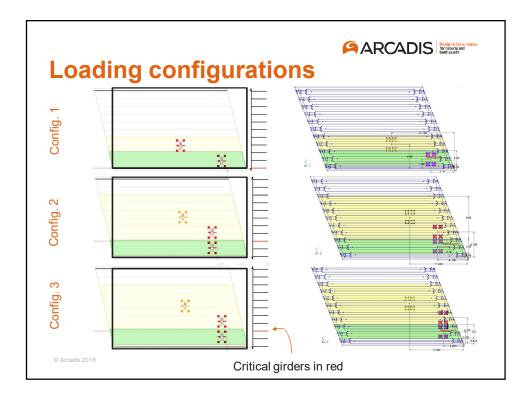
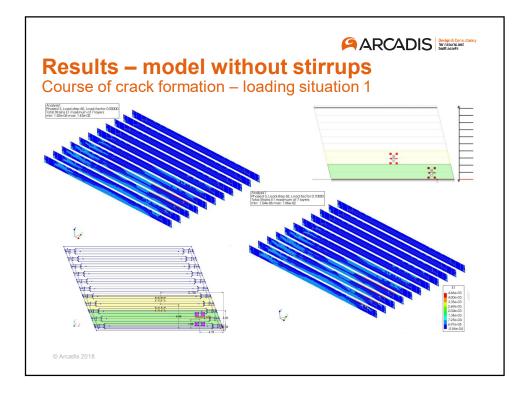
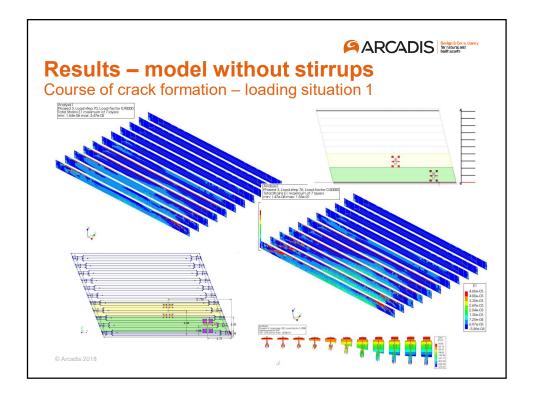


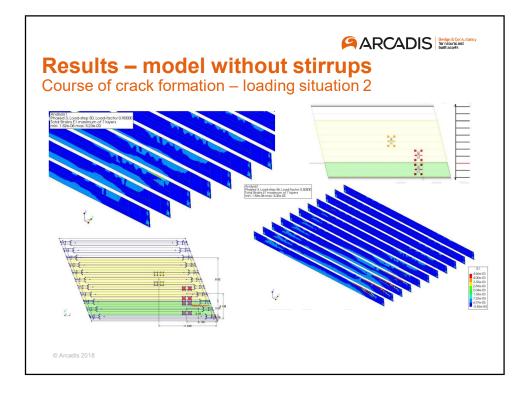


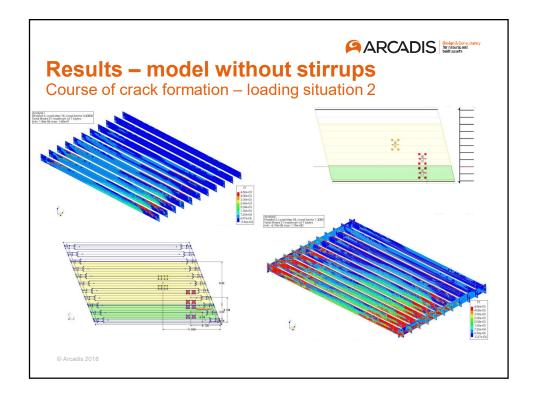
ARCADIS Resultance of the second control of
Quick Scan
Linear static calculations
Based on the calculated resistances, 3 critical loading configurations were determined – the bridge is deemed to fail in diagonal tension shear (loading situation 1 and 3) and flexural shear (loading situation 2)
□ The skewness of the bridge not taken into account in the Quick Scan!!!
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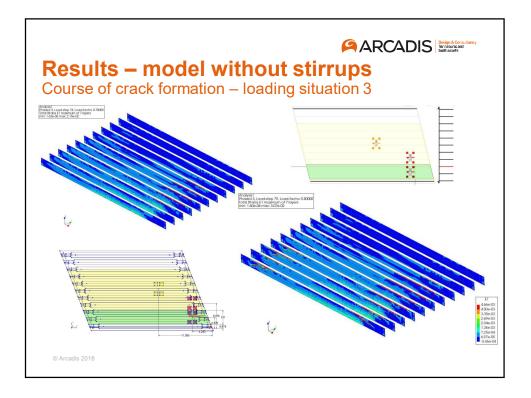


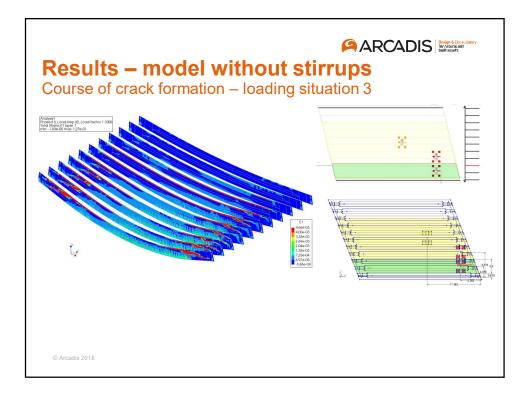


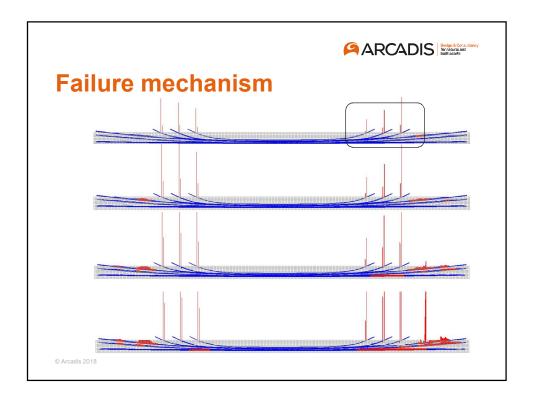


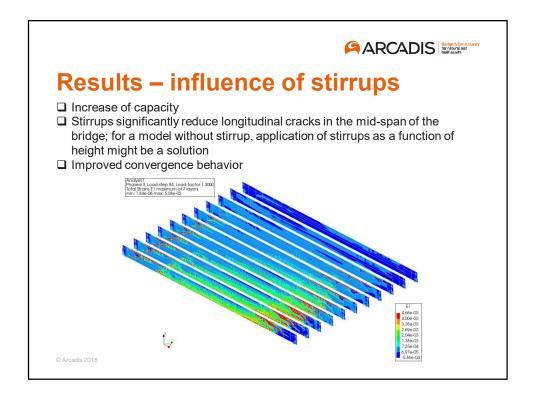














## ARCADIS Design & Consultancy for natural and built assets **Evaluation** □ All cases meet GRF limit state The obtained failure mechanisms are different than anticipated based on the information from Quick Scan Complex nature of crack formation In the current loading configurations, the axle systems are too close to the skew edge of the bridge which leads to an additional capacity as the result of direct force transfer to the support An additional re-evaluation with different loading configuration e.g. applied to the other side of the bridge or at the current locations but taking into account the skewness of the bridge © Arcadis 2018

