

Project title:	Richtlijnen Beoordeling Kunstwerken			
Project number:	InfraQuest-2011-04 (RBK Beton) / IQ 2012-01 (RBK Staal) / IQ 2012-37 (RBK Nat)			
Start date:	01 Augustus 2011	End date:	2014	
Project team:	<p>RBK Beton: G Dieteren (TNO), J Gijsbers (TNO), H Burggraaf (TNO), C van der Veen (TU Delft), H Sliedrecht (RWS), N Kostense (RWS), N Talsma (RWS), R de Meijer (RWS)</p> <p>RBK Staal: J Maljaars (TNO), H Steenberg (TNO), W van Kanten-Roos (TNO), H Kolstein (TU Delft), D Zoetemelk (RWS), H Leendertz (RWS), R Pijpers (TNO), F Bijlaard (TU Delft), F van Dooren (RWS)</p> <p>RBK Nat: G Dieteren (TNO), A Bigaj-van Viet (TNO), K-J Bakker (TNO), D-J Kiljan (RWS), J den Toom (RWS), L Abspool (TNO), R Pijpers (TNO), A van der Toorn (TU Delft). C Giezen (TNO)</p>			
Embedding in IQ-programme:	<p>The projects apply to the IQ Masterplan 'Droge Kunstwerk' (Onderzoeksthema Beoordeling bestaande kunstwerken) and "Natte Kunstwerken" (Onderzoeksthema Instandhouding bestaande kunstwerken).</p> <p>The RBK gives regulations for the assessment of existing structures which are based upon Rijkswaterstaat experience in practice (overview of needed adjustments of design regulations for assessments), research performed at TU Delft and TNO (IQ projects upon shear design for concrete, IQ project on fatigue design of steelstructures, Rijkswaterstaat Project Renovatie Bruggen e.o.) and an in depth knowledge of designcode backgrounds by TNO and TU Delft.</p> <p>The RBK will contribute to an optimized and uniform approach of the assessment of existing structures by engineering offices commissioned by Rijkswaterstaat.</p>			
Type of project:	<input type="checkbox"/> Fundamental concept	<input checked="" type="checkbox"/> Integration & development	<input checked="" type="checkbox"/> Evaluation of procedures	<input type="checkbox"/> Product-in-context / valorisation
Graphical abstract:				
Research questions:	<ul style="list-style-type: none"> • Which problems do occur will assessing existing structures? • How can design regulations be adjusted for specific Rijkswaterstaat structures in order to optimise calculations? • Which recommendations for further adjustment of design regulations for existing structures can be given? 			
Conclusions:	The project will result in additions on current design regulations for the assessment of existing structures. The additions can be applicable in general or be specific for certain construction types. The results of several other (IQ) research projects will be used as input/background for the regulations			
Other results:				
Dissemination:	<p>The project will be reported as Rijkswaterstaat Technisch Document RTD-document 1006:2012 "Richtlijnen Beoordeling Kunstwerken" – RBK.</p> <p>The backgrounds of the RBK will be given in several articles, lectures etc. (Cement Nr. 4-2012 / Bouwen met Staal nr. 229 / IABSE Conference 2013 / Betonvereniging – IQ Studiedag "Het nieuwe rekenen" / etc.)</p>			
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