



 Cass Hayward LLP	
NETWORK RAIL (Civil Engineering Standard Designs & Details) FORM B: CERTIFICATE OF DESIGN AND CHECKING (Page 1 of 5)	
Title of Scheme: Modular Overbridges (Eurocode Compliant)	

Standard Design Details for
MODULAR OVERBRIDGES

Form B: Certificate of Design and Checking

 Cass Hayward LLP	NETWORK RAIL (Civil Engineering Standard Designs & Details) (Page 2 of 5)	FORM B: CERTIFICATE OF DESIGN AND CHECKING	Title of Scheme: Modular Overbridges (Eurocode Compliant)
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I certify that reasonable professional skill and care have been used in the design of the Scheme (or part of Scheme) identified above, with the objective of ensuring that the design:

- (a) complies with the Approval in Principle recorded on Form A signed by Alan Dray on 21st September 2009, including associated comments by the Professional Head of Civil Engineering in giving endorsement;
- (b) complies with the design standards, codes and methods stated on the above Form A (including any stated deviations or dispensations), with the following amendments and/or additions:

- (c) is accurately described by the following drawings, schedules, performance, materials and workmanship specifications and other documents:

Drawings: dated August 2010

Number	Rev	Drawing title
NR/CIV/SD/2500	A	General Notes
NR/CIV/SD/2501	A	Cross Girder Layout for a Range of Spans
NR/CIV/SD/2502	A	Urban Option Cross Sections
NR/CIV/SD/2503	A	Rural All Purpose Option Cross Sections
NR/CIV/SD/2504	A	Accommodation Option Cross Sections
NR/CIV/SD/2505	A	Cross Girder Splice Details
NR/CIV/SD/2506	A	End Trimmer Details
NR/CIV/SD/2507	A	Trimmer Splice Details
NR/CIV/SD/2508	A	Shear Stud Layout and Weld Details Sheet 1 of 2
NR/CIV/SD/2509	A	Shear Stud Layout and Weld Details Sheet 2 of 2
NR/CIV/SD/2510	A	Alternative Longitudinal Deck Joint Detail
NR/CIV/SD/2511	A	Urban Option Plans, Elevations and Sections (Typical Example)
NR/CIV/SD/2512	A	Erection Scheme Layout for Rural All Purpose and Urban Options
NR/CIV/SD/2513	A	Erection Scheme Layout for Accommodation Option
NR/CIV/SD/2514	A	Bearing Schedule
NR/CIV/SD/2515	A	Typical Deck Reinforcement Details
NR/CIV/SD/2516	A	Reinforced Earth Abutment and Cill Details
NR/CIV/SD/2517	A	Reinforced Concrete Pad Foundations
NR/CIV/SD/2518	A	Vertical Alignment and Super-elevation Details
NR/CIV/SD/2519	A	Drainage Details and Service Duct Locations
NR/CIV/TUM/2500	A	Technical User Manual (TUM)