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Nota di contenuto	Collapse analysis of externally prestressed structures; Abstract; Contents at a Glance; Contents; Acknowledgements; Notation; 1 Introduction; 2 Behaviour of externally prestressed structures; 3 Collapse analysis; 4 Results; 5 Discussion of the results; 6 Conclusion and Recommendations; References; Codes of practice; Appendix
Sommario/riassunto	The use of external prestressing is becoming more popular throughout Europe due to their expected higher durability and the possibility of active maintenance of the prestressing cables. Questions have been raised about the behaviour of these structures beyond service loads.A comprehensive numerical analysis has been carried out comparing the behaviour of three different types of externally prestressed bridges to a conventionally internally prestressed bridge. The external types are a monolithically built bridge with external tendons, a monolithically built bridge with external tendons and