

# Hans Pétursson, Lic.Eng..



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**Education:** Luleå University of Technology, Luleå Sweden  
*Lic.Eng.* in Steel Structures, November 2000.  
*M.Sc.* in Civil Engineering, June 1993.

Hans Pétursson is a steel bridge specialist at the Swedish Transport Administration. His professional experience includes: bridge designer at the consultant firm Scandiaconsult, 1993-1999; project manager at SICOMP (Swedish Institute of Composites), 2001-2002; bridge designer at the consultant firm Ramböhl, 2003-2007, steel bridge engineer at Swedish Rail Administration 2008-2010 and steel bridge engineer at Swedish Transport Administration since 2010.

He works with all aspects regarding steel bridges at the Swedish Transport Administrations that owns more than 20 000 bridges among them 4000 railway bridges and approximately 4000 steel bridges. Hans have been researching bridges with integral abutments since 2000 and have designed four bridges with integral abutments in Sweden and is planning to take a Ph.D. degree during 2014. He participated in the European research project “Economic and Durable Design of Composite Bridges with Integral Abutments” and have published the following papers in the subject of integral abutment bridges:

- Pétursson H. and Collin P.*, Innovative solution for integral abutments, 10th Nordic Steel Construction Conference 2004, Copenhagen (2004) 349-359
- White H. 2nd, Pétursson H. and Collin P.*, Integral Abutment Bridges: The European Way, Practice Periodical on Structural Design and Construction, Vol. 15, No. 3, August 2010, pp. 201-208
- Pétursson H. and Kerokoski O.*, Monitoring and Analysis of Abutment-Soil Interaction of Two Integral Bridges, Journal of Bridge Engineering, Vol. 18, No. 1, January 2013, pp. 54-64
- Pétursson H., Collin P., Veljkovic M. and Andersson J.*, Monitoring of a Swedish integral bridge, Structural Engineering International, Volume 21, Number 2, May 2011, pp. 175-180
- Pétursson H., Möller M. and Collin P.*, Low-cycle fatigue strength of steel piles under bending, P.2013 in Structural Engineering International 23, 3, s. 278-284
- Hällmark R., Collin P., Pétursson H. and Johansson B.* (2007) Simulation of low-cycle fatigue in integral abutment piles. IABSE Symposium – Improving Infrastructure Worldwide, September 19-21, 2007, Weimar, Germany
- Collin P., Pétursson H. and Tornberg H.*, Broar med integrerade landfästena, 2005 i: V-byggaren: väg- och vattenbyggaren. 3, s. 45-49. 5 s. (In Swedish)
- Pétursson H., Eriksson K. and Collin P.*, Low-cycle fatigue of steel piles 2010 IABSE Symposium, Venice 2010: Large Structures and Infrastructures for Environmentally. International Association for Bridge and Structural Engineering (IABSE Reports; 97).
- Pétursson H. and Collin P.*, Composite bridges with integral abutments minimizing lifetime cost, IABSE Symposium Melbourne 2002 Towards a Better Built Environment, International Association for Bridge and Structural Engineering 9 s. (IABSE Reports; 86).
- Hällmark R., Collin P., Pétursson H. and Johansson B.* (2007) Simulation of low-cycle fatigue in integral abutment piles. IABSE Symposium – Improving Infrastructure Worldwide, September 19-21, 2007, Weimar, Germany