

The use of Mobile Laser Scanning complexes for precise determination of the geometrical steel beam gradient on rail bridges

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Key words: Laser scanning, Railway, geometry determination

SUMMARY

The Presentation shows a project of rebuilding sleepers on the basis of kinematic laserscanning on a frame bridge across the river Weser in the north of Germany. In the course of the presentation the classic method of tachymetric measurement and the 3D laserscanning are contrasted to each other with the advantages and handicaps of each method. In the following the laserscanning workflow and data analyzing is described in detail. In Conclusion the project shows, that kinematic laserscanning is a potential solution for modernizing sleepers.