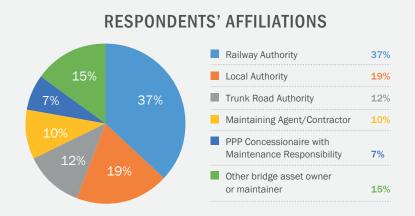


Design for Operation & Maintenance work-stream OVERVIEW OF SURVEY RESULTS

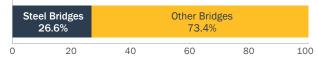
led by A. Hodgkinson - Hewson Consulting Engineers (andrew.hodgkinson@hewson-consulting.com)

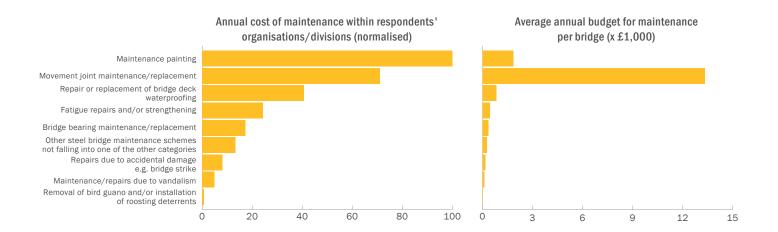
Recognising that the whole-life performance of a structure requires better consideration at the early stages of the design process, to consider whole-life costs and minimise the need for expensive maintenance interventions in later life, SCI's Steel Bridge Group conducted a survey in order to identify the main maintenance and access problems on steel bridges, and develop better guidance in the future. An overview of the analysis of the responses collected to date is provided below, and it is estimated that these account for about 30% of all UK bridges.



MAINTENANCE COSTS:

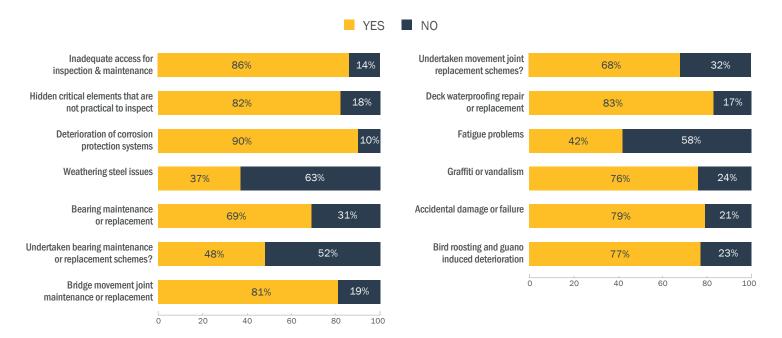
Average proportion of bridge maintenance budget dedicated to steel bridges within respondents' organisations/divisions





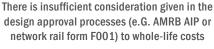
MAINTENANCE ISSUES:

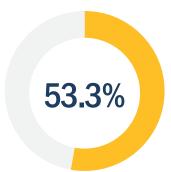
PERCENTAGE OF RESPONDENTS WHO EXPERIENCED THE FOLLOWING ISSUES ON STEEL BRIDGES:



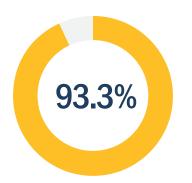
RESPONDENTS' OPINIONS:

PERCENTAGE OF RESPONDENTS WHO AGREE OR STRONGLY AGREE WITH THE FOLLOWING STATEMENTS:

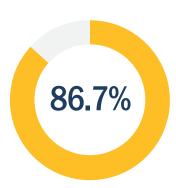




There should be a standard method for calculating the whole life cost of bridges that allows design options to be reliably compared



There is a need for more specific and detailed guidance on good practice in design for operation and maintenance of steel bridges



The Steel Bridge Group (SBG) is an active technical forum formed 20 years ago to consider matters of high priority interest to the steel bridge construction industry in the UK and to suggest strategies for improving the use of steel in bridgework. The detailed results of this recent survey on 'Design for Operation and Maintenance' will be used to inform and direct the SBG's roadmap for new steel bridge guidance and publications. For information on existing SBG Publications, please go to

https://steel-sci.com/sbg-publications.html.

For more information on the SBG, please contact Guillaume Vannier, Secretary for the SBG at SCI:

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