-09-26 03:10:47" modified="2021-09-26 18:34:14" complexity="1" status="Proposed"/>

<code product\_name="Java" gentype="Java"/>

<style appearance="BackColor=-1;BorderColor=-1;BorderWidth=-1;FontColor=-1;VSwimLanes=1;HSwimLanes=1;BorderStyle=0;"/>

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<tag xmi:id="EAID\_BCD3CBEE\_C886\_55c8\_9822\_9A3488F5277F" name="xsdEncodingRule" value="#NOTES#Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;" modelElement="EAID\_F8FF7619\_E272\_44f3\_9900\_632F023C68A9"/>

</tags>

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<extendedProperties tagged="0" package\_name="Tunnel" ea\_attsclassified="{E798015E-0010-4a59-BCBF-59DF3B5F2E20},{7CCCDDD2-2B18-4256-B868-B287C12315A2},{3BFA59BC-8E67-42d7-BEDD-A866784FE207},{68D0F18D-79E6-4b48-8BA6-FFC50A1FCB49},{091432E5-5F47-4679-AD25-279632BE03BD}"/>

<attributes>

<attribute xmi:idref="EAID\_B87C1620\_5421\_4508\_8706\_E4C04C84A9AC" name="asphalt" scope="Public">

<initial/>

<documentation/>

<model ea\_localid="10733" ea\_guid="{B87C1620-5421-4508-8706-E4C04C84A9AC}"/>

<properties collection="false" static="0" duplicates="0" changeability="changeable"/>

<coords ordered="0"/>

<containment containment="Not Specified" position="3"/>

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<options/>

<style/>

<styleex value="volatile=0;"/>

<tags/>

<xrefs/>

</attribute>

<attribute xmi:idref="EAID\_6C166B2D\_1E22\_4342\_8880\_FAD259EF6375" name="cast iron" scope="Public">

<initial/>

<documentation/>

<model ea\_localid="10731" ea\_guid="{6C166B2D-1E22-4342-8880-FAD259EF6375}"/>

<properties collection="false" static="0" duplicates="0" changeability="changeable"/>

<coords ordered="0"/>

<containment containment="Not Specified" position="1"/>

<stereotype/>

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<initial/>

<documentation/>

<model ea\_localid="10735" ea\_guid="{30B7D056-713C-4c00-8F74-74DD9A5CC1EB}"/>

<properties collection="false" static="0" duplicates="0" changeability="changeable"/>

<coords ordered="0"/>

<containment containment="Not Specified" position="5"/>

<stereotype/>

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<properties collection="false" static="0" duplicates="0" changeability="changeable"/>

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<documentation/>

<model ea\_localid="10736" ea\_guid="{96D097CF-26F5-44c8-8F1A-3E22800BE0E7}"/>

<properties collection="false" static="0" duplicates="0" changeability="changeable"/>

<coords ordered="0"/>

<containment containment="Not Specified" position="6"/>

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<model ea\_localid="10742" ea\_guid="{998D6B0B-678C-48dc-B643-5DCFE9815972}"/>

<properties collection="false" static="0" duplicates="0" changeability="changeable"/>

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<options/>

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<xrefs/>

</attribute>

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<documentation/>

<model ea\_localid="10734" ea\_guid="{982A62BB-0DF0-4124-B90E-B70892ADA987}"/>

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<model ea\_localid="10738" ea\_guid="{BEC51F8B-B3E7-4616-9A6D-2AB72E0709E0}"/>

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<attribute xmi:idref="EAID\_7EB3742A\_31D3\_42c1\_85A1\_306B141674E9" name="soil" scope="Public">

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<model ea\_localid="10730" ea\_guid="{37EBB1FD-3229-430f-9988-1B5035CCF903}"/>

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<style/>

<styleex value="volatile=0;"/>

<tags/>

<xrefs/>

</attribute>

<attribute xmi:idref="EAID\_7A9BA7B9\_06FD\_4112\_BA85\_2F3A037D121B" name="steel" scope="Public">

<initial/>

<documentation/>

<model ea\_localid="10741" ea\_guid="{7A9BA7B9-06FD-4112-BA85-2F3A037D121B}"/>

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<options/>

<style/>

<styleex value="volatile=0;"/>

<tags/>

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</attribute>

<attribute xmi:idref="EAID\_02A5F1DB\_D47E\_4115\_977C\_1CA05BE7CC5A" name="unknown" scope="Public">

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<model ea\_localid="10740" ea\_guid="{0B43440B-6EC4-4cfe-B5E6-E08AD4C0F714}"/>

<properties collection="false" static="0" duplicates="0" changeability="changeable"/>

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<options/>

<style/>

<styleex value="volatile=0;"/>

<tags/>

<xrefs/>

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</attributes>

</element>

<element xmi:idref="EAID\_B57E96E9\_C44C\_4543\_91DF\_B83D51FC3D20" xmi:type="uml:Class" name="TunnelTextureUsageValue" scope="public">

<model package="EAPK\_070A5649\_8282\_4ad3\_A1DE\_A9A41FCB55B8" tpos="0" ea\_localid="8352" ea\_eleType="element"/>

<properties isSpecification="false" sType="Class" nType="0" scope="public" stereotype="CodeList" isRoot="false" isLeaf="false" isAbstract="false" isActive="false"/>

<project author="User" version="1.0" phase="1.0" created="2021-09-26 04:31:18" modified="2021-09-26 04:31:45" complexity="1" status="Proposed"/>

<code product\_name="Java" gentype="Java"/>

<style appearance="BackColor=-1;BorderColor=-1;BorderWidth=-1;FontColor=-1;VSwimLanes=1;HSwimLanes=1;BorderStyle=0;"/>

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<tag xmi:id="EAID\_0BE3FA2A\_79E2\_1979\_8C0A\_8BB2988CB192" name="asDictionary" value="true#NOTES#Values: True,False&#xA;Default: true&#xA;Description: Encode code list as externally managed dictionary.&#xA;" modelElement="EAID\_B57E96E9\_C44C\_4543\_91DF\_B83D51FC3D20"/>

<tag xmi:id="EAID\_BCD3CBEE\_C886\_55c8\_9894\_E5598526F781" name="xsdEncodingRule" value="#NOTES#Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;" modelElement="EAID\_B57E96E9\_C44C\_4543\_91DF\_B83D51FC3D20"/>

</tags>

<xrefs value="$XREFPROP=$XID={81AAF0A1-80F4-4d3b-BE59-DCABABB279A8}$XID;$NAM=Stereotypes$NAM;$TYP=element property$TYP;$VIS=Public$VIS;$PAR=0$PAR;$DES=@STEREO;Name=CodeList;FQName=CityGML::CodeList;@ENDSTEREO;$DES;$CLT={B57E96E9-C44C-4543-91DF-B83D51FC3D20}$CLT;$SUP=&lt;none&gt;$SUP;$ENDXREF;"/>

<extendedProperties tagged="0" package\_name="Tunnel"/>

</element>

<element xmi:idref="EAID\_0924F1DA\_B287\_429d\_8714\_0F35553A1797" xmi:type="uml:Class" name="TunnelUsageValue" scope="public">

<model package="EAPK\_070A5649\_8282\_4ad3\_A1DE\_A9A41FCB55B8" tpos="0" ea\_localid="8042" ea\_eleType="element"/>

<properties documentation="TunnelUsageValue is a code list that enumerates the different uses of a Tunnel." isSpecification="false" sType="Class" nType="0" scope="public" stereotype="CodeList" isRoot="false" isLeaf="false" isAbstract="false" isActive="false"/>

<project author="Tatjana" version="1.0" phase="1.0" created="2019-09-30 11:21:11" modified="2019-12-17 14:35:44" complexity="1" status="Proposed"/>

<code product\_name="Java" gentype="Java"/>

<style appearance="BackColor=-1;BorderColor=-1;BorderWidth=-1;FontColor=-1;VSwimLanes=1;HSwimLanes=1;BorderStyle=0;"/>

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<tag xmi:id="EAID\_BCD3CBEE\_C886\_55c8\_A432\_E65638509C9E" name="xsdEncodingRule" value="#NOTES#Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;" modelElement="EAID\_0924F1DA\_B287\_429d\_8714\_0F35553A1797"/>

</tags>

<xrefs value="$XREFPROP=$XID={EA10E54E-2C68-4e4e-8DE1-722F347E856D}$XID;$NAM=Stereotypes$NAM;$TYP=element property$TYP;$VIS=Public$VIS;$PAR=0$PAR;$DES=@STEREO;Name=CodeList;FQName=CityGML::CodeList;@ENDSTEREO;$DES;$CLT={0924F1DA-B287-429d-8714-0F35553A1797}$CLT;$SUP=&lt;none&gt;$SUP;$ENDXREF;"/>

<extendedProperties tagged="0" package\_name="Tunnel" ea\_attsclassified="{64840A8D-3A54-4419-9F09-995952408F26}"/>

</element>

<element xmi:idref="EAID\_0682A553\_87C8\_4a79\_A8D5\_9DB663911962" xmi:type="uml:DataType" name="ADEOfAbstractTunnel" scope="public">

<model package="EAPK\_070A5649\_8282\_4ad3\_A1DE\_A9A41FCB55B8" tpos="0" ea\_localid="8263" ea\_eleType="element"/>

<properties documentation="ADEOfAbstractTunnel acts as a hook to define properties within an ADE that are to be added to AbstractTunnel." isSpecification="false" sType="DataType" nType="0" scope="public" stereotype="DataType" isRoot="false" isLeaf="false" isAbstract="true"/>

<project author="Tatjana" version="1.0" phase="1.0" created="2020-05-26 15:09:57" modified="2020-05-29 14:01:48" complexity="1" status="Proposed"/>

<code gentype="Java"/>

<style appearance="BackColor=11796479;BorderColor=-1;BorderWidth=1;FontColor=-1;VSwimLanes=1;HSwimLanes=1;BorderStyle=0;"/>

<tags>

<tag xmi:id="EAID\_F9638764\_0401\_4b04\_8F9C\_32A4D8F10167" name="noPropertyType" value="false#NOTES#Values: True,False&#xA;Default: false&#xA;Description: Suppress creation of a standard property type that supports inline encoding.&#xA;" modelElement="EAID\_0682A553\_87C8\_4a79\_A8D5\_9DB663911962"/>

<tag xmi:id="EAID\_BCD3CBEE\_E42B\_51e4\_9CE1\_AA8DF2BA6F25" name="xsdEncodingRule" value="#NOTES#Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;" modelElement="EAID\_0682A553\_87C8\_4a79\_A8D5\_9DB663911962"/>

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<extendedProperties tagged="0" package\_name="Tunnel" ea\_attsclassified="{2E3C514E-ADB5-4f4d-B0C1-C954CBB05FF5}"/>

</element>

<element xmi:idref="EAID\_16787D24\_5A39\_4d88\_8D71\_17FAD32D0B83" xmi:type="uml:DataType" name="ADEOfHollowSpace" scope="public">

<model package="EAPK\_070A5649\_8282\_4ad3\_A1DE\_A9A41FCB55B8" tpos="0" ea\_localid="8267" ea\_eleType="element"/>

<properties documentation="ADEOfHollowSpace acts as a hook to define properties within an ADE that are to be added to a HollowSpace." isSpecification="false" sType="DataType" nType="0" scope="public" stereotype="DataType" isRoot="false" isLeaf="false" isAbstract="true"/>

<project author="Tatjana" version="1.0" phase="1.0" created="2020-05-26 15:12:20" modified="2020-05-29 14:02:26" complexity="1" status="Proposed"/>

<code gentype="Java"/>

<style appearance="BackColor=11796479;BorderColor=-1;BorderWidth=1;FontColor=-1;VSwimLanes=1;HSwimLanes=1;BorderStyle=0;"/>

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<tag xmi:id="EAID\_BCD3CBEE\_E42B\_51e4\_8D98\_1A4E4E1CC699" name="xsdEncodingRule" value="#NOTES#Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;" modelElement="EAID\_16787D24\_5A39\_4d88\_8D71\_17FAD32D0B83"/>

</tags>

<xrefs value="$XREFPROP=$XID={43E0C83D-374B-4d40-B4EE-F8E166847ACA}$XID;$NAM=Stereotypes$NAM;$TYP=element property$TYP;$VIS=Public$VIS;$PAR=0$PAR;$DES=@STEREO;Name=DataType;FQName=CityGML::DataType;@ENDSTEREO;$DES;$CLT={16787D24-5A39-4d88-8D71-17FAD32D0B83}$CLT;$SUP=&lt;none&gt;$SUP;$ENDXREF;"/>

<extendedProperties tagged="0" package\_name="Tunnel" ea\_attsclassified="{B290E2BE-440B-4994-A50B-6FA766A1619B}"/>

<links>

<Generalization xmi:id="EAID\_36079CB5\_1711\_4891\_908C\_09E7CAE80A5A" start="EAID\_CA1B7511\_F144\_4794\_BAF3\_9101009909EC" end="EAID\_16787D24\_5A39\_4d88\_8D71\_17FAD32D0B83"/>

<Generalization xmi:id="EAID\_380D75EA\_2505\_45cd\_B075\_FAFC363AB54C" start="EAID\_A5431DC1\_D5D8\_46f1\_96E9\_D57E58C4F90A" end="EAID\_16787D24\_5A39\_4d88\_8D71\_17FAD32D0B83"/>

<Generalization xmi:id="EAID\_C7EF3275\_0307\_4e02\_9499\_D8A2524A7B5B" start="EAID\_2ECCF25C\_7C12\_4b38\_9EA5\_6752D8A2C115" end="EAID\_16787D24\_5A39\_4d88\_8D71\_17FAD32D0B83"/>

<Generalization xmi:id="EAID\_F6B4C4CD\_9B22\_448c\_8009\_2E3F6B9B1198" start="EAID\_F55BD1D4\_4858\_47df\_9FC1\_C59476C7AC5E" end="EAID\_16787D24\_5A39\_4d88\_8D71\_17FAD32D0B83"/>

</links>

</element>

<element xmi:idref="EAID\_3F6F6637\_46BA\_4a63\_B055\_FB4CA850D34B" xmi:type="uml:DataType" name="ADEOfTunnel" scope="public">

<model package="EAPK\_070A5649\_8282\_4ad3\_A1DE\_A9A41FCB55B8" tpos="0" ea\_localid="8264" ea\_eleType="element"/>

<properties documentation="ADEOfTunnel acts as a hook to define properties within an ADE that are to be added to a Tunnel." isSpecification="false" sType="DataType" nType="0" scope="public" stereotype="DataType" isRoot="false" isLeaf="false" isAbstract="true"/>

<project author="Tatjana" version="1.0" phase="1.0" created="2020-05-26 15:11:27" modified="2020-05-29 14:02:41" complexity="1" status="Proposed"/>

<code gentype="Java"/>

<style appearance="BackColor=11796479;BorderColor=-1;BorderWidth=1;FontColor=-1;VSwimLanes=1;HSwimLanes=1;BorderStyle=0;"/>

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<tag xmi:id="EAID\_F9638764\_0401\_4b04\_982D\_A27A3FAD317C" name="noPropertyType" value="false#NOTES#Values: True,False&#xA;Default: false&#xA;Description: Suppress creation of a standard property type that supports inline encoding.&#xA;" modelElement="EAID\_3F6F6637\_46BA\_4a63\_B055\_FB4CA850D34B"/>

<tag xmi:id="EAID\_BCD3CBEE\_E42B\_51e4\_AB29\_A9A81574A3F5" name="xsdEncodingRule" value="#NOTES#Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;" modelElement="EAID\_3F6F6637\_46BA\_4a63\_B055\_FB4CA850D34B"/>

</tags>

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<extendedProperties tagged="0" package\_name="Tunnel" ea\_attsclassified="{6628BA12-B969-4cc7-B61E-449A29C9FB46}"/>

</element>

<element xmi:idref="EAID\_0C114268\_3EEF\_432d\_ACA8\_6952E09F76A2" xmi:type="uml:DataType" name="ADEOfTunnelConstructiveElement" scope="public">

<model package="EAPK\_070A5649\_8282\_4ad3\_A1DE\_A9A41FCB55B8" tpos="0" ea\_localid="8266" ea\_eleType="element"/>

<properties documentation="ADEOfTunnelConstructiveElement acts as a hook to define properties within an ADE that are to be added to a TunnelConstructiveElement." isSpecification="false" sType="DataType" nType="0" scope="public" stereotype="DataType" isRoot="false" isLeaf="false" isAbstract="true"/>

<project author="Tatjana" version="1.0" phase="1.0" created="2020-05-26 15:11:57" modified="2020-05-29 14:03:27" complexity="1" status="Proposed"/>

<code gentype="Java"/>

<style appearance="BackColor=11796479;BorderColor=-1;BorderWidth=1;FontColor=-1;VSwimLanes=1;HSwimLanes=1;BorderStyle=0;"/>

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<tag xmi:id="EAID\_BCD3CBEE\_E42B\_51e4\_BA76\_5B267C118C8D" name="xsdEncodingRule" value="#NOTES#Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;" modelElement="EAID\_0C114268\_3EEF\_432d\_ACA8\_6952E09F76A2"/>

</tags>

<xrefs value="$XREFPROP=$XID={BB48E9B1-1F75-4620-B604-547BB305812D}$XID;$NAM=Stereotypes$NAM;$TYP=element property$TYP;$VIS=Public$VIS;$PAR=0$PAR;$DES=@STEREO;Name=DataType;FQName=CityGML::DataType;@ENDSTEREO;$DES;$CLT={0C114268-3EEF-432d-ACA8-6952E09F76A2}$CLT;$SUP=&lt;none&gt;$SUP;$ENDXREF;"/>

<extendedProperties tagged="0" package\_name="Tunnel" ea\_attsclassified="{CEC88C72-7C91-4213-8EF3-951F1DDBB021}"/>

<links>

<Generalization xmi:id="EAID\_7FDBA9AC\_792F\_4db6\_A601\_E310975BD64D" start="EAID\_010EDCDA\_681B\_4d09\_87C1\_51E46F9A4183" end="EAID\_0C114268\_3EEF\_432d\_ACA8\_6952E09F76A2"/>

</links>

</element>

<element xmi:idref="EAID\_32D42A37\_9927\_40ba\_9574\_098C2D75EC8A" xmi:type="uml:DataType" name="ADEOfTunnelFurniture" scope="public">

<model package="EAPK\_070A5649\_8282\_4ad3\_A1DE\_A9A41FCB55B8" tpos="0" ea\_localid="8269" ea\_eleType="element"/>

<properties documentation="ADEOfTunnelFurniture acts as a hook to define properties within an ADE that are to be added to a TunnelFurniture." isSpecification="false" sType="DataType" nType="0" scope="public" stereotype="DataType" isRoot="false" isLeaf="false" isAbstract="true"/>

<project author="Tatjana" version="1.0" phase="1.0" created="2020-05-26 15:12:44" modified="2020-05-29 14:03:13" complexity="1" status="Proposed"/>

<code gentype="Java"/>

<style appearance="BackColor=11796479;BorderColor=-1;BorderWidth=1;FontColor=-1;VSwimLanes=1;HSwimLanes=1;BorderStyle=0;"/>

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<tag xmi:id="EAID\_BCD3CBEE\_E42B\_51e4\_95E7\_22763934393A" name="xsdEncodingRule" value="#NOTES#Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;" modelElement="EAID\_32D42A37\_9927\_40ba\_9574\_098C2D75EC8A"/>

</tags>

<xrefs value="$XREFPROP=$XID={23EC7AD3-C84E-4041-8A94-96D52634B037}$XID;$NAM=Stereotypes$NAM;$TYP=element property$TYP;$VIS=Public$VIS;$PAR=0$PAR;$DES=@STEREO;Name=DataType;FQName=CityGML::DataType;@ENDSTEREO;$DES;$CLT={32D42A37-9927-40ba-9574-098C2D75EC8A}$CLT;$SUP=&lt;none&gt;$SUP;$ENDXREF;"/>

<extendedProperties tagged="0" package\_name="Tunnel" ea\_attsclassified="{9C0C5058-5E3D-4940-96AC-8535A4138282}"/>

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<element xmi:idref="EAID\_90F3D187\_2E95\_4f72\_A632\_0766559CFDD4" xmi:type="uml:DataType" name="ADEOfTunnelInstallation" scope="public">

<model package="EAPK\_070A5649\_8282\_4ad3\_A1DE\_A9A41FCB55B8" tpos="0" ea\_localid="8268" ea\_eleType="element"/>

<properties documentation="ADEOfTunnelInstallation acts as a hook to define properties within an ADE that are to be added to a TunnelInstallation." isSpecification="false" sType="DataType" nType="0" scope="public" stereotype="DataType" isRoot="false" isLeaf="false" isAbstract="true"/>

<project author="Tatjana" version="1.0" phase="1.0" created="2020-05-26 15:12:31" modified="2020-05-29 14:02:54" complexity="1" status="Proposed"/>

<code gentype="Java"/>

<style appearance="BackColor=11796479;BorderColor=-1;BorderWidth=1;FontColor=-1;VSwimLanes=1;HSwimLanes=1;BorderStyle=0;"/>

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<tag xmi:id="EAID\_BCD3CBEE\_E42B\_51e4\_9193\_5D7B493BAB34" name="xsdEncodingRule" value="#NOTES#Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;" modelElement="EAID\_90F3D187\_2E95\_4f72\_A632\_0766559CFDD4"/>

</tags>

<xrefs value="$XREFPROP=$XID={BFD62CA8-7B87-4c49-AC7B-4CDDD7B54081}$XID;$NAM=Stereotypes$NAM;$TYP=element property$TYP;$VIS=Public$VIS;$PAR=0$PAR;$DES=@STEREO;Name=DataType;FQName=CityGML::DataType;@ENDSTEREO;$DES;$CLT={90F3D187-2E95-4f72-A632-0766559CFDD4}$CLT;$SUP=&lt;none&gt;$SUP;$ENDXREF;"/>

<extendedProperties tagged="0" package\_name="Tunnel" ea\_attsclassified="{BC5EE621-B2ED-4270-8C49-CBB96EED2B86}"/>

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<element xmi:idref="EAID\_B22CE0C9\_B2B3\_49cc\_BC88\_29E930270DAA" xmi:type="uml:DataType" name="ADEOfTunnelPart" scope="public">

<model package="EAPK\_070A5649\_8282\_4ad3\_A1DE\_A9A41FCB55B8" tpos="0" ea\_localid="8265" ea\_eleType="element"/>

<properties documentation="ADEOfTunnelPart acts as a hook to define properties within an ADE that are to be added to a TunnelPart." isSpecification="false" sType="DataType" nType="0" scope="public" stereotype="DataType" isRoot="false" isLeaf="false" isAbstract="true"/>

<project author="Tatjana" version="1.0" phase="1.0" created="2020-05-26 15:11:37" modified="2020-05-29 14:03:04" complexity="1" status="Proposed"/>

<code gentype="Java"/>

<style appearance="BackColor=11796479;BorderColor=-1;BorderWidth=1;FontColor=-1;VSwimLanes=1;HSwimLanes=1;BorderStyle=0;"/>

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<tag xmi:id="EAID\_BCD3CBEE\_E42B\_51e4\_ACEB\_265BCA0A56BA" name="xsdEncodingRule" value="#NOTES#Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;" modelElement="EAID\_B22CE0C9\_B2B3\_49cc\_BC88\_29E930270DAA"/>

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<extendedProperties tagged="0" package\_name="Tunnel" ea\_attsclassified="{5D2BA1DC-F642-434f-8828-5A584BAA42CB}"/>

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<element xmi:idref="EAID\_A64E8CFA\_356C\_40ba\_A0B1\_EFBF221517F2" xmi:type="uml:DataType" name="DataType1" scope="public">

<model package="EAPK\_070A5649\_8282\_4ad3\_A1DE\_A9A41FCB55B8" tpos="0" ea\_localid="8350" ea\_eleType="element"/>

<properties isSpecification="false" sType="DataType" nType="0" scope="public" isRoot="false" isLeaf="false" isAbstract="false"/>

<project author="User" version="1.0" phase="1.0" created="2021-09-26 02:48:17" modified="2021-09-26 02:48:17" complexity="1" status="Proposed"/>

<code gentype="Java"/>

<style appearance="BackColor=-1;BorderColor=-1;BorderWidth=-1;FontColor=-1;VSwimLanes=1;HSwimLanes=1;BorderStyle=0;"/>

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<xrefs/>

<extendedProperties tagged="0" package\_name="Tunnel"/>

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<element xmi:idref="EAID\_4EDD86EB\_661C\_4688\_A453\_21DF7C64E25D" xmi:type="uml:DataType" name="DataType2" scope="public">

<model package="EAPK\_070A5649\_8282\_4ad3\_A1DE\_A9A41FCB55B8" tpos="0" ea\_localid="8357" ea\_eleType="element"/>

<properties isSpecification="false" sType="DataType" nType="0" scope="public" isRoot="false" isLeaf="false" isAbstract="false"/>

<project author="User" version="1.0" phase="1.0" created="2021-09-26 04:45:36" modified="2021-09-26 04:45:36" complexity="1" status="Proposed"/>

<code gentype="Java"/>

<style appearance="BackColor=-1;BorderColor=-1;BorderWidth=-1;FontColor=-1;VSwimLanes=1;HSwimLanes=1;BorderStyle=0;"/>

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<extendedProperties tagged="0" package\_name="Tunnel"/>

</element>

<element xmi:idref="EAID\_2ECCF25C\_7C12\_4b38\_9EA5\_6752D8A2C115" xmi:type="uml:DataType" name="Drainage&#xA;" scope="public">

<model package="EAPK\_070A5649\_8282\_4ad3\_A1DE\_A9A41FCB55B8" tpos="0" ea\_localid="8347" ea\_eleType="element"/>

<properties isSpecification="false" sType="DataType" nType="0" scope="public" isRoot="false" isLeaf="false" isAbstract="false"/>

<project author="User" version="1.0" phase="1.0" created="2021-09-26 00:38:03" modified="2021-09-26 02:17:22" complexity="1" status="Proposed"/>

<code gentype="Java"/>

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<tags/>

<xrefs/>

<extendedProperties tagged="0" package\_name="Tunnel"/>

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<attribute xmi:idref="EAID\_6B84C6C5\_3624\_41bc\_B6A4\_FBAA1B65A261" name="area" scope="Public">

<initial/>

<documentation/>

<model ea\_localid="10682" ea\_guid="{6B84C6C5-3624-41bc-B6A4-FBAA1B65A261}"/>

<properties type="Double" collection="false" static="0" duplicates="0" changeability="changeable"/>

<coords ordered="0"/>

<containment containment="Not Specified" position="1"/>

<stereotype stereotype="Property"/>

<bounds lower="1" upper="1"/>

<options/>

<style/>

<styleex value="volatile=0;"/>

<tags>

<tag xmi:id="EAID\_E810E922\_58E8\_b658\_8A72\_EFA858966B64" name="sequenceNumber" notes="Description: Unique integer value for properties of the type used to sort properties.&#xA;"/>

<tag xmi:id="EAID\_37DFCA0A\_B550\_b0b5\_89A5\_BF659EBB57E2" name="inlineOrByReference" value="inlineOrByReference" notes="Values: inline,byReference,inlineOrByReference&#xA;Default: inlineOrByReference&#xA;Description: Controls whether property values may be encoded inline or by reference.&#xA;"/>

<tag xmi:id="EAID\_08A8199D\_FE63\_35fe\_AED0\_B5A6F5B038EE" name="isMetadata" value="false" notes="Values: True,False&#xA;Default: false&#xA;Description: Indicates whether the property is considered metadata about the instance - and not information about the phenomenon in the real world.&#xA;"/>

<tag xmi:id="EAID\_BCD3CBEE\_9454\_f194\_993F\_5F261A38D317" name="xsdEncodingRule" notes="Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;"/>

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<tags>

<tag xmi:id="EAID\_E810E922\_58E8\_b658\_81BF\_236443A25755" name="sequenceNumber" notes="Description: Unique integer value for properties of the type used to sort properties.&#xA;"/>

<tag xmi:id="EAID\_37DFCA0A\_B550\_b0b5\_A8A1\_BDC31FFD69A3" name="inlineOrByReference" value="inlineOrByReference" notes="Values: inline,byReference,inlineOrByReference&#xA;Default: inlineOrByReference&#xA;Description: Controls whether property values may be encoded inline or by reference.&#xA;"/>

<tag xmi:id="EAID\_08A8199D\_FE63\_35fe\_B66C\_26A14DFF42F8" name="isMetadata" value="false" notes="Values: True,False&#xA;Default: false&#xA;Description: Indicates whether the property is considered metadata about the instance - and not information about the phenomenon in the real world.&#xA;"/>

<tag xmi:id="EAID\_BCD3CBEE\_9454\_f194\_B9AA\_B25E859CB0FE" name="xsdEncodingRule" notes="Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;"/>

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</attribute>

<attribute xmi:idref="EAID\_BA14ED07\_2072\_4f01\_A0B0\_FDFF6E03027F" name="length" scope="Public">

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<documentation/>

<model ea\_localid="10746" ea\_guid="{BA14ED07-2072-4f01-A0B0-FDFF6E03027F}"/>

<properties type="Double" collection="false" static="0" duplicates="0" changeability="changeable"/>

<coords ordered="0"/>

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<bounds lower="1" upper="1"/>

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<tags>

<tag xmi:id="EAID\_E810E922\_58E8\_b658\_B582\_A2C1FA897291" name="sequenceNumber" notes="Description: Unique integer value for properties of the type used to sort properties.&#xA;"/>

<tag xmi:id="EAID\_37DFCA0A\_B550\_b0b5\_AB11\_A8303739398A" name="inlineOrByReference" value="inlineOrByReference" notes="Values: inline,byReference,inlineOrByReference&#xA;Default: inlineOrByReference&#xA;Description: Controls whether property values may be encoded inline or by reference.&#xA;"/>

<tag xmi:id="EAID\_08A8199D\_FE63\_35fe\_9B5A\_14A0F690F32A" name="isMetadata" value="false" notes="Values: True,False&#xA;Default: false&#xA;Description: Indicates whether the property is considered metadata about the instance - and not information about the phenomenon in the real world.&#xA;"/>

<tag xmi:id="EAID\_BCD3CBEE\_9454\_f194\_AF3D\_585FC491F578" name="xsdEncodingRule" notes="Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;"/>

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</attribute>

<attribute xmi:idref="EAID\_6E49E104\_2DC8\_4f61\_8FEB\_3B69530057F4" name="name" scope="Public">

<initial/>

<documentation/>

<model ea\_localid="10683" ea\_guid="{6E49E104-2DC8-4f61-8FEB-3B69530057F4}"/>

<properties type="CharacterString" collection="false" static="0" duplicates="0" changeability="changeable"/>

<coords ordered="0"/>

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<tags>

<tag xmi:id="EAID\_E810E922\_58E8\_b658\_9672\_8226867D027E" name="sequenceNumber" notes="Description: Unique integer value for properties of the type used to sort properties.&#xA;"/>

<tag xmi:id="EAID\_37DFCA0A\_B550\_b0b5\_A6BE\_60DEF06057C1" name="inlineOrByReference" value="inlineOrByReference" notes="Values: inline,byReference,inlineOrByReference&#xA;Default: inlineOrByReference&#xA;Description: Controls whether property values may be encoded inline or by reference.&#xA;"/>

<tag xmi:id="EAID\_08A8199D\_FE63\_35fe\_962C\_24884FC807E8" name="isMetadata" value="false" notes="Values: True,False&#xA;Default: false&#xA;Description: Indicates whether the property is considered metadata about the instance - and not information about the phenomenon in the real world.&#xA;"/>

<tag xmi:id="EAID\_BCD3CBEE\_9454\_f194\_A2AF\_D2D6279A8478" name="xsdEncodingRule" notes="Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;"/>

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</attribute>

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<initial/>

<documentation/>

<model ea\_localid="10684" ea\_guid="{68D0F18D-79E6-4b48-8BA6-FFC50A1FCB49}"/>

<properties type="TunnelTextureTypeValue" collection="false" static="0" duplicates="0" changeability="changeable"/>

<coords ordered="0"/>

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<options/>

<style/>

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<tag xmi:id="EAID\_E810E922\_58E8\_b658\_BDF4\_872BBDAB7F0E" name="sequenceNumber" notes="Description: Unique integer value for properties of the type used to sort properties.&#xA;"/>

<tag xmi:id="EAID\_37DFCA0A\_B550\_b0b5\_988E\_E661A9AE1798" name="inlineOrByReference" value="inlineOrByReference" notes="Values: inline,byReference,inlineOrByReference&#xA;Default: inlineOrByReference&#xA;Description: Controls whether property values may be encoded inline or by reference.&#xA;"/>

<tag xmi:id="EAID\_08A8199D\_FE63\_35fe\_8F35\_A8C944779DB2" name="isMetadata" value="false" notes="Values: True,False&#xA;Default: false&#xA;Description: Indicates whether the property is considered metadata about the instance - and not information about the phenomenon in the real world.&#xA;"/>

<tag xmi:id="EAID\_BCD3CBEE\_9454\_f194\_B5B1\_F19FA742A04A" name="xsdEncodingRule" notes="Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;"/>

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<attribute xmi:idref="EAID\_983D75D4\_1983\_41c6\_86EC\_DC89150606FE" name="width" scope="Public">

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<tag xmi:id="EAID\_37DFCA0A\_B550\_b0b5\_BECF\_C53B58D81F34" name="inlineOrByReference" value="inlineOrByReference" notes="Values: inline,byReference,inlineOrByReference&#xA;Default: inlineOrByReference&#xA;Description: Controls whether property values may be encoded inline or by reference.&#xA;"/>

<tag xmi:id="EAID\_08A8199D\_FE63\_35fe\_873C\_F249AF90071E" name="isMetadata" value="false" notes="Values: True,False&#xA;Default: false&#xA;Description: Indicates whether the property is considered metadata about the instance - and not information about the phenomenon in the real world.&#xA;"/>

<tag xmi:id="EAID\_BCD3CBEE\_9454\_f194\_A2CC\_501BACE37F72" name="xsdEncodingRule" notes="Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;"/>

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<Association xmi:id="EAID\_3280B6D8\_B31F\_42df\_9EE9\_963E0DBB2C96" start="EAID\_2ECCF25C\_7C12\_4b38\_9EA5\_6752D8A2C115" end="EAID\_4F1406F0\_73E2\_4d59\_8DC9\_F28C3D58E5C6"/>

<Association xmi:id="EAID\_7F0F1167\_FF0A\_4bdc\_9A63\_6C5E94C56586" start="EAID\_2ECCF25C\_7C12\_4b38\_9EA5\_6752D8A2C115" end="EAID\_642283DE\_4A64\_4b12\_B987\_2F095D1C49FB"/>

<Association xmi:id="EAID\_89B6EB25\_A68F\_4d31\_900A\_CD9004FA708B" start="EAID\_2ECCF25C\_7C12\_4b38\_9EA5\_6752D8A2C115" end="EAID\_642283DE\_4A64\_4b12\_B987\_2F095D1C49FB"/>

<Association xmi:id="EAID\_A4C7D0DA\_253E\_473c\_BDF7\_C0F56FD94CDC" start="EAID\_2ECCF25C\_7C12\_4b38\_9EA5\_6752D8A2C115" end="EAID\_642283DE\_4A64\_4b12\_B987\_2F095D1C49FB"/>

<Generalization xmi:id="EAID\_C7EF3275\_0307\_4e02\_9499\_D8A2524A7B5B" start="EAID\_2ECCF25C\_7C12\_4b38\_9EA5\_6752D8A2C115" end="EAID\_16787D24\_5A39\_4d88\_8D71\_17FAD32D0B83"/>

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<element xmi:idref="EAID\_CA1B7511\_F144\_4794\_BAF3\_9101009909EC" xmi:type="uml:DataType" name="Emergency Parking Lot&#xA;" scope="public">

<model package="EAPK\_070A5649\_8282\_4ad3\_A1DE\_A9A41FCB55B8" tpos="0" ea\_localid="8348" ea\_eleType="element"/>

<properties isSpecification="false" sType="DataType" nType="0" scope="public" isRoot="false" isLeaf="false" isAbstract="false"/>

<project author="User" version="1.0" phase="1.0" created="2021-09-26 00:38:05" modified="2021-09-26 02:20:43" complexity="1" status="Proposed"/>

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<properties type="Double" collection="false" static="0" duplicates="0" changeability="changeable"/>

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<coords ordered="0"/>

<containment containment="Not Specified" position="3"/>

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<Generalization xmi:id="EAID\_36079CB5\_1711\_4891\_908C\_09E7CAE80A5A" start="EAID\_CA1B7511\_F144\_4794\_BAF3\_9101009909EC" end="EAID\_16787D24\_5A39\_4d88\_8D71\_17FAD32D0B83"/>

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<Association xmi:id="EAID\_CB9B9AFE\_F86A\_4144\_8961\_E518AB1434AC" start="EAID\_CA1B7511\_F144\_4794\_BAF3\_9101009909EC" end="EAID\_642283DE\_4A64\_4b12\_B987\_2F095D1C49FB"/>

<Association xmi:id="EAID\_CEE80805\_7A8F\_4ca7\_88A7\_625A06E96F28" start="EAID\_CA1B7511\_F144\_4794\_BAF3\_9101009909EC" end="EAID\_4F1406F0\_73E2\_4d59\_8DC9\_F28C3D58E5C6"/>

<Association xmi:id="EAID\_E57643AF\_607B\_40ae\_8418\_7286271A7901" start="EAID\_CA1B7511\_F144\_4794\_BAF3\_9101009909EC" end="EAID\_642283DE\_4A64\_4b12\_B987\_2F095D1C49FB"/>

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<element xmi:idref="EAID\_010EDCDA\_681B\_4d09\_87C1\_51E46F9A4183" xmi:type="uml:DataType" name="Segment&#xA;" scope="public">

<model package="EAPK\_070A5649\_8282\_4ad3\_A1DE\_A9A41FCB55B8" tpos="0" ea\_localid="8349" ea\_eleType="element"/>

<properties isSpecification="false" sType="DataType" nType="0" scope="public" isRoot="false" isLeaf="false" isAbstract="false"/>

<project author="User" version="1.0" phase="1.0" created="2021-09-26 02:34:35" modified="2021-09-26 02:34:44" complexity="1" status="Proposed"/>

<code gentype="Java"/>

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<Association xmi:id="EAID\_5CBAA16A\_0E1D\_4687\_B866\_943B25269C0B" start="EAID\_010EDCDA\_681B\_4d09\_87C1\_51E46F9A4183" end="EAID\_5E740584\_6743\_42da\_8CD0\_2E342F9A5FDE"/>

<Generalization xmi:id="EAID\_7FDBA9AC\_792F\_4db6\_A601\_E310975BD64D" start="EAID\_010EDCDA\_681B\_4d09\_87C1\_51E46F9A4183" end="EAID\_0C114268\_3EEF\_432d\_ACA8\_6952E09F76A2"/>

<Association xmi:id="EAID\_9773B791\_165F\_4d5d\_A0AD\_46AAEE12EB15" start="EAID\_010EDCDA\_681B\_4d09\_87C1\_51E46F9A4183" end="EAID\_5E740584\_6743\_42da\_8CD0\_2E342F9A5FDE"/>

<Association xmi:id="EAID\_B35A6F13\_857F\_4e63\_B2ED\_5EB1DD8B06D7" start="EAID\_010EDCDA\_681B\_4d09\_87C1\_51E46F9A4183" end="EAID\_5E740584\_6743\_42da\_8CD0\_2E342F9A5FDE"/>

<Association xmi:id="EAID\_D2033E1A\_C390\_420d\_914A\_2D319F31B9EC" start="EAID\_010EDCDA\_681B\_4d09\_87C1\_51E46F9A4183" end="EAID\_2590191B\_9EFA\_4477\_A32B\_DA3DEDAC68BE"/>

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<element xmi:idref="EAID\_A5431DC1\_D5D8\_46f1\_96E9\_D57E58C4F90A" xmi:type="uml:DataType" name="Shelter&#xA;" scope="public">

<model package="EAPK\_070A5649\_8282\_4ad3\_A1DE\_A9A41FCB55B8" tpos="0" ea\_localid="8345" ea\_eleType="element"/>

<properties isSpecification="false" sType="DataType" nType="0" scope="public" isRoot="false" isLeaf="false" isAbstract="false"/>

<project author="User" version="1.0" phase="1.0" created="2021-09-26 00:37:58" modified="2021-09-26 02:07:05" complexity="1" status="Proposed"/>

<code gentype="Java"/>

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<model ea\_localid="10674" ea\_guid="{798DF1FB-E4A9-46de-9106-2F1593AB48A0}"/>

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<model ea\_localid="10673" ea\_guid="{2F92EEDB-EC78-4c94-BDB0-A47D0CBDCADB}"/>

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<coords ordered="0"/>

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<Association xmi:id="EAID\_4F95018A\_156A\_47f1\_86FB\_FA226216F4BA" start="EAID\_A5431DC1\_D5D8\_46f1\_96E9\_D57E58C4F90A" end="EAID\_EAAC4305\_1147\_4752\_801A\_48B1BB977958"/>

<Association xmi:id="EAID\_59865D35\_E314\_42e7\_96B9\_EAEEDBE06084" start="EAID\_A5431DC1\_D5D8\_46f1\_96E9\_D57E58C4F90A" end="EAID\_4F1406F0\_73E2\_4d59\_8DC9\_F28C3D58E5C6"/>

<Association xmi:id="EAID\_AA0263CD\_C02F\_4d3e\_986A\_D7850BD8C267" start="EAID\_A5431DC1\_D5D8\_46f1\_96E9\_D57E58C4F90A" end="EAID\_EAAC4305\_1147\_4752\_801A\_48B1BB977958"/>

<Association xmi:id="EAID\_D0868CD1\_415E\_4bd1\_8516\_F6F7772E58DA" start="EAID\_A5431DC1\_D5D8\_46f1\_96E9\_D57E58C4F90A" end="EAID\_EAAC4305\_1147\_4752\_801A\_48B1BB977958"/>

<Association xmi:id="EAID\_DDED1FB2\_FFC6\_41bf\_9801\_B97D4C94C495" start="EAID\_A5431DC1\_D5D8\_46f1\_96E9\_D57E58C4F90A" end="EAID\_EAAC4305\_1147\_4752\_801A\_48B1BB977958"/>

</links>

</element>

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<model package="EAPK\_070A5649\_8282\_4ad3\_A1DE\_A9A41FCB55B8" tpos="0" ea\_localid="8346" ea\_eleType="element"/>

<properties isSpecification="false" sType="DataType" nType="0" scope="public" isRoot="false" isLeaf="false" isAbstract="false"/>

<project author="User" version="1.0" phase="1.0" created="2021-09-26 00:38:00" modified="2021-09-26 02:10:55" complexity="1" status="Proposed"/>

<code gentype="Java"/>

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<tag xmi:id="EAID\_E810E922\_58E8\_b658\_848B\_81D37290D9F5" name="sequenceNumber" notes="Description: Unique integer value for properties of the type used to sort properties.&#xA;"/>

<tag xmi:id="EAID\_37DFCA0A\_B550\_b0b5\_9ED4\_6AF6F4BA842D" name="inlineOrByReference" value="inlineOrByReference" notes="Values: inline,byReference,inlineOrByReference&#xA;Default: inlineOrByReference&#xA;Description: Controls whether property values may be encoded inline or by reference.&#xA;"/>

<tag xmi:id="EAID\_08A8199D\_FE63\_35fe\_B3E1\_393040DE3B38" name="isMetadata" value="false" notes="Values: True,False&#xA;Default: false&#xA;Description: Indicates whether the property is considered metadata about the instance - and not information about the phenomenon in the real world.&#xA;"/>

<tag xmi:id="EAID\_BCD3CBEE\_9454\_f194\_A633\_F7732FA57A5B" name="xsdEncodingRule" notes="Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;"/>

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<properties type="Integer" collection="false" static="0" duplicates="0" changeability="changeable"/>

<coords ordered="0"/>

<containment containment="Not Specified" position="4"/>

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<tag xmi:id="EAID\_E810E922\_58E8\_b658\_B874\_926D85FADFA9" name="sequenceNumber" notes="Description: Unique integer value for properties of the type used to sort properties.&#xA;"/>

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<tag xmi:id="EAID\_08A8199D\_FE63\_35fe\_A253\_3593EECCE755" name="isMetadata" value="false" notes="Values: True,False&#xA;Default: false&#xA;Description: Indicates whether the property is considered metadata about the instance - and not information about the phenomenon in the real world.&#xA;"/>

<tag xmi:id="EAID\_BCD3CBEE\_9454\_f194\_8B3B\_0E532CA00CD2" name="xsdEncodingRule" notes="Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;"/>

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<properties type="Double" collection="false" static="0" duplicates="0" changeability="changeable"/>

<coords ordered="0"/>

<containment containment="Not Specified" position="0"/>

<stereotype stereotype="Property"/>

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<tag xmi:id="EAID\_E810E922\_58E8\_b658\_AB6B\_F60E985C9937" name="sequenceNumber" notes="Description: Unique integer value for properties of the type used to sort properties.&#xA;"/>

<tag xmi:id="EAID\_37DFCA0A\_B550\_b0b5\_B438\_9D0C7A94F1B7" name="inlineOrByReference" value="inlineOrByReference" notes="Values: inline,byReference,inlineOrByReference&#xA;Default: inlineOrByReference&#xA;Description: Controls whether property values may be encoded inline or by reference.&#xA;"/>

<tag xmi:id="EAID\_08A8199D\_FE63\_35fe\_914A\_B9A7E58D54AA" name="isMetadata" value="false" notes="Values: True,False&#xA;Default: false&#xA;Description: Indicates whether the property is considered metadata about the instance - and not information about the phenomenon in the real world.&#xA;"/>

<tag xmi:id="EAID\_BCD3CBEE\_9454\_f194\_97C6\_8A7B5C0999F9" name="xsdEncodingRule" notes="Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;"/>

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<tag xmi:id="EAID\_37DFCA0A\_B550\_b0b5\_A0F3\_CFA6AFBCED6B" name="inlineOrByReference" value="inlineOrByReference" notes="Values: inline,byReference,inlineOrByReference&#xA;Default: inlineOrByReference&#xA;Description: Controls whether property values may be encoded inline or by reference.&#xA;"/>

<tag xmi:id="EAID\_08A8199D\_FE63\_35fe\_8071\_8C4B53673150" name="isMetadata" value="false" notes="Values: True,False&#xA;Default: false&#xA;Description: Indicates whether the property is considered metadata about the instance - and not information about the phenomenon in the real world.&#xA;"/>

<tag xmi:id="EAID\_BCD3CBEE\_9454\_f194\_B096\_B90C3962FAA5" name="xsdEncodingRule" notes="Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;"/>

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<coords ordered="0"/>

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<tag xmi:id="EAID\_37DFCA0A\_B550\_b0b5\_8EDB\_469F06022C98" name="inlineOrByReference" value="inlineOrByReference" notes="Values: inline,byReference,inlineOrByReference&#xA;Default: inlineOrByReference&#xA;Description: Controls whether property values may be encoded inline or by reference.&#xA;"/>

<tag xmi:id="EAID\_08A8199D\_FE63\_35fe\_8267\_A35830B5CE24" name="isMetadata" value="false" notes="Values: True,False&#xA;Default: false&#xA;Description: Indicates whether the property is considered metadata about the instance - and not information about the phenomenon in the real world.&#xA;"/>

<tag xmi:id="EAID\_BCD3CBEE\_9454\_f194\_841C\_4D808E375F23" name="xsdEncodingRule" notes="Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;"/>

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<attribute xmi:idref="EAID\_9B11AA78\_8A93\_482d\_A750\_F0880DD09239" name="width" scope="Public">

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<properties type="Double" collection="false" static="0" duplicates="0" changeability="changeable"/>

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<tag xmi:id="EAID\_08A8199D\_FE63\_35fe\_8EB9\_C822525C6B6B" name="isMetadata" value="false" notes="Values: True,False&#xA;Default: false&#xA;Description: Indicates whether the property is considered metadata about the instance - and not information about the phenomenon in the real world.&#xA;"/>

<tag xmi:id="EAID\_BCD3CBEE\_9454\_f194\_AD3F\_1E202211EA80" name="xsdEncodingRule" notes="Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;"/>

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<Association xmi:id="EAID\_6DAB7214\_8EA2\_4ef1\_A0FA\_5C3900B81D57" start="EAID\_F55BD1D4\_4858\_47df\_9FC1\_C59476C7AC5E" end="EAID\_4F1406F0\_73E2\_4d59\_8DC9\_F28C3D58E5C6"/>

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<Generalization xmi:id="EAID\_F6B4C4CD\_9B22\_448c\_8009\_2E3F6B9B1198" start="EAID\_F55BD1D4\_4858\_47df\_9FC1\_C59476C7AC5E" end="EAID\_16787D24\_5A39\_4d88\_8D71\_17FAD32D0B83"/>

<Association xmi:id="EAID\_FB9CA0F7\_AE00\_4951\_9082\_8E2EBA19062A" start="EAID\_F55BD1D4\_4858\_47df\_9FC1\_C59476C7AC5E" end="EAID\_642283DE\_4A64\_4b12\_B987\_2F095D1C49FB"/>

</links>

</element>

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<source xmi:idref="EAID\_597E2B4E\_6615\_437e\_B4A8\_329962D28A73">

<model ea\_localid="140" type="Class" name="AbstractTunnel"/>

<role visibility="Public" targetScope="instance"/>

<type multiplicity="\*" aggregation="shared" containment="Unspecified"/>

<constraints/>

<modifiers isOrdered="false" changeable="none" isNavigable="false"/>

<style value="Union=0;Derived=0;AllowDuplicates=0;Owned=0;Navigable=Unspecified;"/>

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<xrefs/>

<tags/>

</source>

<target xmi:idref="EAID\_CADE8C3F\_C7A9\_46e0\_83FA\_B6597FF4FAAF">

<model ea\_localid="7746" type="Class" name="TunnelConstructiveElement"/>

<role name="tunnelConstructiveElement" stereotype="Property" visibility="Public" targetScope="instance"/>

<type multiplicity="\*" aggregation="none" containment="Unspecified"/>

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<style value="Union=0;Derived=0;AllowDuplicates=0;Owned=0;Navigable=Navigable;"/>

<documentation value="Relates the constructive elements to the Tunnel or TunnelPart."/>

<xrefs value="$XREFPROP=$XID={88EA762E-D1D7-467b-9435-6983AE8D2E2A}$XID;$NAM=Stereotypes$NAM;$TYP=connectorDestEnd property$TYP;$VIS=Public$VIS;$PAR=0$PAR;$DES=@STEREO;Name=Property;FQName=CityGML::Property;@ENDSTEREO;$DES;$CLT={283FC128-3876-4960-AE99-01CA0660B47C}$CLT;$SUP=&lt;none&gt;$SUP;$ENDXREF;"/>

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<tag xmi:id="EAID\_08A8199D\_FE63\_35fe\_B758\_573A75273429" name="isMetadata" value="false$ea\_notes=Values: True,False&#xA;Default: false&#xA;Description: Indicates whether the property is considered metadata about the instance - and not information about the phenomenon in the real world.&#xA;"/>

<tag xmi:id="EAID\_37DFCA0A\_B550\_b0b5\_9255\_B40216867F9C" name="inlineOrByReference" value="inline$ea\_notes= Controls whether property values may be encoded inline or by reference.&#xA;"/>

<tag xmi:id="EAID\_BCD3CBEE\_9454\_f194\_A1B8\_29D7629677DB" name="xsdEncodingRule" value="$ea\_notes=Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;"/>

<tag xmi:id="EAID\_E810E922\_58E8\_b658\_BB8E\_1BA7E89D80A5" name="sequenceNumber" value="4$ea\_notes= Unique integer value for properties of the type used to sort properties.&#xA;"/>

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<model ea\_localid="9197"/>

<properties ea\_type="Association" direction="Source -&gt; Destination"/>

<modifiers isRoot="false" isLeaf="false"/>

<parameterSubstitutions/>

<documentation/>

<appearance linemode="3" linecolor="-1" linewidth="0" seqno="0" headStyle="0" lineStyle="0"/>

<labels lb="\*" rb="\*" rt="+tunnelConstructiveElement&#xA;첧roperty?/>

<extendedProperties/>

<style/>

<xrefs/>

<tags/>

</connector>

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<source xmi:idref="EAID\_597E2B4E\_6615\_437e\_B4A8\_329962D28A73">

<model ea\_localid="140" type="Class" name="AbstractTunnel"/>

<role visibility="Public" targetScope="instance"/>

<type aggregation="none" containment="Unspecified"/>

<constraints/>

<modifiers isOrdered="false" changeable="none" isNavigable="false"/>

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<documentation/>

<xrefs/>

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</source>

<target xmi:idref="EAID\_D8E4EAFC\_9DAF\_4cba\_9169\_984738657435">

<model ea\_localid="103" type="Class" name="AbstractConstruction"/>

<role visibility="Public" targetScope="instance"/>

<type aggregation="none" containment="Unspecified"/>

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<modifiers isOrdered="false" changeable="none" isNavigable="true"/>

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</target>

<model ea\_localid="7610"/>

<properties ea\_type="Generalization" direction="Source -&gt; Destination"/>

<parameterSubstitutions/>

<documentation/>

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</connector>

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<source xmi:idref="EAID\_597E2B4E\_6615\_437e\_B4A8\_329962D28A73">

<model ea\_localid="140" type="Class" name="AbstractTunnel"/>

<role visibility="Public" targetScope="instance"/>

<type multiplicity="\*" aggregation="shared" containment="Unspecified"/>

<constraints/>

<modifiers isOrdered="false" changeable="none" isNavigable="false"/>

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<xrefs/>

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</source>

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<model ea\_localid="147" type="Class" name="TunnelFurniture"/>

<role name="tunnelFurniture" stereotype="Property" visibility="Public" targetScope="instance"/>

<type multiplicity="\*" aggregation="none" containment="Unspecified"/>

<constraints/>

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<style value="Union=0;Derived=0;AllowDuplicates=0;Owned=0;Navigable=Navigable;"/>

<documentation value="Relates the furniture objects to the Tunnel or TunnelPart."/>

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<tag xmi:id="EAID\_37DFCA0A\_B550\_b0b5\_8496\_F210E8943509" name="inlineOrByReference" value="inline$ea\_notes= Controls whether property values may be encoded inline or by reference.&#xA;"/>

<tag xmi:id="EAID\_BCD3CBEE\_9454\_f194\_A0C8\_FC97B8580878" name="xsdEncodingRule" value="$ea\_notes=Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;"/>

<tag xmi:id="EAID\_E810E922\_58E8\_b658\_B6DE\_3C94052F6228" name="sequenceNumber" value="7$ea\_notes= Unique integer value for properties of the type used to sort properties.&#xA;"/>

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<model ea\_localid="9195"/>

<properties ea\_type="Association" direction="Source -&gt; Destination"/>

<modifiers isRoot="false" isLeaf="false"/>

<parameterSubstitutions/>

<documentation/>

<appearance linemode="3" linecolor="-1" linewidth="0" seqno="0" headStyle="0" lineStyle="0"/>

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<model ea\_localid="140" type="Class" name="AbstractTunnel"/>

<role visibility="Public" targetScope="instance"/>

<type multiplicity="\*" aggregation="shared" containment="Unspecified"/>

<constraints/>

<modifiers isOrdered="false" changeable="none" isNavigable="false"/>

<style value="Union=0;Derived=0;AllowDuplicates=0;Owned=0;Navigable=Unspecified;"/>

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<xrefs/>

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</source>

<target xmi:idref="EAID\_4BD38C53\_DB8F\_4be8\_8CAF\_4BD76D13A667">

<model ea\_localid="139" type="Class" name="TunnelInstallation"/>

<role name="tunnelInstallation" stereotype="Property" visibility="Public" targetScope="instance"/>

<type multiplicity="\*" aggregation="none" containment="Unspecified"/>

<constraints/>

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<documentation value="Relates the installation objects to the Tunnel or TunnelPart."/>

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<tag xmi:id="EAID\_37DFCA0A\_B550\_b0b5\_93B9\_01338AB90C19" name="inlineOrByReference" value="inline$ea\_notes= Controls whether property values may be encoded inline or by reference.&#xA;"/>

<tag xmi:id="EAID\_BCD3CBEE\_9454\_f194\_8DD4\_80BBB7D013A7" name="xsdEncodingRule" value="$ea\_notes=Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;"/>

<tag xmi:id="EAID\_E810E922\_58E8\_b658\_AD5D\_C795321FB089" name="sequenceNumber" value="5$ea\_notes= Unique integer value for properties of the type used to sort properties.&#xA;"/>

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<properties ea\_type="Association" direction="Source -&gt; Destination"/>

<modifiers isRoot="false" isLeaf="false"/>

<parameterSubstitutions/>

<documentation/>

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<labels lb="\*" rb="\*" rt="+tunnelInstallation&#xA;첧roperty?/>

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<model ea\_localid="140" type="Class" name="AbstractTunnel"/>

<role visibility="Public" targetScope="instance"/>

<type multiplicity="\*" aggregation="shared" containment="Unspecified"/>

<constraints/>

<modifiers isOrdered="false" changeable="none" isNavigable="false"/>

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</source>

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<role name="hollowSpace" stereotype="Property" visibility="Public" targetScope="instance"/>

<type multiplicity="\*" aggregation="none" containment="Unspecified"/>

<constraints/>

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<documentation value="Relates the hollow spaces to the Tunnel or TunnelPart."/>

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<tag xmi:id="EAID\_37DFCA0A\_B550\_b0b5\_ACAB\_15B6CA829DD9" name="inlineOrByReference" value="inline$ea\_notes= Controls whether property values may be encoded inline or by reference.&#xA;"/>

<tag xmi:id="EAID\_BCD3CBEE\_9454\_f194\_9D87\_203DCD4D260B" name="xsdEncodingRule" value="$ea\_notes=Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;"/>

<tag xmi:id="EAID\_E810E922\_58E8\_b658\_ADF9\_FC8677D77B49" name="sequenceNumber" value="6$ea\_notes= Unique integer value for properties of the type used to sort properties.&#xA;"/>

</tags>

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<model ea\_localid="9293"/>

<properties ea\_type="Association" direction="Source -&gt; Destination"/>

<modifiers isRoot="false" isLeaf="false"/>

<parameterSubstitutions/>

<documentation/>

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<labels lb="\*" rb="\*" rt="+hollowSpace&#xA;첧roperty?/>

<extendedProperties/>

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<source xmi:idref="EAID\_C578A63A\_9CC6\_4eec\_B087\_7FBE4E3CE003">

<model ea\_localid="149" type="Class" name="TunnelPart"/>

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<type aggregation="none" containment="Unspecified"/>

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<documentation/>

<xrefs/>

<tags/>

</source>

<target xmi:idref="EAID\_597E2B4E\_6615\_437e\_B4A8\_329962D28A73">

<model ea\_localid="140" type="Class" name="AbstractTunnel"/>

<role visibility="Public" targetScope="instance"/>

<type aggregation="none" containment="Unspecified"/>

<constraints/>

<modifiers isOrdered="false" changeable="none" isNavigable="true"/>

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<tags/>

</target>

<model ea\_localid="9353"/>

<properties ea\_type="Generalization" direction="Source -&gt; Destination"/>

<parameterSubstitutions/>

<documentation/>

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<style/>

<xrefs/>

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</connector>

<connector xmi:idref="EAID\_62B788D8\_6A45\_4d38\_A4AB\_FC55FCB5E2B8">

<source xmi:idref="EAID\_385B097B\_BB31\_47a6\_892E\_BC5FA36EB095">

<model ea\_localid="137" type="Class" name="Tunnel"/>

<role visibility="Public" targetScope="instance"/>

<type aggregation="none" containment="Unspecified"/>

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<model ea\_localid="140" type="Class" name="AbstractTunnel"/>

<role visibility="Public" targetScope="instance"/>

<type aggregation="none" containment="Unspecified"/>

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<modifiers isOrdered="false" changeable="none" isNavigable="true"/>

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<documentation/>

<xrefs/>

<tags/>

</target>

<model ea\_localid="9352"/>

<properties ea\_type="Generalization" direction="Source -&gt; Destination"/>

<parameterSubstitutions/>

<documentation/>

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<style/>

<xrefs/>

<tags/>

</connector>

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<source xmi:idref="EAID\_342B50BA\_81EC\_4980\_91AD\_756077EC2977">

<model ea\_localid="135" type="Class" name="HollowSpace"/>

<role visibility="Public" targetScope="instance"/>

<type multiplicity="\*" aggregation="shared" containment="Unspecified"/>

<constraints/>

<modifiers isOrdered="false" changeable="none" isNavigable="false"/>

<style value="Union=0;Derived=0;AllowDuplicates=0;Owned=0;Navigable=Unspecified;"/>

<documentation/>

<xrefs/>

<tags/>

</source>

<target xmi:idref="EAID\_4BD38C53\_DB8F\_4be8\_8CAF\_4BD76D13A667">

<model ea\_localid="139" type="Class" name="TunnelInstallation"/>

<role name="tunnelInstallation" stereotype="Property" visibility="Public" targetScope="instance"/>

<type multiplicity="\*" aggregation="none" containment="Unspecified"/>

<constraints/>

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<style value="Union=0;Derived=0;AllowDuplicates=0;Owned=0;Navigable=Navigable;"/>

<documentation value="Relates the installation objects to the HollowSpace."/>

<xrefs value="$XREFPROP=$XID={2C5693CA-4D57-4a73-831E-36C54C158CC2}$XID;$NAM=Stereotypes$NAM;$TYP=connectorDestEnd property$TYP;$VIS=Public$VIS;$PAR=0$PAR;$DES=@STEREO;Name=Property;FQName=CityGML::Property;@ENDSTEREO;$DES;$CLT={033065B5-5505-49c8-846F-35E697134F23}$CLT;$SUP=&lt;none&gt;$SUP;$ENDXREF;"/>

<tags>

<tag xmi:id="EAID\_08A8199D\_FE63\_35fe\_8EFC\_2B76760C13E0" name="isMetadata" value="false$ea\_notes=Values: True,False&#xA;Default: false&#xA;Description: Indicates whether the property is considered metadata about the instance - and not information about the phenomenon in the real world.&#xA;"/>

<tag xmi:id="EAID\_37DFCA0A\_B550\_b0b5\_A46E\_EB918F1E70FB" name="inlineOrByReference" value="byReference$ea\_notes= Controls whether property values may be encoded inline or by reference.&#xA;"/>

<tag xmi:id="EAID\_BCD3CBEE\_9454\_f194\_B7A0\_6B3A228DB864" name="xsdEncodingRule" value="$ea\_notes=Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;"/>

<tag xmi:id="EAID\_E810E922\_58E8\_b658\_BED7\_69A5B3D2B63E" name="sequenceNumber" value="5$ea\_notes= Unique integer value for properties of the type used to sort properties.&#xA;"/>

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</target>

<model ea\_localid="9193"/>

<properties ea\_type="Association" direction="Source -&gt; Destination"/>

<modifiers isRoot="false" isLeaf="false"/>

<parameterSubstitutions/>

<documentation/>

<appearance linemode="3" linecolor="-1" linewidth="0" seqno="0" headStyle="0" lineStyle="0"/>

<labels lb="\*" rb="\*" rt="+tunnelInstallation&#xA;첧roperty?/>

<extendedProperties/>

<style/>

<xrefs/>

<tags/>

</connector>

<connector xmi:idref="EAID\_1C5EE893\_A123\_4ace\_9CE9\_80E585827CB6">

<source xmi:idref="EAID\_342B50BA\_81EC\_4980\_91AD\_756077EC2977">

<model ea\_localid="135" type="Class" name="HollowSpace"/>

<role visibility="Public" targetScope="instance"/>

<type multiplicity="0..1" aggregation="shared" containment="Unspecified"/>

<constraints/>

<modifiers isOrdered="false" changeable="none" isNavigable="false"/>

<style value="Union=0;Derived=0;AllowDuplicates=0;Owned=0;Navigable=Unspecified;"/>

<documentation/>

<xrefs/>

<tags/>

</source>

<target xmi:idref="EAID\_BA0BFCD8\_7313\_41aa\_A49E\_4FEB39F3F640">

<model ea\_localid="147" type="Class" name="TunnelFurniture"/>

<role name="tunnelFurniture" stereotype="Property" visibility="Public" targetScope="instance"/>

<type multiplicity="\*" aggregation="none" containment="Unspecified"/>

<constraints/>

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<style value="Union=0;Derived=0;AllowDuplicates=0;Owned=0;Navigable=Navigable;"/>

<documentation value="Relates the furniture objects to the HollowSpace."/>

<xrefs value="$XREFPROP=$XID={9A1CE46E-DD4A-4a7b-893E-054B094F289B}$XID;$NAM=Stereotypes$NAM;$TYP=connectorDestEnd property$TYP;$VIS=Public$VIS;$PAR=0$PAR;$DES=@STEREO;Name=Property;FQName=CityGML::Property;@ENDSTEREO;$DES;$CLT={1C5EE893-A123-4ace-9CE9-80E585827CB6}$CLT;$SUP=&lt;none&gt;$SUP;$ENDXREF;"/>

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<tag xmi:id="EAID\_08A8199D\_FE63\_35fe\_9895\_D4C0EF68B560" name="isMetadata" value="false$ea\_notes=Values: True,False&#xA;Default: false&#xA;Description: Indicates whether the property is considered metadata about the instance - and not information about the phenomenon in the real world.&#xA;"/>

<tag xmi:id="EAID\_37DFCA0A\_B550\_b0b5\_B690\_53F6969DF9D1" name="inlineOrByReference" value="byReference$ea\_notes= Controls whether property values may be encoded inline or by reference.&#xA;"/>

<tag xmi:id="EAID\_BCD3CBEE\_9454\_f194\_87B9\_B6EA7879341F" name="xsdEncodingRule" value="$ea\_notes=Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;"/>

<tag xmi:id="EAID\_E810E922\_58E8\_b658\_B963\_CFB123F941D7" name="sequenceNumber" value="4$ea\_notes= Unique integer value for properties of the type used to sort properties.&#xA;"/>

</tags>

</target>

<model ea\_localid="9295"/>

<properties ea\_type="Association" direction="Source -&gt; Destination"/>

<modifiers isRoot="false" isLeaf="false"/>

<parameterSubstitutions/>

<documentation/>

<appearance linemode="3" linecolor="-1" linewidth="0" seqno="0" headStyle="0" lineStyle="0"/>

<labels lb="0..1" rb="\*" rt="+tunnelFurniture&#xA;첧roperty?/>

<extendedProperties/>

<style/>

<xrefs/>

<tags/>

</connector>

<connector xmi:idref="EAID\_6703982C\_ECE1\_4820\_990D\_040FBC37F61C">

<source xmi:idref="EAID\_342B50BA\_81EC\_4980\_91AD\_756077EC2977">

<model ea\_localid="135" type="Class" name="HollowSpace"/>

<role visibility="Public" targetScope="instance"/>

<type aggregation="none" containment="Unspecified"/>

<constraints/>

<modifiers isOrdered="false" changeable="none" isNavigable="false"/>

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<documentation/>

<xrefs/>

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</source>

<target xmi:idref="EAID\_4F1406F0\_73E2\_4d59\_8DC9\_F28C3D58E5C6">

<model ea\_localid="7639" type="Class" name="AbstractUnoccupiedSpace"/>

<role visibility="Public" targetScope="instance"/>

<type aggregation="none" containment="Unspecified"/>

<constraints/>

<modifiers isOrdered="false" changeable="none" isNavigable="true"/>

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<documentation/>

<xrefs/>

<tags/>

</target>

<model ea\_localid="7624"/>

<properties ea\_type="Generalization" direction="Source -&gt; Destination"/>

<parameterSubstitutions/>

<documentation/>

<appearance linemode="3" linecolor="-1" linewidth="0" seqno="0" headStyle="0" lineStyle="0"/>

<labels/>

<extendedProperties virtualInheritance="0"/>

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<xrefs/>

<tags/>

</connector>

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<source xmi:idref="EAID\_342B50BA\_81EC\_4980\_91AD\_756077EC2977">

<model ea\_localid="135" type="Class" name="HollowSpace"/>

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<type multiplicity="\*" aggregation="none" containment="Unspecified"/>

<constraints/>

<modifiers isOrdered="false" changeable="none" isNavigable="false"/>

<style value="Union=0;Derived=0;AllowDuplicates=0;Owned=0;Navigable=Unspecified;"/>

<documentation/>

<xrefs/>

<tags/>

</source>

<target xmi:idref="EAID\_BC472102\_AACD\_4b6a\_8772\_C2FAA0560D4D">

<model ea\_localid="7631" type="Class" name="AbstractThematicSurface"/>

<role name="boundary" stereotype="Property" visibility="Public" targetScope="instance"/>

<type multiplicity="\*" aggregation="none" containment="Unspecified"/>

<constraints/>

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<style value="Union=0;Derived=0;AllowDuplicates=0;Owned=0;Navigable=Navigable;"/>

<documentation value="Relates to the surfaces that bound the HollowSpace. This relation is inherited from the Core module."/>

<xrefs value="$XREFPROP=$XID={7FCDF038-F30C-4306-9738-E378EDE07E76}$XID;$NAM=Stereotypes$NAM;$TYP=connectorDestEnd property$TYP;$VIS=Public$VIS;$PAR=0$PAR;$DES=@STEREO;Name=Property;FQName=CityGML::Property;@ENDSTEREO;$DES;$CLT={FA31EE75-FFFA-4e79-B8F4-EC20CB8B6022}$CLT;$SUP=&lt;none&gt;$SUP;$ENDXREF;"/>

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<tag xmi:id="EAID\_08A8199D\_FE63\_35fe\_B947\_0DB199074ADB" name="isMetadata" value="false$ea\_notes=Values: True,False&#xA;Default: false&#xA;Description: Indicates whether the property is considered metadata about the instance - and not information about the phenomenon in the real world.&#xA;"/>

<tag xmi:id="EAID\_37DFCA0A\_B550\_b0b5\_BEA0\_44C7648DDAE1" name="inlineOrByReference" value="inlineOrByReference$ea\_notes=Values: inline,byReference,inlineOrByReference&#xA;Default: inlineOrByReference&#xA;Description: Controls whether property values may be encoded inline or by reference.&#xA;"/>

<tag xmi:id="EAID\_BCD3CBEE\_9454\_f194\_A363\_6CE63F84FAB5" name="xsdEncodingRule" value="$ea\_notes=Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;"/>

<tag xmi:id="EAID\_E810E922\_58E8\_b658\_8635\_925D26248AB2" name="sequenceNumber" value="6$ea\_notes= Unique integer value for properties of the type used to sort properties.&#xA;"/>

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<model ea\_localid="9515"/>

<properties ea\_type="Association" direction="Source -&gt; Destination"/>

<modifiers isRoot="false" isLeaf="false"/>

<parameterSubstitutions/>

<documentation/>

<appearance linemode="3" linecolor="-1" linewidth="0" seqno="0" headStyle="0" lineStyle="0"/>

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<connector xmi:idref="EAID\_93AB8DFB\_2A96\_41e0\_8278\_512E897C79C5">

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<model ea\_localid="137" type="Class" name="Tunnel"/>

<role visibility="Public" targetScope="instance"/>

<type multiplicity="1" aggregation="composite" containment="Unspecified"/>

<constraints/>

<modifiers isOrdered="false" changeable="none" isNavigable="false"/>

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<documentation/>

<xrefs/>

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</source>

<target xmi:idref="EAID\_C578A63A\_9CC6\_4eec\_B087\_7FBE4E3CE003">

<model ea\_localid="149" type="Class" name="TunnelPart"/>

<role name="tunnelPart" stereotype="Property" visibility="Public" targetScope="instance"/>

<type multiplicity="\*" aggregation="none" containment="Unspecified"/>

<constraints/>

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<documentation value="Relates the tunnel parts to the Tunnel."/>

<xrefs value="$XREFPROP=$XID={2D17CC0F-843F-443a-8007-5BFB13C5FD5C}$XID;$NAM=Stereotypes$NAM;$TYP=connectorDestEnd property$TYP;$VIS=Public$VIS;$PAR=0$PAR;$DES=@STEREO;Name=Property;FQName=CityGML::Property;@ENDSTEREO;$DES;$CLT={93AB8DFB-2A96-41e0-8278-512E897C79C5}$CLT;$SUP=&lt;none&gt;$SUP;$ENDXREF;"/>

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<tag xmi:id="EAID\_37DFCA0A\_B550\_b0b5\_8816\_40E4F5974433" name="inlineOrByReference" value="inlineOrByReference$ea\_notes=Values: inline,byReference,inlineOrByReference&#xA;Default: inlineOrByReference&#xA;Description: Controls whether property values may be encoded inline or by reference.&#xA;"/>

<tag xmi:id="EAID\_BCD3CBEE\_9454\_f194\_BAC3\_D2D5096547FB" name="xsdEncodingRule" value="$ea\_notes=Values: notEncoded,iso19136\_2007,gml33,citygml&#xA;"/>

<tag xmi:id="EAID\_E810E922\_58E8\_b658\_B9CB\_BE95584ADD3E" name="sequenceNumber" value="1$ea\_notes= Unique integer value for properties of the type used to sort properties.&#xA;"/>

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<model ea\_localid="9189"/>

<properties ea\_type="Association" direction="Source -&gt; Destination"/>

<modifiers isRoot="false" isLeaf="false"/>

<parameterSubstitutions/>

<documentation/>

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<extendedProperties/>

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<source xmi:idref="EAID\_CADE8C3F\_C7A9\_46e0\_83FA\_B6597FF4FAAF">

<model ea\_localid="7746" type="Class" name="TunnelConstructiveElement"/>

<role visibility="Public" targetScope="instance"/>

<type aggregation="none" containment="Unspecified"/>

<constraints/>

<modifiers isOrdered="false" changeable="none" isNavigable="false"/>

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<documentation/>

<xrefs/>

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</source>

<target xmi:idref="EAID\_2590191B\_9EFA\_4477\_A32B\_DA3DEDAC68BE">

<model ea\_localid="7677" type="Class" name="AbstractConstructiveElement"/>

<role visibility="Public" targetScope="instance"/>

<type aggregation="none" containment="Unspecified"/>

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<tags/>

</target>

<model ea\_localid="9196"/>

<properties ea\_type="Generalization" direction="Source -&gt; Destination"/>

<parameterSubstitutions/>

<documentation/>

<appearance linemode="3" linecolor="-1" linewidth="0" seqno="0" headStyle="0" lineStyle="0"/>

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<extendedProperties virtualInheritance="0"/>

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<xrefs/>

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</connector>

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<source xmi:idref="EAID\_BA0BFCD8\_7313\_41aa\_A49E\_4FEB39F3F640">

<model ea\_localid="147" type="Class" name="TunnelFurniture"/>

<role visibility="Public" targetScope="instance"/>

<type aggregation="none" containment="Unspecified"/>

<constraints/>

<modifiers isOrdered="false" changeable="none" isNavigable="false"/>

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<model ea\_localid="7679" type="Class" name="AbstractFurniture"/>

<role visibility="Public" targetScope="instance"/>

<type aggregation="none" containment="Unspecified"/>

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<tags/>

</target>

<model ea\_localid="9194"/>

<properties ea\_type="Generalization" direction="Source -&gt; Destination"/>

<parameterSubstitutions/>

<documentation/>

<appearance linemode="3" linecolor="-1" linewidth="0" seqno="0" headStyle="0" lineStyle="0"/>

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<model ea\_localid="139" type="Class" name="TunnelInstallation"/>

<role visibility="Public" targetScope="instance"/>

<type aggregation="none" containment="Unspecified"/>

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<role visibility="Public" targetScope="instance"/>

<type aggregation="none" containment="Unspecified"/>

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<model ea\_localid="7627"/>

<properties ea\_type="Generalization" direction="Source -&gt; Destination"/>

<parameterSubstitutions/>

<documentation/>

<appearance linemode="3" linecolor="-1" linewidth="0" seqno="0" headStyle="0" lineStyle="0"/>

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<extendedProperties virtualInheritance="0"/>

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<source xmi:idref="EAID\_CA1B7511\_F144\_4794\_BAF3\_9101009909EC">

<model ea\_localid="8348" type="DataType" name="Emergency Parking Lot&#xA;"/>

<role visibility="Public" targetScope="instance"/>

<type aggregation="none" containment="Unspecified"/>

<constraints/>

<modifiers isOrdered="false" changeable="none" isNavigable="false"/>

<style value="Union=0;Derived=0;AllowDuplicates=0;"/>

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</source>

<target xmi:idref="EAID\_16787D24\_5A39\_4d88\_8D71\_17FAD32D0B83">

<model ea\_localid="8267" type="DataType" name="ADEOfHollowSpace"/>

<role visibility="Public" targetScope="instance"/>

<type aggregation="none" containment="Unspecified"/>

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<modifiers isOrdered="false" changeable="none" isNavigable="true"/>

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<model ea\_localid="9550"/>

<properties ea\_type="Generalization" direction="Source -&gt; Destination"/>

<parameterSubstitutions/>

<documentation/>

<appearance linemode="3" linecolor="-1" linewidth="0" seqno="0" headStyle="0" lineStyle="0"/>

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<extendedProperties virtualInheritance="0"/>

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</connector>

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<source xmi:idref="EAID\_A5431DC1\_D5D8\_46f1\_96E9\_D57E58C4F90A">

<model ea\_localid="8345" type="DataType" name="Shelter&#xA;"/>

<role visibility="Public" targetScope="instance"/>

<type aggregation="none" containment="Unspecified"/>

<constraints/>

<modifiers isOrdered="false" changeable="none" isNavigable="false"/>

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<packagedElement xmi:type="uml:Package" xmi:id="EAPrimitiveTypesPackage" name="EA\_PrimitiveTypes\_Package" visibility="public">

<packagedElement xmi:type="uml:Package" xmi:id="EAJavaTypesPackage" name="EA\_Java\_Types\_Package" visibility="public">

<packagedElement xmi:type="uml:PrimitiveType" xmi:id="EAJava\_Double" name="Double" visibility="public">

<generalization xmi:type="uml:Generalization" xmi:id="EAJava\_Double\_General">

<general href="http://schema.omg.org/spec/UML/2.1/uml.xml#UnlimitedNatural"/>

</generalization>

</packagedElement>

<packagedElement xmi:type="uml:PrimitiveType" xmi:id="EAJava\_Integer" name="Integer" visibility="public"/>

<packagedElement xmi:type="uml:PrimitiveType" xmi:id="EAJava\_CharacterString" name="CharacterString" visibility="public"/>

</packagedElement>

</packagedElement>

</primitivetypes>

<profiles>

<uml:Profile xmi:version="2.1" xmlns:uml="http://schema.omg.org/spec/UML/2.1/" xmlns:xmi="http://schema.omg.org/spec/XMI/2.1" xmi:id="FA5634AC-0" nsPrefix="CityGML" name="CityGML" metamodelReference="mmref01">

<ownedComment xmi:type="uml:Comment" xmi:id="comment01" annotatedElement="FA5634AC-0">

<body>This profile defines a set of stereotypes and tagged values for defining CityGML application schemas. Version:1.0</body>

</ownedComment>

<packageImport xmi:id="mmref01">

<importedPackage href="http://schema.omg.org/spec/UML/2.1/"/>

</packageImport>

<packagedElement xmi:type="uml:Stereotype" xmi:id="Version" name="Version">

<ownedAttribute xmi:type="uml:Property" xmi:id="Version-base\_Property" name="base\_Property" association="Property\_Version">

<type href="http://schema.omg.org/spec/UML/2.1/Property"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="Version-isMetadata" name="isMetadata">

<type href="http://schema.omg.org/spec/UML/2.1/String"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="Version-inlineOrByReference" name="inlineOrByReference">

<type href="http://schema.omg.org/spec/UML/2.1/String"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="Version-sequenceNumber" name="sequenceNumber">

<type href="http://schema.omg.org/spec/UML/2.1/String"/>

</ownedAttribute>

</packagedElement>

<packagedElement xmi:type="uml:Extension" xmi:id="Property\_Version" name="A\_Property\_Version" memberEnd="extension\_Version Version-base\_Property">

<ownedEnd xmi:id="extension\_Version" name="extension\_Version" type="Version" isComposite="true" lower="0" upper="1" memberEnd="extension\_Version Version-base\_Property"/>

</packagedElement>

<packagedElement xmi:type="uml:Stereotype" xmi:id="Union" name="Union">

<ownedAttribute xmi:type="uml:Property" xmi:id="Union-base\_DataType" name="base\_DataType" association="DataType\_Union">

<type href="http://schema.omg.org/spec/UML/2.1/DataType"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="Union-gmlAsGroup" name="gmlAsGroup">

<type href="http://schema.omg.org/spec/UML/2.1/String"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="Union-xsdEncodingRule" name="xsdEncodingRule">

<type href="http://schema.omg.org/spec/UML/2.1/String"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="Union-noPropertyType" name="noPropertyType">

<type href="http://schema.omg.org/spec/UML/2.1/String"/>

</ownedAttribute>

</packagedElement>

<packagedElement xmi:type="uml:Extension" xmi:id="DataType\_Union" name="A\_DataType\_Union" memberEnd="extension\_Union Union-base\_DataType">

<ownedEnd xmi:id="extension\_Union" name="extension\_Union" type="Union" isComposite="true" lower="0" upper="1" memberEnd="extension\_Union Union-base\_DataType"/>

</packagedElement>

<packagedElement xmi:type="uml:Stereotype" xmi:id="CodeList" name="CodeList">

<ownedAttribute xmi:type="uml:Property" xmi:id="CodeList-base\_Class" name="base\_Class" association="Class\_CodeList">

<type href="http://schema.omg.org/spec/UML/2.1/Class"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="CodeList-asDictionary" name="asDictionary">

<type href="http://schema.omg.org/spec/UML/2.1/String"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="CodeList-xsdEncodingRule" name="xsdEncodingRule">

<type href="http://schema.omg.org/spec/UML/2.1/String"/>

</ownedAttribute>

</packagedElement>

<packagedElement xmi:type="uml:Extension" xmi:id="Class\_CodeList" name="A\_Class\_CodeList" memberEnd="extension\_CodeList CodeList-base\_Class">

<ownedEnd xmi:id="extension\_CodeList" name="extension\_CodeList" type="CodeList" isComposite="true" lower="0" upper="1" memberEnd="extension\_CodeList CodeList-base\_Class"/>

</packagedElement>

<packagedElement xmi:type="uml:Stereotype" xmi:id="ApplicationSchema" name="ApplicationSchema">

<ownedAttribute xmi:type="uml:Property" xmi:id="ApplicationSchema-base\_Package" name="base\_Package" association="Package\_ApplicationSchema">

<type href="http://schema.omg.org/spec/UML/2.1/Package"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="ApplicationSchema-version" name="version">

<type href="http://schema.omg.org/spec/UML/2.1/String"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="ApplicationSchema-language" name="language">

<type href="http://schema.omg.org/spec/UML/2.1/String"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="ApplicationSchema-gmlProfileSchema" name="gmlProfileSchema">

<type href="http://schema.omg.org/spec/UML/2.1/String"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="ApplicationSchema-xsdDocument" name="xsdDocument">

<type href="http://schema.omg.org/spec/UML/2.1/String"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="ApplicationSchema-xmlns" name="xmlns">

<type href="http://schema.omg.org/spec/UML/2.1/String"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="ApplicationSchema-targetNamespace" name="targetNamespace">

<type href="http://schema.omg.org/spec/UML/2.1/String"/>

</ownedAttribute>

</packagedElement>

<packagedElement xmi:type="uml:Extension" xmi:id="Package\_ApplicationSchema" name="A\_Package\_ApplicationSchema" memberEnd="extension\_ApplicationSchema ApplicationSchema-base\_Package">

<ownedEnd xmi:id="extension\_ApplicationSchema" name="extension\_ApplicationSchema" type="ApplicationSchema" isComposite="true" lower="0" upper="1" memberEnd="extension\_ApplicationSchema ApplicationSchema-base\_Package"/>

</packagedElement>

<packagedElement xmi:type="uml:Stereotype" xmi:id="FeatureType" name="FeatureType">

<ownedAttribute xmi:type="uml:Property" xmi:id="FeatureType-base\_Class" name="base\_Class" association="Class\_FeatureType">

<type href="http://schema.omg.org/spec/UML/2.1/Class"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="FeatureType-gmlMixin" name="gmlMixin">

<type href="http://schema.omg.org/spec/UML/2.1/String"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="FeatureType-noPropertyType" name="noPropertyType">

<type href="http://schema.omg.org/spec/UML/2.1/String"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="FeatureType-isCollection" name="isCollection">

<type href="http://schema.omg.org/spec/UML/2.1/String"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="FeatureType-byValuePropertyType" name="byValuePropertyType">

<type href="http://schema.omg.org/spec/UML/2.1/String"/>

</ownedAttribute>

</packagedElement>

<packagedElement xmi:type="uml:Extension" xmi:id="Class\_FeatureType" name="A\_Class\_FeatureType" memberEnd="extension\_FeatureType FeatureType-base\_Class">

<ownedEnd xmi:id="extension\_FeatureType" name="extension\_FeatureType" type="FeatureType" isComposite="true" lower="0" upper="1" memberEnd="extension\_FeatureType FeatureType-base\_Class"/>

</packagedElement>

<packagedElement xmi:type="uml:Stereotype" xmi:id="Leaf" name="Leaf">

<ownedAttribute xmi:type="uml:Property" xmi:id="Leaf-base\_Package" name="base\_Package" association="Package\_Leaf">

<type href="http://schema.omg.org/spec/UML/2.1/Package"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="Leaf-xsdEncodingRule" name="xsdEncodingRule">

<type href="http://schema.omg.org/spec/UML/2.1/String"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="Leaf-xsdDocument" name="xsdDocument">

<type href="http://schema.omg.org/spec/UML/2.1/String"/>

</ownedAttribute>

</packagedElement>

<packagedElement xmi:type="uml:Extension" xmi:id="Package\_Leaf" name="A\_Package\_Leaf" memberEnd="extension\_Leaf Leaf-base\_Package">

<ownedEnd xmi:id="extension\_Leaf" name="extension\_Leaf" type="Leaf" isComposite="true" lower="0" upper="1" memberEnd="extension\_Leaf Leaf-base\_Package"/>

</packagedElement>

<packagedElement xmi:type="uml:Stereotype" xmi:id="ObjectType" name="ObjectType">

<ownedAttribute xmi:type="uml:Property" xmi:id="ObjectType-base\_Class" name="base\_Class" association="Class\_ObjectType">

<type href="http://schema.omg.org/spec/UML/2.1/Class"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="ObjectType-noPropertyType" name="noPropertyType">

<type href="http://schema.omg.org/spec/UML/2.1/String"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="ObjectType-isCollection" name="isCollection">

<type href="http://schema.omg.org/spec/UML/2.1/String"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="ObjectType-byValuePropertyType" name="byValuePropertyType">

<type href="http://schema.omg.org/spec/UML/2.1/String"/>

</ownedAttribute>

</packagedElement>

<packagedElement xmi:type="uml:Extension" xmi:id="Class\_ObjectType" name="A\_Class\_ObjectType" memberEnd="extension\_ObjectType ObjectType-base\_Class">

<ownedEnd xmi:id="extension\_ObjectType" name="extension\_ObjectType" type="ObjectType" isComposite="true" lower="0" upper="1" memberEnd="extension\_ObjectType ObjectType-base\_Class"/>

</packagedElement>

<packagedElement xmi:type="uml:Stereotype" xmi:id="DataType" name="DataType">

<ownedAttribute xmi:type="uml:Property" xmi:id="DataType-base\_DataType" name="base\_DataType" association="DataType\_DataType">

<type href="http://schema.omg.org/spec/UML/2.1/DataType"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="DataType-xsdEncodingRule" name="xsdEncodingRule">

<type href="http://schema.omg.org/spec/UML/2.1/String"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="DataType-noPropertyType" name="noPropertyType">

<type href="http://schema.omg.org/spec/UML/2.1/String"/>

</ownedAttribute>

</packagedElement>

<packagedElement xmi:type="uml:Extension" xmi:id="DataType\_DataType" name="A\_DataType\_DataType" memberEnd="extension\_DataType DataType-base\_DataType">

<ownedEnd xmi:id="extension\_DataType" name="extension\_DataType" type="DataType" isComposite="true" lower="0" upper="1" memberEnd="extension\_DataType DataType-base\_DataType"/>

</packagedElement>

<packagedElement xmi:type="uml:Stereotype" xmi:id="TopLevelFeatureType" name="TopLevelFeatureType">

<generalization xmi:type="uml:Generalization" xmi:id="TopLevelFeatureType\_FeatureType\_generalization" general="FeatureType"/>

</packagedElement>

<packagedElement xmi:type="uml:Stereotype" xmi:id="BasicType" name="BasicType">

<ownedAttribute xmi:type="uml:Property" xmi:id="BasicType-base\_Class" name="base\_Class" association="Class\_BasicType">

<type href="http://schema.omg.org/spec/UML/2.1/Class"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="BasicType-rangeMaximum" name="rangeMaximum">

<type href="http://schema.omg.org/spec/UML/2.1/String"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="BasicType-maxLength" name="maxLength">

<type href="http://schema.omg.org/spec/UML/2.1/String"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="BasicType-xsdEncodingRule" name="xsdEncodingRule">

<type href="http://schema.omg.org/spec/UML/2.1/String"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="BasicType-length" name="length">

<type href="http://schema.omg.org/spec/UML/2.1/String"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="BasicType-minLength" name="minLength">

<type href="http://schema.omg.org/spec/UML/2.1/String"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="BasicType-rangeMinimum" name="rangeMinimum">

<type href="http://schema.omg.org/spec/UML/2.1/String"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="BasicType-base" name="base">

<type href="http://schema.omg.org/spec/UML/2.1/String"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="BasicType-itemType" name="itemType">

<type href="http://schema.omg.org/spec/UML/2.1/String"/>

</ownedAttribute>

</packagedElement>

<packagedElement xmi:type="uml:Extension" xmi:id="Class\_BasicType" name="A\_Class\_BasicType" memberEnd="extension\_BasicType BasicType-base\_Class">

<ownedEnd xmi:id="extension\_BasicType" name="extension\_BasicType" type="BasicType" isComposite="true" lower="0" upper="1" memberEnd="extension\_BasicType BasicType-base\_Class"/>

</packagedElement>

<packagedElement xmi:type="uml:Stereotype" xmi:id="Property" name="Property">

<ownedAttribute xmi:type="uml:Property" xmi:id="Property-base\_Property" name="base\_Property" association="Property\_Property">

<type href="http://schema.omg.org/spec/UML/2.1/Property"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="Property-xsdEncodingRule" name="xsdEncodingRule">

<type href="http://schema.omg.org/spec/UML/2.1/String"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="Property-isMetadata" name="isMetadata">

<type href="http://schema.omg.org/spec/UML/2.1/String"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="Property-inlineOrByReference" name="inlineOrByReference">

<type href="http://schema.omg.org/spec/UML/2.1/String"/>

</ownedAttribute>

<ownedAttribute xmi:type="uml:Property" xmi:id="Property-sequenceNumber" name="sequenceNumber">

<type href="http://schema.omg.org/spec/UML/2.1/String"/>

</ownedAttribute>

</packagedElement>

<packagedElement xmi:type="uml:Extension" xmi:id="Property\_Property" name="A\_Property\_Property" memberEnd="extension\_Property Property-base\_Property">

<ownedEnd xmi:id="extension\_Property" name="extension\_Property" type="Property" isComposite="true" lower="0" upper="1" memberEnd="extension\_Property Property-base\_Property"/>

</packagedElement>

</uml:Profile>

</profiles>

<diagrams>

<diagram xmi:id="EAID\_B5A63AB0\_001F\_43a2\_927A\_9A0CC62BE6FF">

<model package="EAPK\_070A5649\_8282\_4ad3\_A1DE\_A9A41FCB55B8" localID="14" owner="EAPK\_070A5649\_8282\_4ad3\_A1DE\_A9A41FCB55B8"/>

<properties name="Tunnel" type="Logical"/>

<project author="kolbe/kutzner" version="1.0" created="2012-11-21 00:00:00" modified="2021-09-30 11:26:17"/>

<style1 value="ShowPrivate=1;ShowProtected=1;ShowPublic=1;HideRelationships=0;Locked=0;Border=1;HighlightForeign=1;PackageContents=1;SequenceNotes=0;ScalePrintImage=0;PPgs.cx=1;PPgs.cy=1;DocSize.cx=1130;DocSize.cy=795;ShowDetails=0;Orientation=L;Zoom=66;ShowTags=0;OpParams=1;VisibleAttributeDetail=0;ShowOpRetType=1;ShowIcons=1;CollabNums=1;HideProps=0;ShowReqs=0;ShowCons=0;PaperSize=9;HideParents=0;UseAlias=0;HideAtts=0;HideOps=0;HideStereo=0;HideElemStereo=0;ShowTests=0;ShowMaint=0;ConnectorNotation=UML 2.1;ExplicitNavigability=0;ShowShape=1;AllDockable=0;AdvancedElementProps=1;AdvancedFeatureProps=0;AdvancedConnectorProps=0;m\_bElementClassifier=1;SPT=1;ShowNotes=0;SuppressBrackets=0;SuppConnectorLabels=0;PrintPageHeadFoot=0;ShowAsList=0;HideConnStereotype=1;"/>

<style2 value="ExcludeRTF=0;DocAll=0;HideQuals=0;AttPkg=1;ShowTests=0;ShowMaint=0;SuppressFOC=1;MatrixActive=0;SwimlanesActive=1;KanbanActive=0;MatrixLineWidth=1;MatrixLineClr=0;MatrixLocked=0;TConnectorNotation=UML 2.1;TExplicitNavigability=0;AdvancedElementProps=1;AdvancedFeatureProps=0;AdvancedConnectorProps=0;m\_bElementClassifier=1;SPT=1;MDGDgm=;STBLDgm=;ShowNotes=0;VisibleAttributeDetail=0;ShowOpRetType=1;SuppressBrackets=0;SuppConnectorLabels=0;PrintPageHeadFoot=0;ShowAsList=0;HideConnStereotype=1;SuppressedCompartments=;Theme=:119;SaveTag=A3E59E4C;"/>

<swimlanes value="locked=false;orientation=0;width=0;inbar=false;names=false;color=0;bold=false;fcol=0;tcol=-1;ofCol=-1;ufCol=-1;hl=0;ufh=0;hh=0;cls=0;bw=0;hli=0;bro=0;SwimlaneFont=lfh:-10,lfw:0,lfi:0,lfu:0,lfs:0,lfface:Calibri,lfe:0,lfo:0,lfchar:1,lfop:0,lfcp:0,lfq:0,lfpf=0,lfWidth=0;"/>

<matrixitems value="locked=false;matrixactive=false;swimlanesactive=true;kanbanactive=false;width=1;clrLine=0;"/>

<extendedProperties/>

<elements>

<element geometry="Left=500;Top=73;Right=641;Bottom=153;" subject="EAID\_BC472102\_AACD\_4b6a\_8772\_C2FAA0560D4D" seqno="1" style="DUID=C06E261A;NSL=0;BFol=-1;LCol=-1;LWth=-1;fontsz=0;bold=0;black=0;italic=0;ul=0;charset=0;pitch=0;HideIcon=0;AttPro=0;AttPri=0;AttPub=0;AttPkg=0;OpPro=0;OpPri=0;OpPub=0;OpPkg=0;AttCustom=0;OpCustom=0;PType=0;RzO=1;BCol=16770764;"/>

<element geometry="Left=177;Top=523;Right=361;Bottom=606;" subject="EAID\_2590191B\_9EFA\_4477\_A32B\_DA3DEDAC68BE" seqno="2" style="DUID=88C06987;NSL=0;BFol=-1;LCol=-1;LWth=-1;fontsz=0;bold=0;black=0;italic=0;ul=0;charset=0;pitch=0;HideIcon=0;AttPro=0;AttPri=0;AttPub=0;AttPkg=0;AttCustom=0;OpCustom=0;PType=0;RzO=1;BCol=16770764;"/>

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<element geometry="Left=985;Top=601;Right=1108;Bottom=681;" subject="EAID\_A8DC7ACD\_0AC9\_4358\_8FF2\_AF0040FB4598" seqno="4" style="DUID=97E89C60;NSL=0;BFol=-1;LCol=-1;LWth=-1;fontsz=0;bold=0;black=0;italic=0;ul=0;charset=0;pitch=0;HideIcon=0;BCol=16770764;AttPro=0;AttPri=0;AttPub=0;AttPkg=0;OpPro=0;OpPri=0;OpPub=0;OpPkg=0;AttCustom=0;OpCustom=0;PType=0;RzO=1;"/>

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<element geometry="Left=795;Top=105;Right=951;Bottom=190;" subject="EAID\_4F1406F0\_73E2\_4d59\_8DC9\_F28C3D58E5C6" seqno="6" style="DUID=6E63E1C2;NSL=0;BFol=-1;LCol=-1;LWth=-1;fontsz=0;bold=0;black=0;italic=0;ul=0;charset=0;pitch=0;HideIcon=0;BCol=16770764;AttPro=0;AttPri=0;AttPub=0;AttPkg=0;OpPro=0;OpPri=0;OpPub=0;OpPkg=0;AttCustom=0;OpCustom=0;PType=0;RzO=1;"/>

<element geometry="Left=203;Top=102;Right=351;Bottom=182;" subject="EAID\_D8E4EAFC\_9DAF\_4cba\_9169\_984738657435" seqno="7" style="DUID=ED3DE586;NSL=0;BFol=-1;LCol=-1;LWth=-1;fontsz=0;bold=0;black=0;italic=0;ul=0;charset=0;pitch=0;AttPro=0;AttPri=0;AttPub=0;AttPkg=0;OpPro=0;OpPri=0;OpPub=0;OpPkg=0;AttCustom=0;OpCustom=0;PType=0;RzO=1;BCol=16770764;"/>

<element geometry="Left=37;Top=412;Right=222;Bottom=500;" subject="EAID\_385B097B\_BB31\_47a6\_892E\_BC5FA36EB095" seqno="8" style="NSL=0;BFol=-1;LCol=-1;LWth=-1;fontsz=0;bold=0;italic=0;ul=0;charset=0;pitch=0;DUID=C98D8F67;BCol=11796479;HideIcon=0;"/>

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<element geometry="Left=698;Top=222;Right=949;Bottom=358;" subject="EAID\_342B50BA\_81EC\_4980\_91AD\_756077EC2977" seqno="10" style="NSL=0;BFol=-1;LCol=-1;LWth=-1;fontsz=0;bold=0;italic=0;ul=0;charset=0;pitch=0;DUID=AC2EBCF7;HideIcon=0;BCol=12180223;"/>

<element geometry="Left=679;Top=574;Right=950;Bottom=709;" subject="EAID\_BA0BFCD8\_7313\_41aa\_A49E\_4FEB39F3F640" seqno="11" style="NSL=0;BFol=-1;LCol=-1;LWth=-1;fontsz=0;bold=0;italic=0;ul=0;charset=0;pitch=0;DUID=FD3D414D;BCol=11796479;HideIcon=0;"/>

<element geometry="Left=662;Top=413;Right=950;Bottom=551;" subject="EAID\_4BD38C53\_DB8F\_4be8\_8CAF\_4BD76D13A667" seqno="12" style="NSL=0;BFol=-1;LCol=-1;LWth=-1;fontsz=0;bold=0;italic=0;ul=0;charset=0;pitch=0;DUID=8491A3D4;BCol=11796479;HideIcon=0;"/>

<element geometry="Left=147;Top=216;Right=408;Bottom=358;" subject="EAID\_597E2B4E\_6615\_437e\_B4A8\_329962D28A73" seqno="13" style="NSL=0;BFol=-1;LCol=-1;LWth=-1;fontsz=0;bold=0;italic=0;ul=0;charset=0;pitch=0;DUID=EFE2F930;BCol=11796479;HideIcon=0;"/>

<element geometry="EDGE=1;EX=7;EY=-40;SX=56;SY=58;$LLB=;LLT=;LMT=;LMB=;LRT=;LRB=;IRHS=;ILHS=;Path=;" subject="EAID\_6703982C\_ECE1\_4820\_990D\_040FBC37F61C" style="Mode=3;EOID=6E63E1C2;SOID=AC2EBCF7;Color=-1;LWidth=0;Hidden=0;"/>

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<element geometry="SX=1;SY=42;EX=-125;EY=45;EDGE=2;$LLB=CX=6:CY=14:OX=18:OY=-27:HDN=0:BLD=0:ITA=0:UND=0:CLR=-1:ALN=1:DIR=0:ROT=0;LLT=;LMT=;LMB=;LRT=CX=56:CY=27:OX=35:OY=-17:HDN=0:BLD=0:ITA=0:UND=0:CLR=-1:ALN=1:DIR=0:ROT=0;LRB=CX=6:CY=14:OX=-7:OY=-28:HDN=0:BLD=0:ITA=0:UND=0:CLR=-1:ALN=1:DIR=0:ROT=0;IRHS=;ILHS=;Path=;" subject="EAID\_FC601DA3\_8635\_4d12\_B5E0\_2778AB3E08E1" style="Mode=3;EOID=AC2EBCF7;SOID=EFE2F930;Color=-1;LWidth=0;Hidden=0;"/>

<element geometry="SX=1;SY=-35;EX=-70;EY=-26;EDGE=2;$LLB=CX=6:CY=14:OX=21:OY=-24:HDN=0:BLD=0:ITA=0:UND=0:CLR=-1:ALN=1:DIR=0:ROT=0;LLT=;LMT=;LMB=;LRT=CX=67:CY=27:OX=44:OY=27:HDN=0:BLD=0:ITA=0:UND=0:CLR=-1:ALN=1:DIR=0:ROT=0;LRB=CX=6:CY=14:OX=-5:OY=-28:HDN=0:BLD=0:ITA=0:UND=0:CLR=-1:ALN=1:DIR=0:ROT=0;IRHS=;ILHS=;Path=586:-321$586:-666$;" subject="EAID\_5CED9C6F\_996E\_4c8f\_8F77\_227BCE063A7B" style="Mode=3;EOID=FD3D414D;SOID=EFE2F930;Color=-1;LWidth=0;Hidden=0;"/>

<element geometry="SX=-125;SY=-31;EX=-39;EY=44;EDGE=4;$LLB=CX=17:CY=14:OX=-14:OY=-27:HDN=0:BLD=0:ITA=0:UND=0:CLR=-1:ALN=1:DIR=0:ROT=0;LLT=;LMT=;LMB=;LRT=CX=67:CY=27:OX=49:OY=29:HDN=0:BLD=0:ITA=0:UND=0:CLR=-1:ALN=1:DIR=0:ROT=0;LRB=CX=6:CY=14:OX=-6:OY=-28:HDN=0:BLD=0:ITA=0:UND=0:CLR=-1:ALN=1:DIR=0:ROT=0;IRHS=;ILHS=;Path=607:-321$607:-597$;" subject="EAID\_1C5EE893\_A123\_4ace\_9CE9\_80E585827CB6" style="Mode=3;EOID=FD3D414D;SOID=AC2EBCF7;Color=-1;LWidth=0;Hidden=0;"/>

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<element geometry="SX=1;SY=-8;EX=-1;EY=48;EDGE=2;$LLB=CX=6:CY=14:OX=21:OY=-26:HDN=0:BLD=0:ITA=0:UND=0:CLR=-1:ALN=1:DIR=0:ROT=0;LLT=;LMT=;LMB=;LRT=CX=75:CY=27:OX=111:OY=-42:HDN=0:BLD=0:ITA=0:UND=0:CLR=-1:ALN=1:DIR=0:ROT=0;LRB=CX=6:CY=14:OX=-10:OY=-28:HDN=0:BLD=0:ITA=0:UND=0:CLR=-1:ALN=1:DIR=0:ROT=0;IRHS=;ILHS=;Path=628:-295$628:-434$;" subject="EAID\_6DC7EB08\_8218\_4ea2\_92FC\_17E6556D2499" style="Mode=3;EOID=8491A3D4;SOID=EFE2F930;Color=-1;LWidth=0;Hidden=0;"/>

<element geometry="SX=0;SY=70;EDGE=1;EX=1;EY=-39;$LLB=;LLT=;LMT=;LMB=;LRT=;LRB=;IRHS=;ILHS=;Path=;" subject="EAID\_54908F57\_C101\_45eb\_9DCE\_6EB42D111747" style="Mode=3;EOID=ED3DE586;SOID=EFE2F930;Color=-1;LWidth=0;Hidden=0;"/>

<element geometry="SX=1;SY=43;EX=2;EY=-70;EDGE=1;$LLB=;LLT=;LMT=;LMB=;LRT=;LRB=;IRHS=;ILHS=;Path=436:-390$278:-390$;" subject="EAID\_0471AF7A\_EBF8\_4956\_AF7A\_B05F06CE89AA" style="Mode=3;EOID=EFE2F930;SOID=DE4B328E;Color=-1;LWidth=0;Hidden=0;"/>

<element geometry="SX=-90;SY=68;EX=70;EY=-25;EDGE=1;$LLB=CX=6:CY=14:OX=7:OY=1:HDN=0:BLD=0:ITA=0:UND=0:CLR=-1:ALN=1:DIR=0:ROT=0;LLT=;LMT=;LMB=;LRT=CX=45:CY=27:OX=7:OY=30:HDN=0:BLD=0:ITA=0:UND=0:CLR=-1:ALN=1:DIR=0:ROT=0;LRB=CX=6:CY=14:OX=18:OY=-25:HDN=0:BLD=0:ITA=0:UND=0:CLR=-1:ALN=1:DIR=0:ROT=0;IRHS=;ILHS=;Path=733:-138$;" subject="EAID\_FA31EE75\_FFFA\_4e79\_B8F4\_EC20CB8B6022" style="Mode=3;EOID=C06E261A;SOID=AC2EBCF7;Color=-1;LWidth=0;Hidden=0;"/>

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<element geometry="SX=1;SY=-61;EX=75;EY=-9;EDGE=2;$LLB=CX=6:CY=14:OX=21:OY=-25:HDN=0:BLD=0:ITA=0:UND=0:CLR=-1:ALN=1:DIR=0:ROT=0;LLT=;LMT=;LMB=;LRT=CX=113:CY=27:OX=5:OY=31:HDN=0:BLD=0:ITA=0:UND=0:CLR=-1:ALN=1:DIR=0:ROT=0;LRB=CX=6:CY=14:OX=5:OY=-28:HDN=0:BLD=0:ITA=0:UND=0:CLR=-1:ALN=1:DIR=0:ROT=0;IRHS=;ILHS=;Path=565:-348$565:-715$;" subject="EAID\_283FC128\_3876\_4960\_AE99\_01CA0660B47C" style="Mode=3;EOID=3100C705;SOID=EFE2F930;Color=-1;LWidth=0;Hidden=0;"/>

<element geometry="SX=0;SY=1;EX=0;EY=1;EDGE=1;$LLB=;LLT=;LMT=;LMB=;LRT=;LRB=;IRHS=;ILHS=;Path=;" subject="EAID\_B1438791\_2363\_4dcd\_9F64\_8E8F74575A33" style="Mode=3;EOID=88C06987;SOID=3100C705;Color=-1;LWidth=0;Hidden=0;"/>

<element geometry="SX=-91;SY=-3;EX=-69;EY=27;EDGE=4;$LLB=CX=6:CY=14:OX=-6:OY=-24:HDN=0:BLD=0:ITA=0:UND=0:CLR=-1:ALN=1:DIR=0:ROT=0;LLT=;LMT=;LMB=;LRT=CX=45:CY=27:OX=37:OY=-20:HDN=0:BLD=0:ITA=0:UND=0:CLR=-1:ALN=1:DIR=0:ROT=0;LRB=CX=6:CY=14:OX=-16:OY=2:HDN=0:BLD=0:ITA=0:UND=0:CLR=-1:ALN=1:DIR=0:ROT=0;IRHS=;ILHS=;Path=21:-566$21:-86$;" subject="EAID\_D31478E3\_BF49\_4c42\_B531\_227F85990462" style="Mode=3;EOID=C06E261A;SOID=88C06987;Color=-1;LWidth=0;Hidden=0;"/>

<element geometry="EDGE=2;SX=1;SY=6;EX=-70;EY=-23;$LLB=CX=6:CY=14:OX=7:OY=-25:HDN=0:BLD=0:ITA=0:UND=0:CLR=-1:ALN=1:DIR=0:ROT=0;LLT=;LMT=;LMB=;LRT=CX=45:CY=27:OX=39:OY=30:HDN=0:BLD=0:ITA=0:UND=0:CLR=-1:ALN=1:DIR=0:ROT=0;LRB=CX=6:CY=14:OX=-16:OY=-24:HDN=0:BLD=0:ITA=0:UND=0:CLR=-1:ALN=1:DIR=0:ROT=0;IRHS=;ILHS=;Path=;" subject="EAID\_A13DA6DE\_34A4\_40f4\_9B93\_F989C42B2FDD" style="Mode=3;EOID=C06E261A;SOID=ED3DE586;Color=-1;LWidth=0;Hidden=0;"/>

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<element geometry="SX=3;SY=0;EX=1;EY=-70;EDGE=1;$LLB=;LLT=;LMT=;LMB=;LRT=;LRB=;IRHS=;ILHS=;Path=130:-390$278:-390$;" subject="EAID\_62B788D8\_6A45\_4d38\_A4AB\_FC55FCB5E2B8" style="Mode=3;EOID=EFE2F930;SOID=C98D8F67;Color=-1;LWidth=0;Hidden=0;"/>

</elements>

</diagram>

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<model package="EAPK\_070A5649\_8282\_4ad3\_A1DE\_A9A41FCB55B8" localID="3594" owner="EAPK\_070A5649\_8282\_4ad3\_A1DE\_A9A41FCB55B8"/>

<properties name="Tunnel - Code lists" type="Logical"/>

<project author="Tatjana" version="1.0" created="2019-09-30 11:20:35" modified="2021-09-28 17:51:48"/>

<style1 value="ShowPrivate=1;ShowProtected=1;ShowPublic=1;HideRelationships=0;Locked=0;Border=1;HighlightForeign=1;PackageContents=1;SequenceNotes=0;ScalePrintImage=0;PPgs.cx=1;PPgs.cy=1;DocSize.cx=1138;DocSize.cy=795;ShowDetails=0;Orientation=L;Zoom=100;ShowTags=0;OpParams=1;VisibleAttributeDetail=0;ShowOpRetType=1;ShowIcons=1;CollabNums=0;HideProps=0;ShowReqs=0;ShowCons=0;PaperSize=9;HideParents=0;UseAlias=0;HideAtts=0;HideOps=0;HideStereo=0;HideElemStereo=0;ShowTests=0;ShowMaint=0;ConnectorNotation=UML 2.1;ExplicitNavigability=0;ShowShape=1;AllDockable=0;AdvancedElementProps=1;AdvancedFeatureProps=1;AdvancedConnectorProps=1;m\_bElementClassifier=1;SPT=1;ShowNotes=0;SuppressBrackets=0;SuppConnectorLabels=0;PrintPageHeadFoot=0;ShowAsList=0;"/>

<style2 value="ExcludeRTF=0;DocAll=0;HideQuals=0;AttPkg=1;ShowTests=0;ShowMaint=0;SuppressFOC=1;MatrixActive=0;SwimlanesActive=1;KanbanActive=0;MatrixLineWidth=1;MatrixLineClr=0;MatrixLocked=0;TConnectorNotation=UML 2.1;TExplicitNavigability=0;AdvancedElementProps=1;AdvancedFeatureProps=1;AdvancedConnectorProps=1;m\_bElementClassifier=1;SPT=1;MDGDgm=;STBLDgm=;ShowNotes=0;VisibleAttributeDetail=0;ShowOpRetType=1;SuppressBrackets=0;SuppConnectorLabels=0;PrintPageHeadFoot=0;ShowAsList=0;SuppressedCompartments=;Theme=:119;SaveTag=FF9B53BF;"/>

<swimlanes value="locked=false;orientation=0;width=0;inbar=false;names=false;color=-1;bold=false;fcol=0;tcol=-1;ofCol=-1;ufCol=-1;hl=0;ufh=0;hh=0;cls=0;bw=0;hli=0;bro=0;SwimlaneFont=lfh:-10,lfw:0,lfi:0,lfu:0,lfs:0,lfface:Calibri,lfe:0,lfo:0,lfchar:1,lfop:0,lfcp:0,lfq:0,lfpf=0,lfWidth=0;"/>

<matrixitems value="locked=false;matrixactive=false;swimlanesactive=true;kanbanactive=false;width=1;clrLine=0;"/>

<extendedProperties/>

<elements>

<element geometry="Left=636;Top=538;Right=829;Bottom=766;" subject="EAID\_F8FF7619\_E272\_44f3\_9900\_632F023C68A9" seqno="1" style="DUID=7EA7933D;BCol=12180223;"/>

<element geometry="Left=402;Top=463;Right=647;Bottom=511;" subject="EAID\_1D08EC4F\_B2D0\_4a82\_A174\_E8D8C6CB815E" seqno="2" style="DUID=4C7EB543;HideIcon=0;BCol=11796479;"/>

<element geometry="Left=402;Top=398;Right=647;Bottom=446;" subject="EAID\_B21BB71F\_0103\_4aaf\_BB7D\_EBFD34421321" seqno="3" style="DUID=F8B697B8;HideIcon=0;BCol=11796479;"/>

<element geometry="Left=402;Top=333;Right=647;Bottom=381;" subject="EAID\_85C9204C\_B577\_4a9f\_821C\_0F6D10F5AB89" seqno="4" style="DUID=BE29B2D6;HideIcon=0;BCol=11796479;"/>

<element geometry="Left=425;Top=538;Right=607;Bottom=909;" subject="EAID\_205CDA84\_4131\_4ac3\_A86F\_9B6F1B30DB00" seqno="5" style="DUID=9B0135DC;HideIcon=0;BCol=12180223;"/>

<element geometry="Left=208;Top=762;Right=390;Bottom=810;" subject="EAID\_EB46A2D5\_D288\_4163\_88C5\_00725183BD17" seqno="6" style="DUID=73E0C32E;HideIcon=0;BCol=11796479;"/>

<element geometry="Left=208;Top=538;Right=390;Bottom=740;" subject="EAID\_26B46311\_E2A9\_4fd5\_96D7\_ACD8FDA89CAD" seqno="7" style="DUID=1FE2E858;HideIcon=0;BCol=12180223;"/>

<element geometry="Left=390;Top=261;Right=582;Bottom=309;" subject="EAID\_1AC2CD84\_729C\_480c\_B478\_F41641D36540" seqno="8" style="DUID=FA1DE8D7;HideIcon=0;BCol=11796479;"/>

<element geometry="Left=390;Top=196;Right=582;Bottom=244;" subject="EAID\_BA06E5B4\_F1EF\_4638\_AA45\_930E3E6C62D4" seqno="9" style="DUID=EBF652C2;HideIcon=0;BCol=11796479;"/>

<element geometry="Left=388;Top=131;Right=580;Bottom=179;" subject="EAID\_FB0C6B39\_8E71\_4b8e\_9161\_0437C2E6E643" seqno="10" style="DUID=03A23A5F;HideIcon=0;BCol=11796479;"/>

<element geometry="Left=211;Top=463;Right=374;Bottom=511;" subject="EAID\_81DDA72B\_FCB0\_428d\_8FE5\_56FE776A0710" seqno="11" style="DUID=1BDDCDA4;HideIcon=0;BCol=11796479;"/>

<element geometry="Left=211;Top=398;Right=374;Bottom=446;" subject="EAID\_8308282C\_1719\_4c4a\_96CA\_EF038803D2D2" seqno="12" style="DUID=0358A00E;HideIcon=0;BCol=11796479;"/>

<element geometry="Left=211;Top=333;Right=374;Bottom=381;" subject="EAID\_3CF6B7B6\_7C79\_4eac\_9233\_FD10B4344DAA" seqno="13" style="DUID=5589E367;HideIcon=0;BCol=11796479;"/>

<element geometry="Left=212;Top=262;Right=344;Bottom=310;" subject="EAID\_0924F1DA\_B287\_429d\_8714\_0F35553A1797" seqno="14" style="DUID=05992D61;HideIcon=0;BCol=11796479;"/>

<element geometry="Left=212;Top=197;Right=344;Bottom=245;" subject="EAID\_7A693B3C\_DE31\_4941\_881E\_E2C8D57493D7" seqno="15" style="DUID=86C85C2A;HideIcon=0;BCol=11796479;"/>

<element geometry="Left=212;Top=132;Right=344;Bottom=180;" subject="EAID\_489E797E\_E2A6\_48e3\_9C49\_CCFF433BA5E6" seqno="16" style="DUID=8307DB6A;HideIcon=0;BCol=11796479;"/>

</elements>

</diagram>

<diagram xmi:id="EAID\_96C4DBD6\_4A1E\_40dd\_9A24\_930878F4883D">

<model package="EAPK\_070A5649\_8282\_4ad3\_A1DE\_A9A41FCB55B8" localID="3612" owner="EAPK\_070A5649\_8282\_4ad3\_A1DE\_A9A41FCB55B8"/>

<properties name="Tunnel - ADE Data types" type="Logical"/>

<project author="Tatjana" version="1.0" created="2020-05-26 15:09:17" modified="2021-09-30 11:29:32"/>

<style1 value="ShowPrivate=1;ShowProtected=1;ShowPublic=1;HideRelationships=0;Locked=0;Border=1;HighlightForeign=1;PackageContents=1;SequenceNotes=0;ScalePrintImage=0;PPgs.cx=1;PPgs.cy=1;DocSize.cx=1138;DocSize.cy=795;ShowDetails=0;Orientation=L;Zoom=100;ShowTags=0;OpParams=1;VisibleAttributeDetail=0;ShowOpRetType=1;ShowIcons=1;CollabNums=0;HideProps=0;ShowReqs=0;ShowCons=0;PaperSize=9;HideParents=0;UseAlias=0;HideAtts=0;HideOps=0;HideStereo=0;HideElemStereo=0;ShowTests=0;ShowMaint=0;ConnectorNotation=UML 2.1;ExplicitNavigability=0;ShowShape=1;AllDockable=0;AdvancedElementProps=1;AdvancedFeatureProps=1;AdvancedConnectorProps=1;m\_bElementClassifier=1;SPT=1;ShowNotes=0;SuppressBrackets=0;SuppConnectorLabels=0;PrintPageHeadFoot=0;ShowAsList=0;"/>

<style2 value="ExcludeRTF=0;DocAll=0;HideQuals=0;AttPkg=1;ShowTests=0;ShowMaint=0;SuppressFOC=1;MatrixActive=0;SwimlanesActive=1;KanbanActive=0;MatrixLineWidth=1;MatrixLineClr=0;MatrixLocked=0;TConnectorNotation=UML 2.1;TExplicitNavigability=0;AdvancedElementProps=1;AdvancedFeatureProps=1;AdvancedConnectorProps=1;m\_bElementClassifier=1;SPT=1;MDGDgm=;STBLDgm=;ShowNotes=0;VisibleAttributeDetail=0;ShowOpRetType=1;SuppressBrackets=0;SuppConnectorLabels=0;PrintPageHeadFoot=0;ShowAsList=0;SuppressedCompartments=;Theme=:119;SaveTag=E493CBAD;"/>

<swimlanes value="locked=false;orientation=0;width=0;inbar=false;names=false;color=-1;bold=false;fcol=0;tcol=-1;ofCol=-1;ufCol=-1;hl=0;ufh=0;hh=0;cls=0;bw=0;hli=0;bro=0;SwimlaneFont=lfh:-10,lfw:0,lfi:0,lfu:0,lfs:0,lfface:Calibri,lfe:0,lfo:0,lfchar:1,lfop:0,lfcp:0,lfq:0,lfpf=0,lfWidth=0;"/>

<matrixitems value="locked=false;matrixactive=false;swimlanesactive=true;kanbanactive=false;width=1;clrLine=0;"/>

<extendedProperties/>

<elements>

<element geometry="Left=1140;Top=551;Right=1287;Bottom=631;" subject="EAID\_EAAC4305\_1147\_4752\_801A\_48B1BB977958" seqno="1" style="NSL=0;BFol=-1;LCol=-1;LWth=-1;fontsz=0;bold=0;italic=0;ul=0;charset=0;pitch=0;AttPro=0;AttPri=0;AttPub=0;AttPkg=0;OpPro=0;OpPri=0;OpPub=0;OpPkg=0;AttCustom=0;OpCustom=0;RzO=1;BCol=11796428;DUID=A237E1F5;"/>

<element geometry="Left=1170;Top=67;Right=1306;Bottom=147;" subject="EAID\_5E740584\_6743\_42da\_8CD0\_2E342F9A5FDE" seqno="2" style="NSL=0;BFol=-1;LCol=-1;LWth=-1;fontsz=0;bold=0;black=0;italic=0;ul=0;charset=0;pitch=0;AttPro=0;AttPri=0;AttPub=0;AttPkg=0;OpPro=0;OpPri=0;OpPub=0;OpPkg=0;AttCustom=0;OpCustom=0;PType=0;RzO=1;BCol=11796428;DUID=01982121;"/>

<element geometry="Left=844;Top=57;Right=1004;Bottom=155;" subject="EAID\_010EDCDA\_681B\_4d09\_87C1\_51E46F9A4183" seqno="3" style="DUID=1CFFCC26;BCol=12180223;"/>

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<element geometry="Left=724;Top=1024;Right=884;Bottom=1122;" subject="EAID\_CA1B7511\_F144\_4794\_BAF3\_9101009909EC" seqno="7" style="DUID=B34DE240;BCol=12180223;"/>

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<element geometry="Left=982;Top=340;Right=1136;Bottom=388;" subject="EAID\_32D42A37\_9927\_40ba\_9574\_098C2D75EC8A" seqno="11" style="DUID=C933F43D;HideIcon=0;"/>

<element geometry="Left=605;Top=262;Right=761;Bottom=310;" subject="EAID\_90F3D187\_2E95\_4f72\_A632\_0766559CFDD4" seqno="12" style="DUID=21579EA5;HideIcon=0;"/>

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<element geometry="SX=57;SY=-9;EX=-63;EY=-9;EDGE=2;$LLB=;LLT=;LMT=CX=95:CY=14:OX=0:OY=0:HDN=0:BLD=0:ITA=0:UND=0:CLR=-1:ALN=1:DIR=0:ROT=0;LMB=;LRT=;LRB=;IRHS=;ILHS=;Path=;" subject="EAID\_381F6780\_6D25\_464a\_8F9B\_7A96E5ECEA7B" style="Mode=3;EOID=01982121;SOID=1CFFCC26;Color=-1;LWidth=0;Hidden=0;"/>

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