

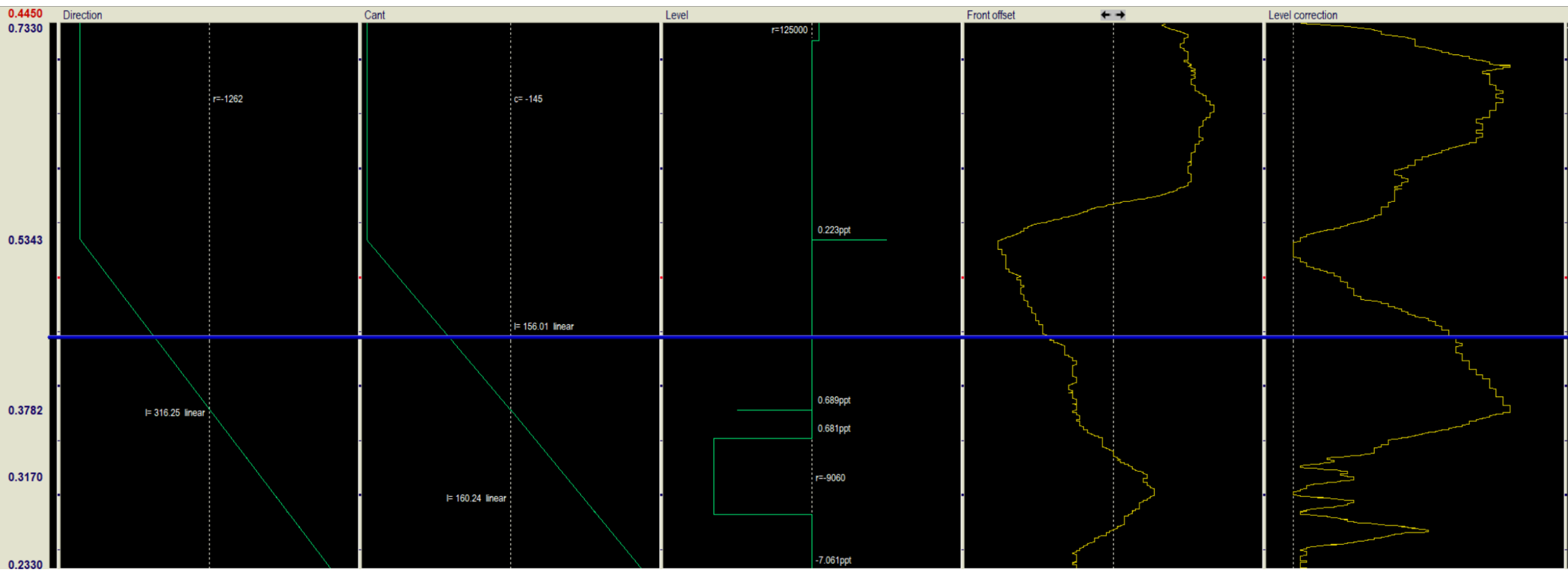


Tamper Designs

Tom Dalton
Assistant Route On Track Machine Engineer



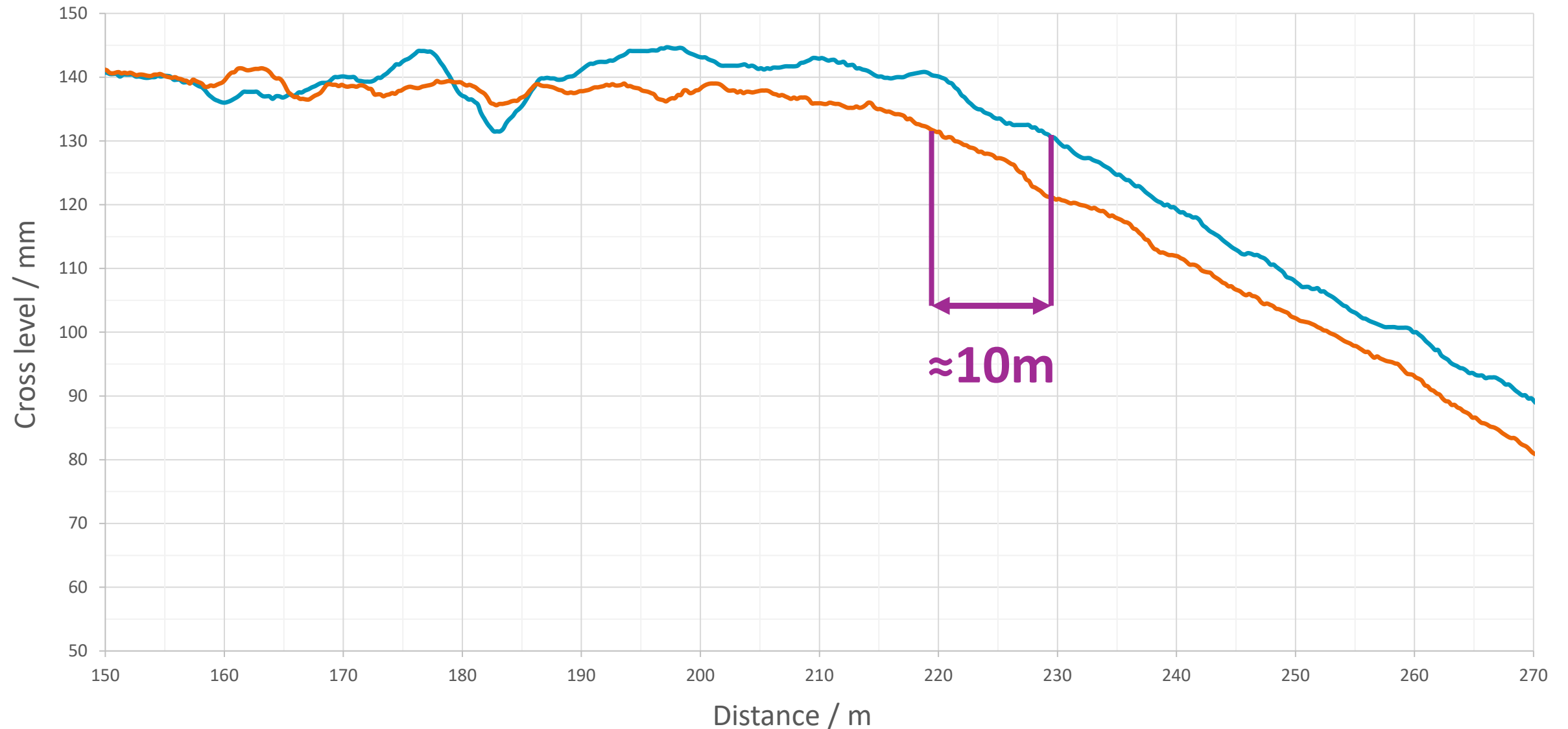
What is a tamper design?



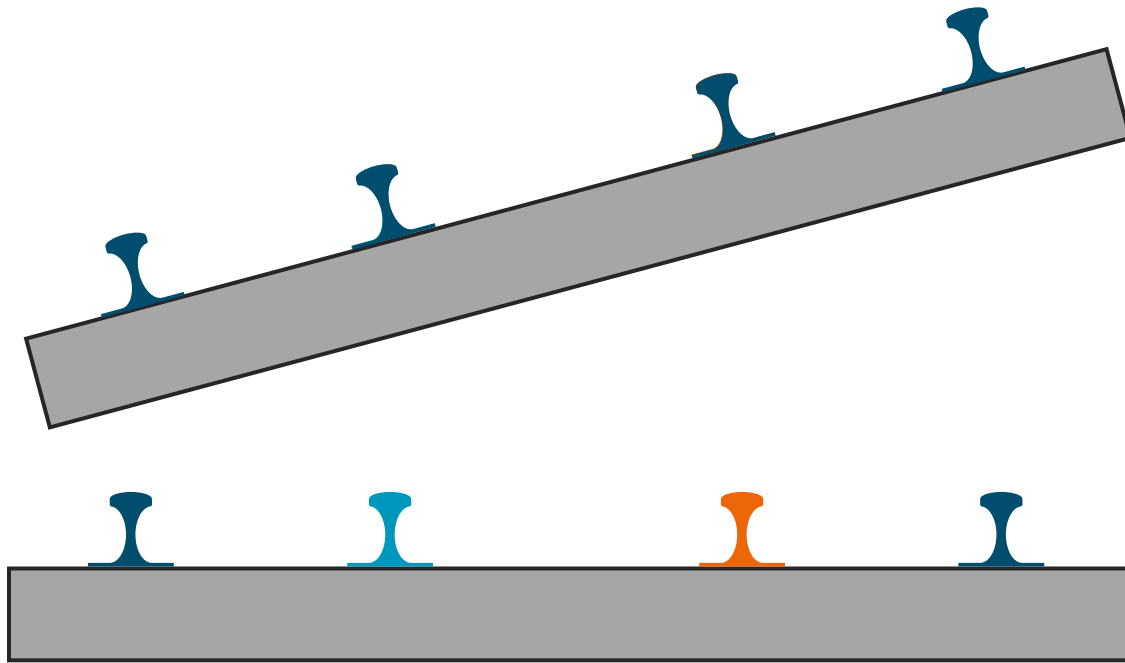
Designed shape of the track

How far the track is from the design

Why use a tamper design?

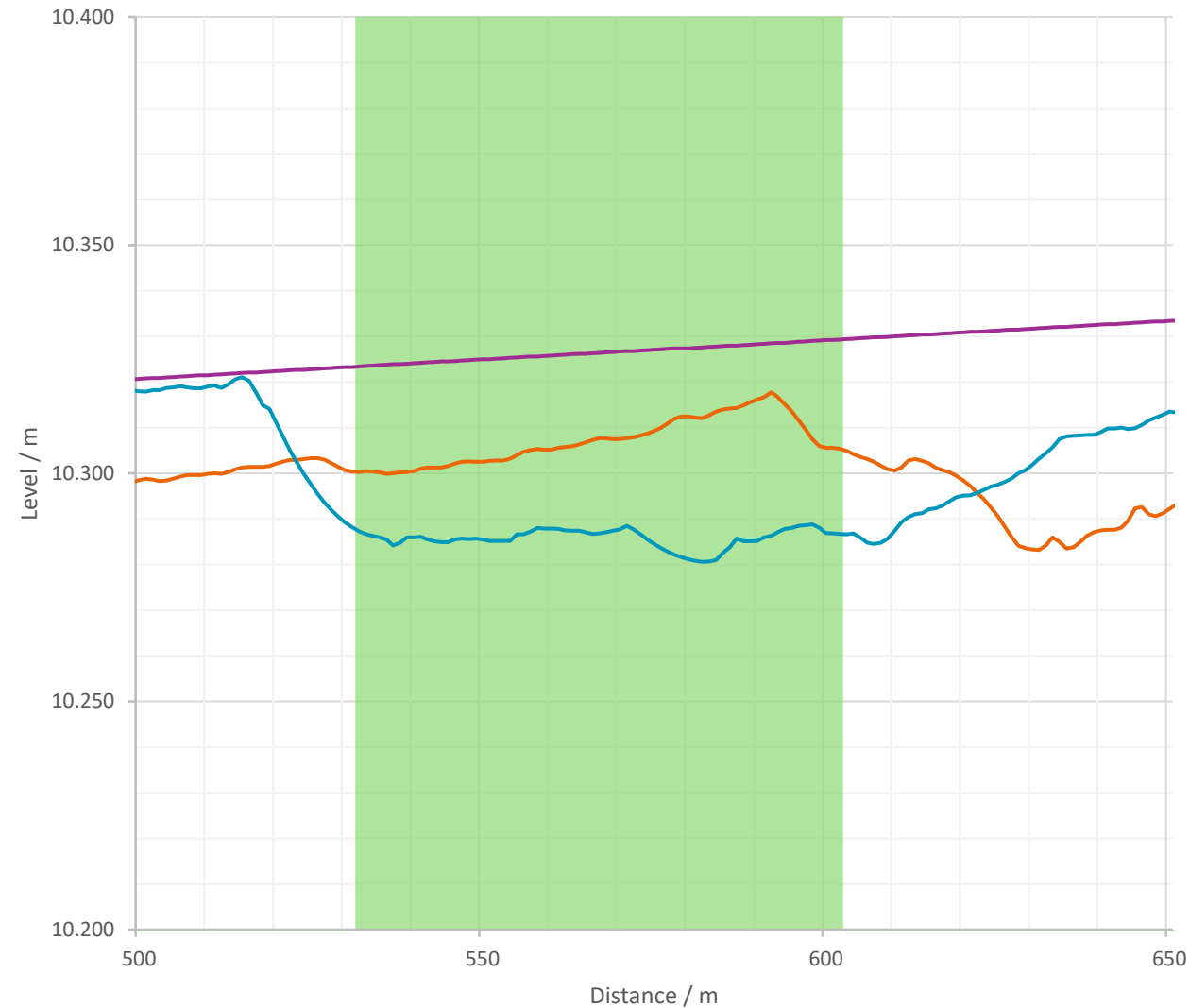


Why use a tamper design?

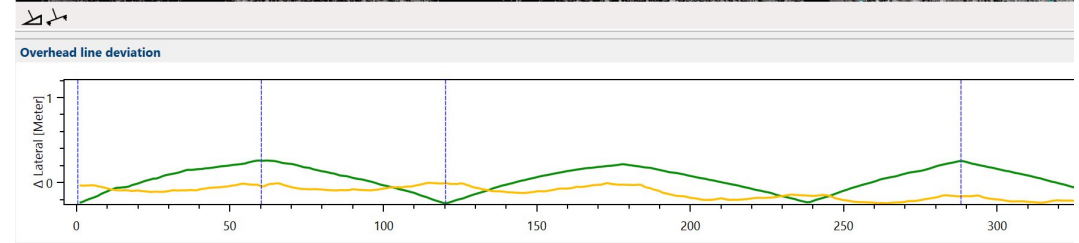
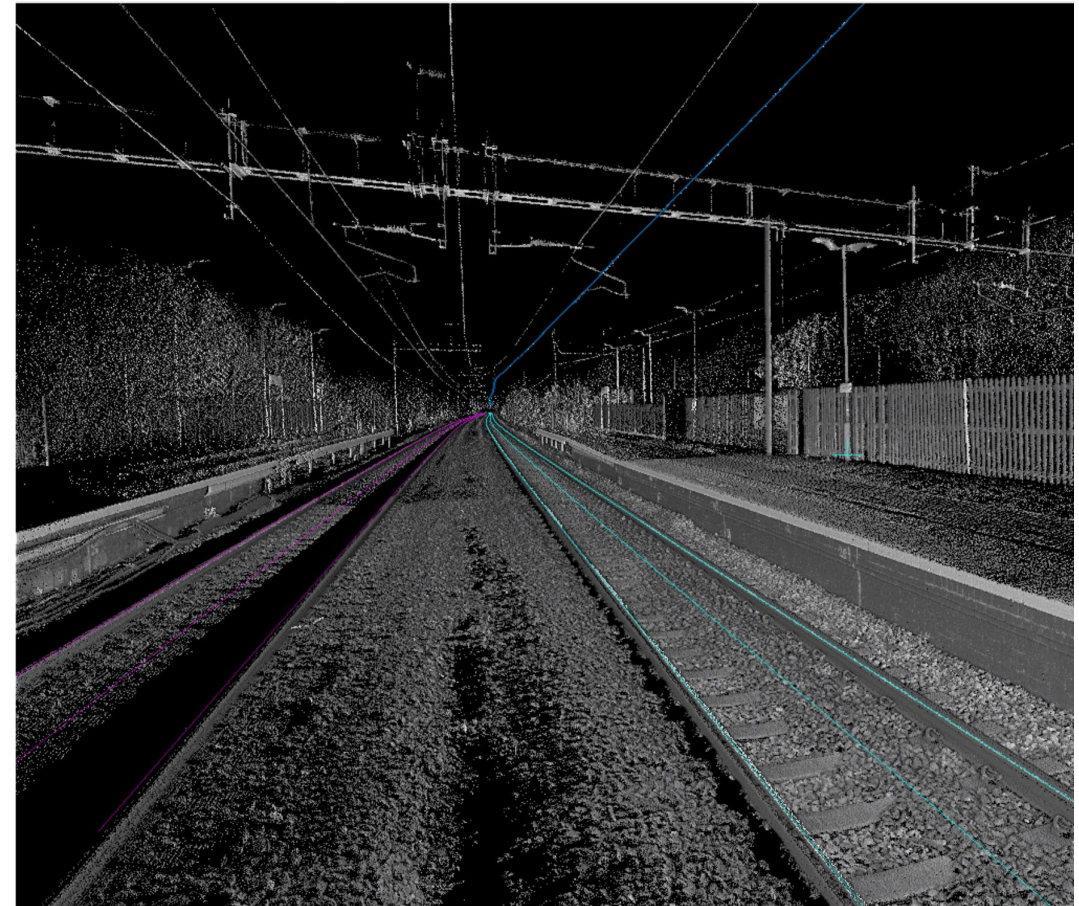
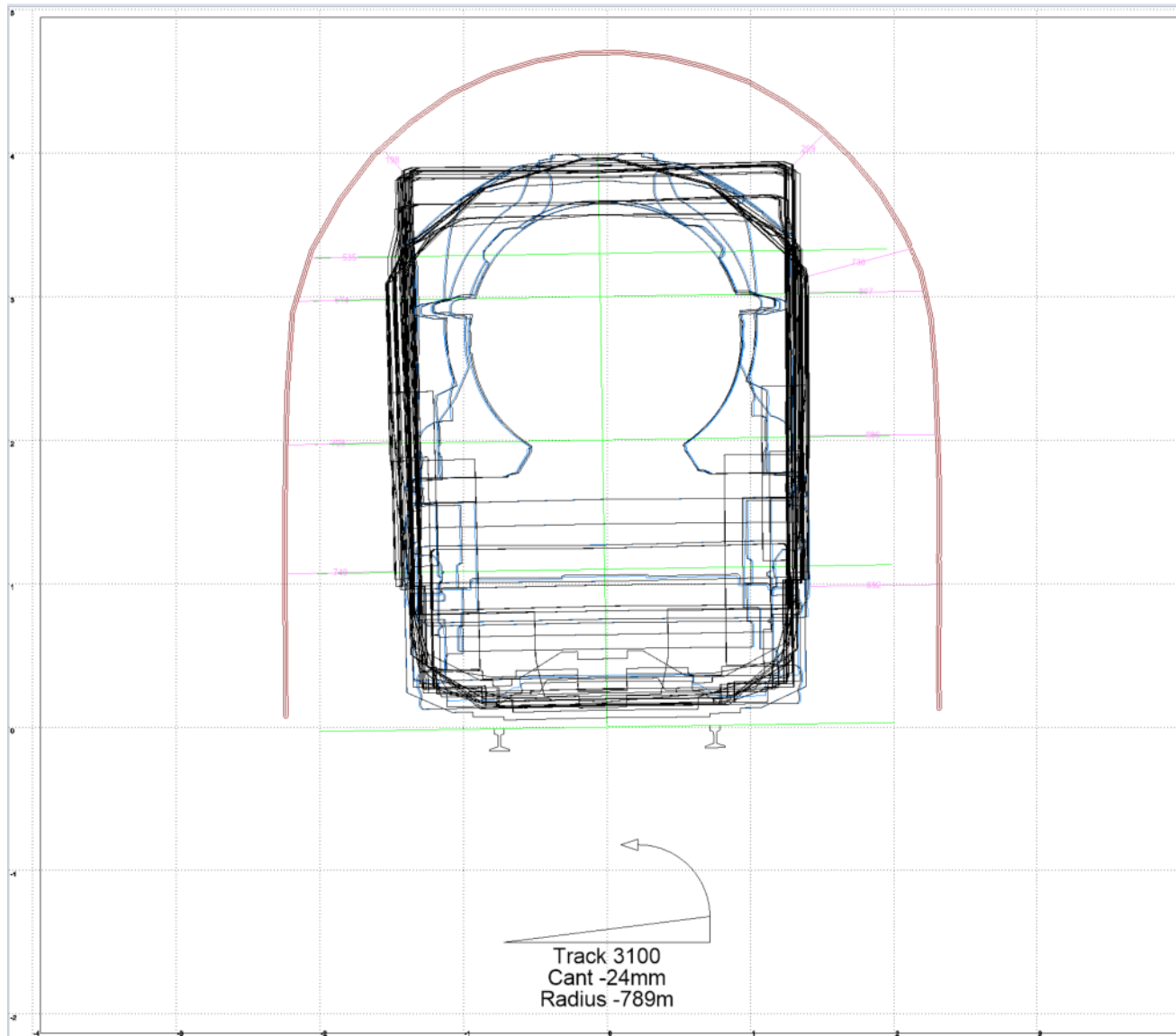


36-45mm
Lift

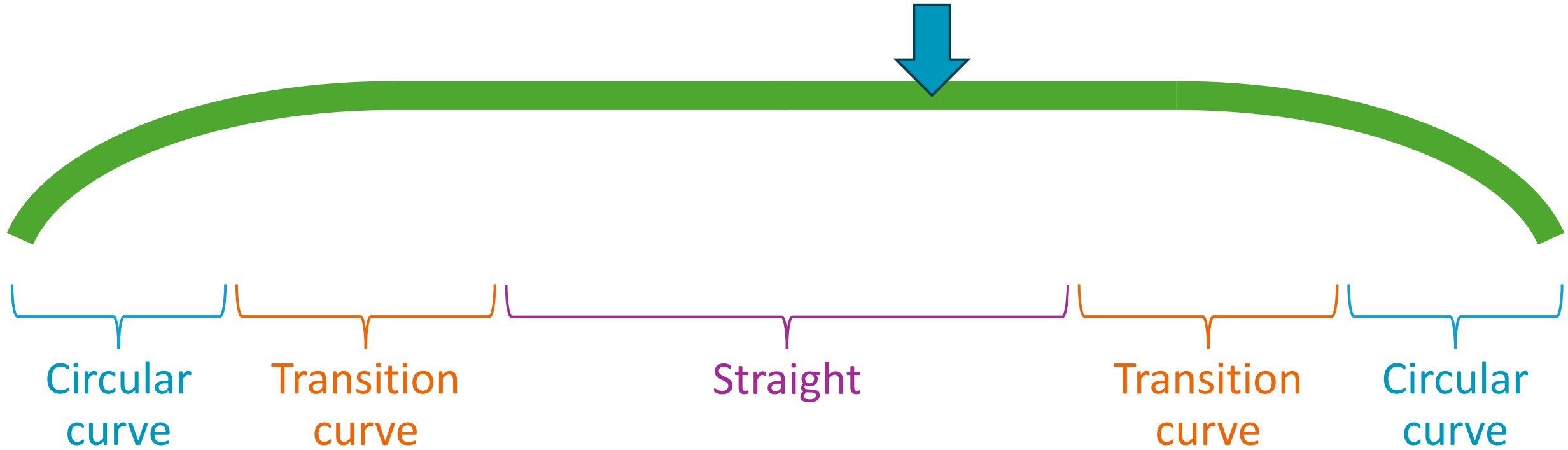
9-22mm
Lift



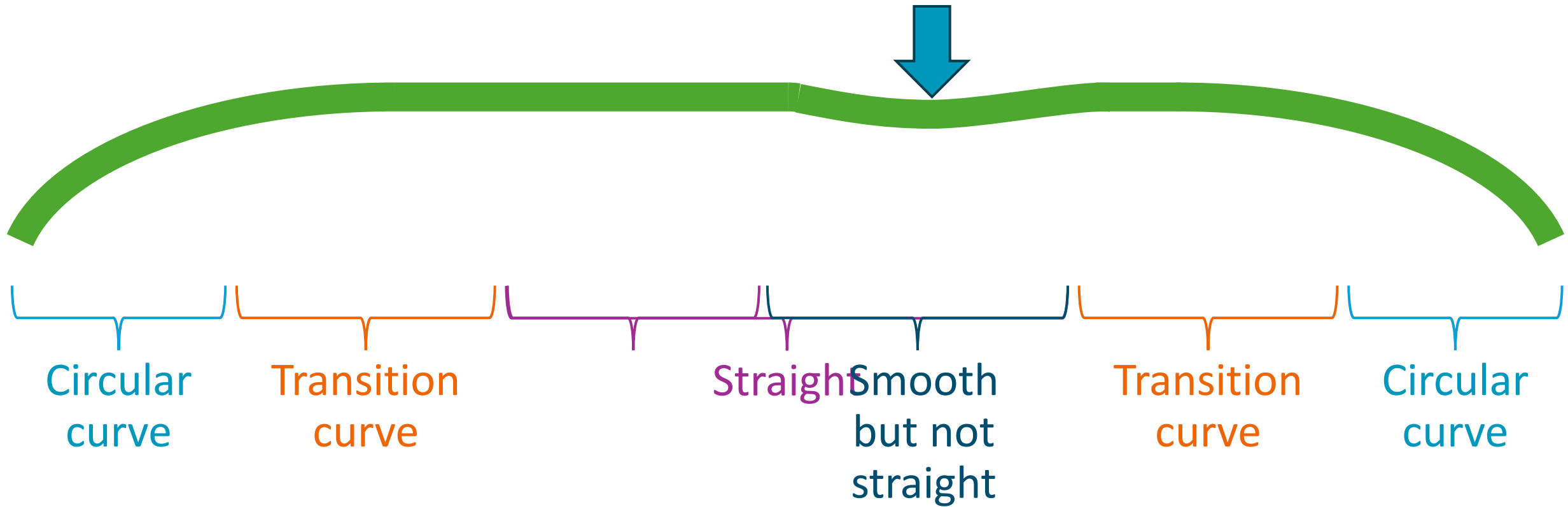
Why use a tamper design?



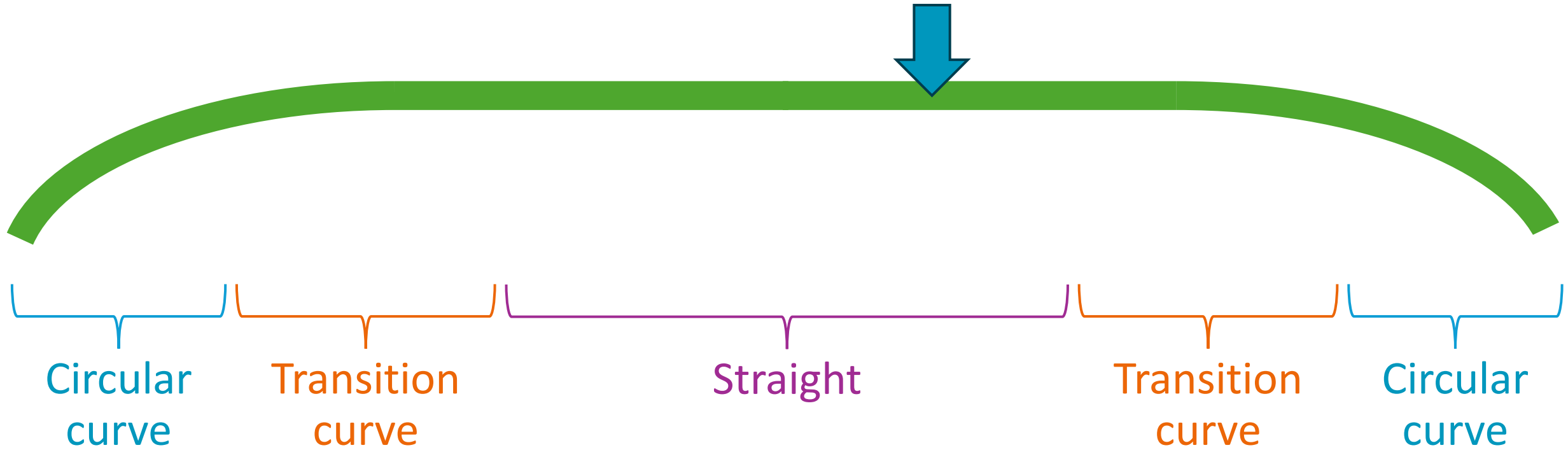
Why use a tamper design?



Why use a tamper design?



Why use a tamper design?



What results can be achieved?

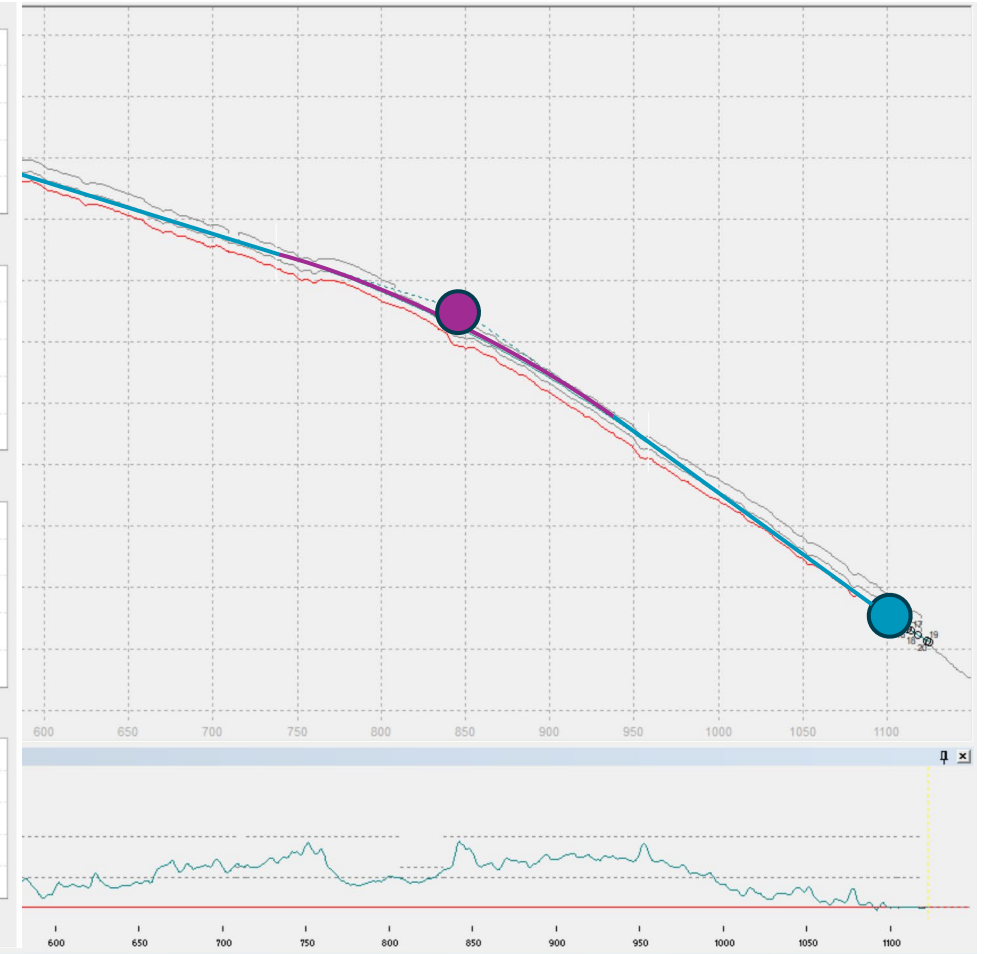
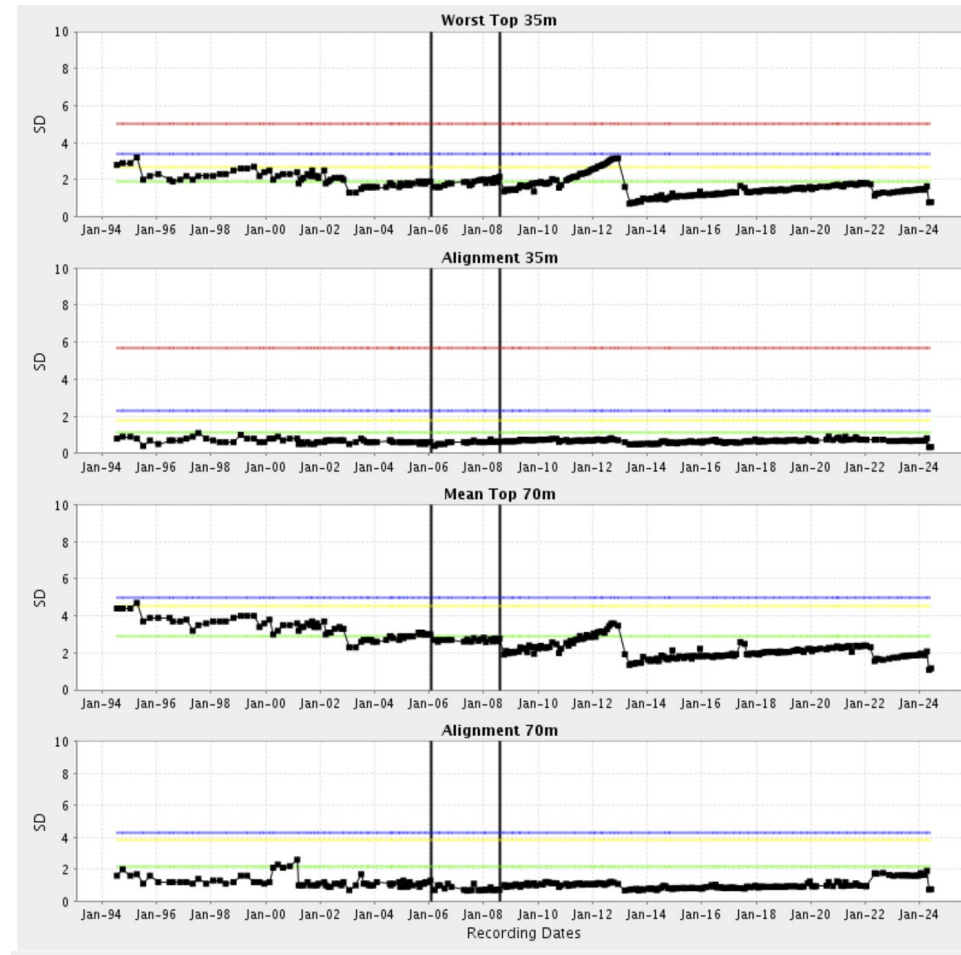
1066m (53ch) site

3x gradients

- 90m length
- 247m length
- 143m length

2x vertical curves

- 366m length
- 220m length

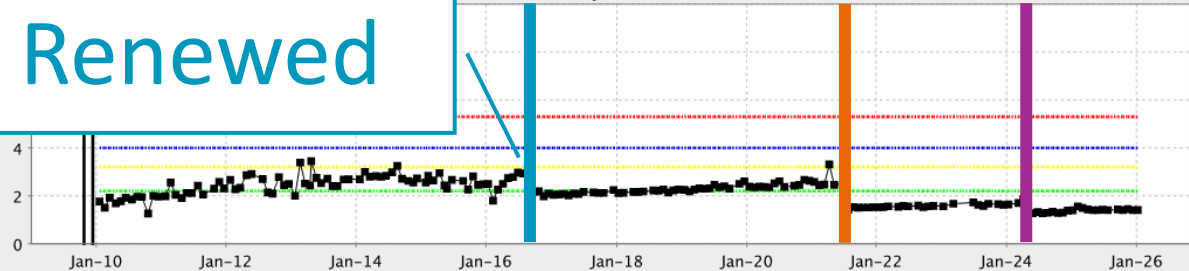


What results can be achieved?

WT35

Renewed

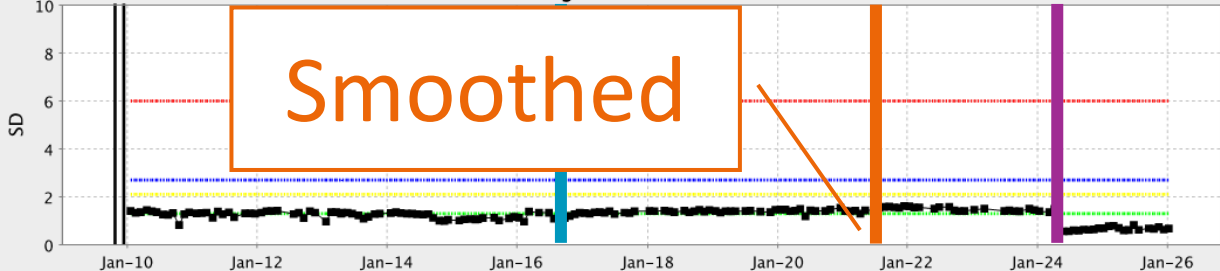
Worst Top 35m



AL35

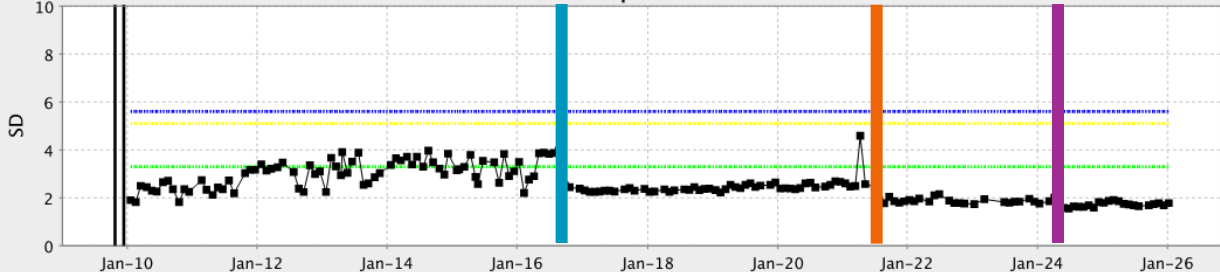
Smoothed

Alignment 35m



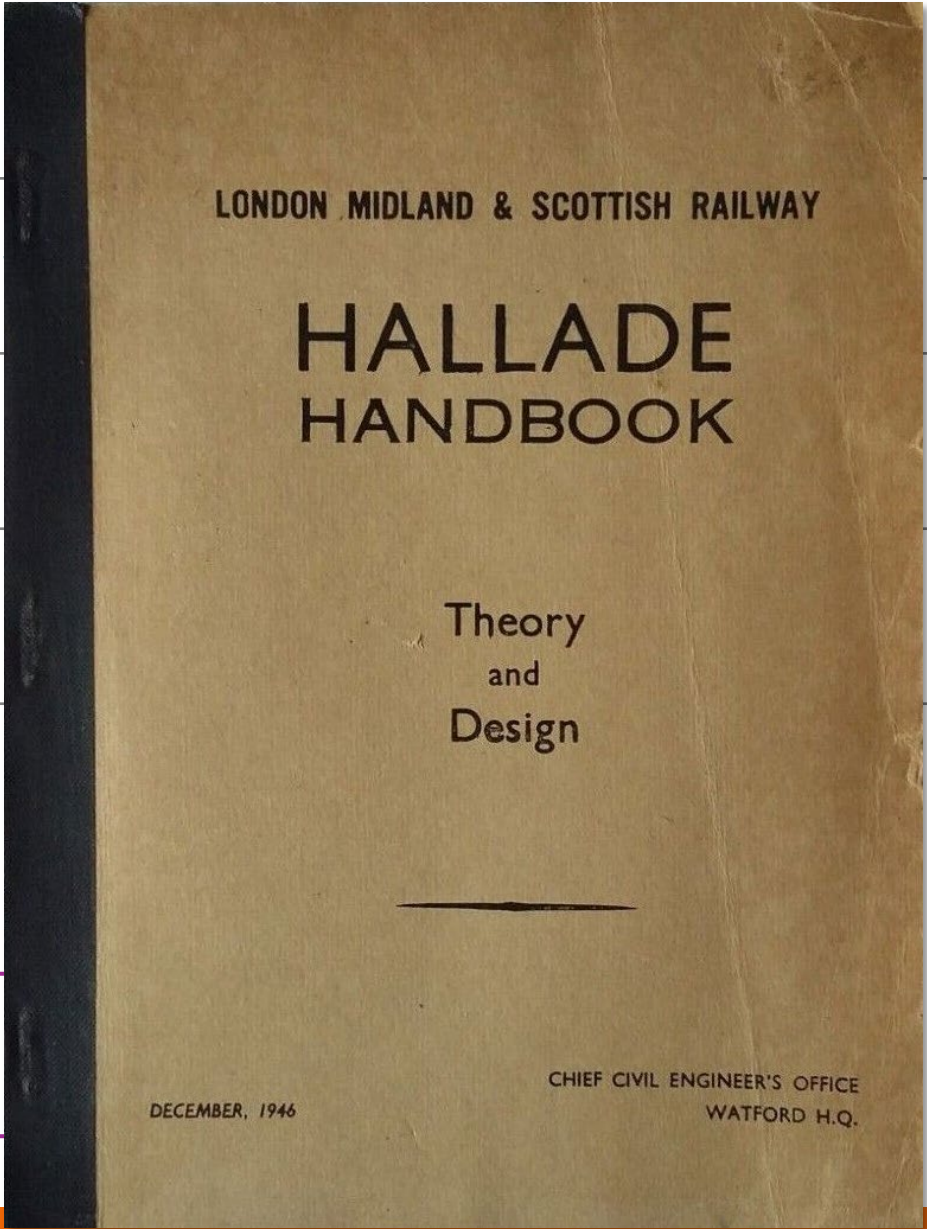
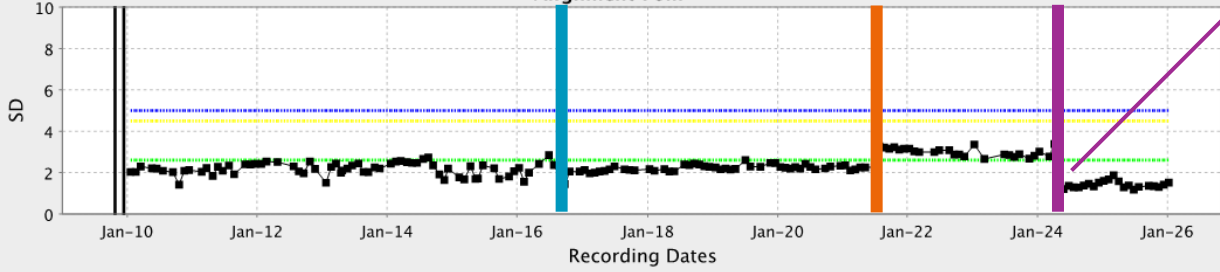
MT70

Mean Top 70m

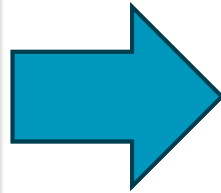


AL70

Alignment 70m



What results can be achieved?



Photos courtesy Liam Ody / Network Rail.