



Vehicle Tracking – Too close for comfort?

Many of you will know how to use Vehicle tracking to validate your designs, but every now and then you may come across a design that you see as being very tight to manoeuvre a vehicle around. Often you may be able to navigate your design vehicle around a site, but see the vehicle as being far too close to pathways, lamp columns or buildings.

If you see this as an issue while drawing, chances are in a real-life situation the driver of the vehicle will find it extremely difficult to avoid clashes on site.

Luckily for us, there is an option built in to vehicle tracking that allows us to create a boundary with a factor of safety.

As you can see in the image, the vehicle appears to make the turn, however, on this occasion I used two attempts to navigate the vehicle around the bend and still in the areas highlighted, the vehicle is very close to the designed locations of the lamp columns.

In a real-world situation this could be hazardous and I would be concerned that the designed road is too narrow for the intended vehicle.



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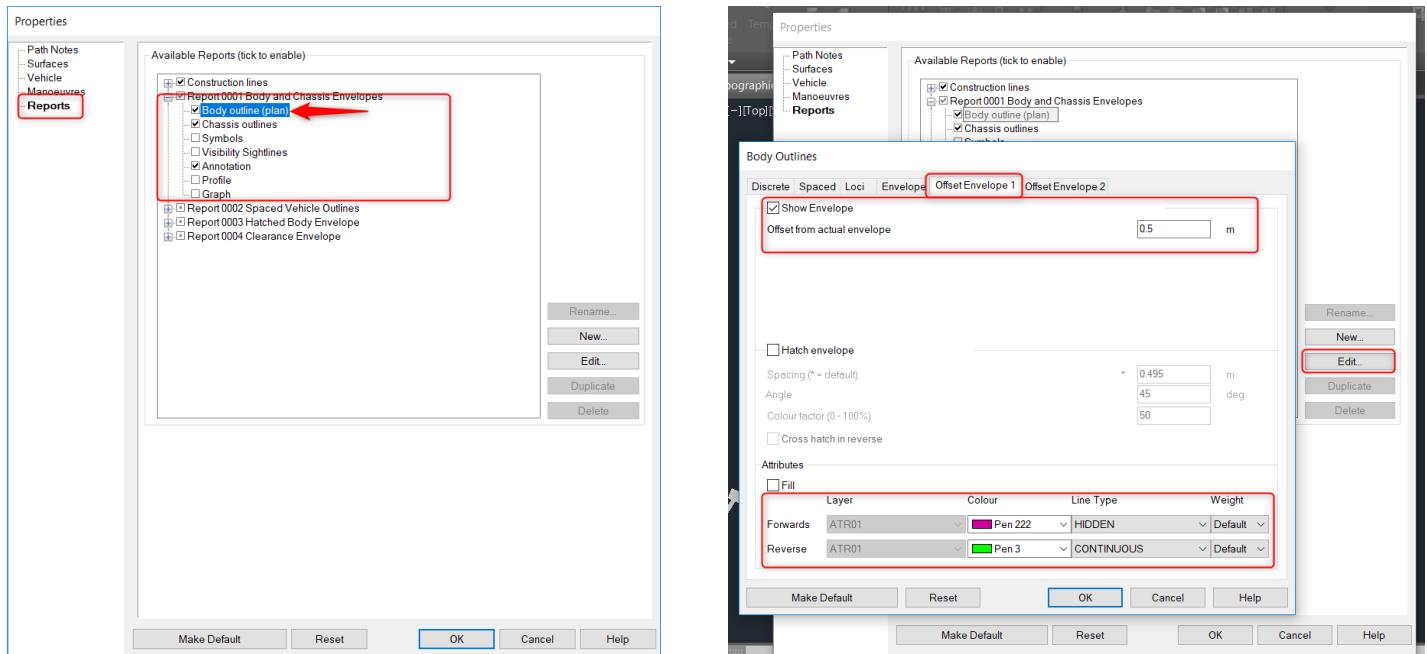


sales@cadline.co.uk

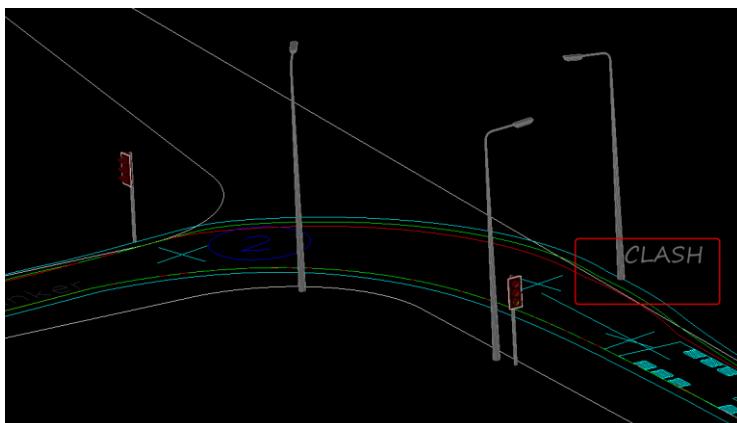
Fortunately, Autodesk has programmed in a way to show a factor of safety by way of a boundary around the vehicle.

Once you have created your swept path, select the path and browse to the Properties button shown on the contextual ribbons review tab.

The button highlighted will access a reports dialogue box, in here you can amend the visual styles of the swept path, you can access visibility sightlines, create envelopes for vertical clearance etc.



As you can see in the image below a boundary has now been created and we can now see that the design I was working to is too tight in a real-life situation to allow for driver error.



This allows a better assessment of a site and improves health and safety in the final design.

This is why Vehicle Tracking can be too close for comfort in certain situations, keep an eye open for more Technical White Papers and Videos on www.cadlinecommunity.co.uk



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