Subject: [railML2] bridge type
Posted by Torben Brand on Thu, 03 Feb 2022 14:43:00 GMT
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To indicate the different types of bridges railML3 uses the element <underCrossing> and <overCrossing>. Both with constructionType="bridge".
<underCrossing> bridges beeing railway bridges (something crosses under the track). Example: https://en.wikipedia.org/wiki/Eglisau_railway_bridge#/media/File:Eisenbahnbruecke_Eglisau_01_09.jpg
<overCrossing> bridges beeing pedestrian or road bridges (something crosses over the track). Example:
https://en.wikipedia.org/wiki/Footbridge#/media/File:Tilak_N agar_Station,_Mumbai.jpg

In railML2 we only have the element <brigde> PS. don't mind the spelling ;-)
The norwegian railway sector suggests to indicate the type of bridge to use the railML3 inspired functional approach and use the values:
brigde@kind="under" for a railway bridge
brigde@kind="over" for a pedestrian overpass or road bridge.

The attribute @kind is of type string.

Subject: Re: [railML2] bridge type
Posted by christian.rahmig on Tue, 17 May 2022 10:48:45 GMT
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Dear Torben,

thank you very much for your proposal and ideas on harmonizing bridge model approaches in railML 2 and railML 3.

I appreciate the idea to define an enum attribute to distinguish between "overCrossing" and "underCrossing" as you already explained. This attribute should be named the same for both elements, the <brigde> and the <tunnel>. Since the attribute @kind in <tunnel> is used to define the material of the tunnel walls (which is important for calculating the tunnel resistance factor), the attribute @kind is maybe not the best option. But what about @functionalType to be added to <tunnel> and <brigde>?

I would like to invite the community to contribute their opinions to the discussion. Any feedback is highly appreciated...

Best regards
Christian Rahmig