
Subject: Re: [railML3] Modelling of bridges

Posted by [christian.rahmig](#) on Mon, 13 Jun 2022 21:07:04 GMT

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Dear Thomas,

in railML 3 a railway track crossing another railway track via a bridge can be modelled using the elements <overCrossing> and <underCrossing>. Assume that in the following example Track A passes over Track B (whereas A and B shall be the IDs of NetElements).

```
<overCrossing id="ocr1" constructionType="bridge">  
  <spotLocation netElementRef="B" ... />  
  <crossesElement type="railway" ref="A" ... />  
</overCrossing>
```

...

```
<underCrossing id="ucr1" constructionType="bridge">  
  <spotLocation netElementRef="A" ... />  
  <crossesElement type="railway" ref="B" ... />  
</underCrossing>
```

So, in summary: the bridge of a railway track over another railway track is modelled via two elements (one overCrossing and one underCrossing). What should be investigated in detail, is the question how both elements can be linked with each other. Let's put this topic on the agenda of a next Schematic Track Plan (SCTP) use case working group...

Best regards
Christian
