Subject: Need for crossing angles for under|overCrossings?
Posted by Mathias Vanden Auweele on Mon, 20 Apr 2026 13:09:25 GMT
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Hello community,

Related to this topic that deals with the problem of creating a schematic track layout when there area simple crossings: https://www.railml.org/forum/index.php?t=msg&th=1108

During the railML vs BaneNOR discussions, the question was raised whether the solution proposed for simple crossings is also necessary for under- or overCrossings that have a <crossesElement> child.

Typical examples would be a track running in a tunnel beneath another track, or a track on a bridge crossing over another track. From a schematic layout perspective, these situations are very similar to a simple crossing, even though they are separated vertically.

This raises the question whether the solution proposed for simple crossings should also be applicable (or explicitly available) for under- and overCrossings. I would be interested to hear whether others see a similar need, or if there are reasons to treat these cases differently.

Subject: Re: Need for crossing angles for under|overCrossings?
Posted by christian.rahmig on Fri, 01 May 2026 05:32:03 GMT
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Dear Mathias,

thank you for bringing up this topic and summarizing the related discussion from the BaneNOR workshop. The examples that you described sound reasonable to me and I am curious to see if there is more interest in this topic by the community.

In case of a decision for having this feature, a possible model implementation can be close to the solution with the simple crossing described in [1]. Instead of referencing to a <netElement>, it may be an option to reference the <crossesElement> child elements instead. But before we dive into details, let's hear what the community thinks... any feedback is highly appreciated :-)

[1] https://www.railml.org/forum/index.php?t=msg&th=1108&amp ;goto=3942&#msg_3942

Best regards
Christian

Subject: Re: Need for crossing angles for under|overCrossings?
Posted by Dominik Looser on Tue, 19 May 2026 13:02:14 GMT
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Dear Mathias,

Thank you for bringing this discussion into the forum.

I agree that we would benefit from such information for layouting purposes. A solution similar to simple crossings would be highly appreciated.

Best regards,
Dominik Looser
trafIT solutions gmbh