

|                                                                         |                    |                         |                          |
|-------------------------------------------------------------------------|--------------------|-------------------------|--------------------------|
| Title of Scheme: Standard Design & Detail Efficiency Project – Phase 2  |                    |                         |                          |
| Location Various locations across Network Rail Infrastructure (Various) |                    |                         |                          |
| ELR<br>Various                                                          | Mileage<br>Various | OS grid ref.<br>Various | Structure No.<br>Various |
| Document No. NR/CIV/SD/FORMB/285                                        |                    |                         | Revision P2              |

Part 1: Design

Design organisation: Tony Gee and Partners

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 Kim Teager on 11 May 2006, 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 departures or dispensations), with the following amendments and/or additions:  

Ciria Guide 637 – Soil Nailing Best Practice
- (c) is accurately described by the following drawings, schedules, performance, materials and workmanship specifications and other documents:

| Document No.        | Rev | Title                      |
|---------------------|-----|----------------------------|
| NR/CIV/SD/FORMA/285 | P1  | Rock Bolts – Form A        |
| NR/CIV/SD/ 285      | P3  | Rock Bolts                 |
| Form B – Appendix A | P2  | Designer's Check Statement |

|                                                                                                                           |                    |
|---------------------------------------------------------------------------------------------------------------------------|--------------------|
| Signed Nigel A. Yarwood                                                                                                   | Title Director     |
| Name (Print) N.G.A.Yarwood                                                                                                | Date 4 August 2006 |
| To be signed by the Designer or other person authorised to sign on behalf of the organisation responsible for the Design. |                    |

I certify that the staff who have prepared the above Design are competent to carry out their duties and that they have used reasonable professional skill and care.

|                                                                                                                                                               |                    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| Signed Nigel A. Yarwood                                                                                                                                       | Title Director     |
| Name (Print) N.G.A.Yarwood                                                                                                                                    | Date 4 August 2006 |
| To be signed by the Director or other person authorised to sign on behalf of the organisation responsible for the Design to whom the Designer is responsible. |                    |

|                                  |         |                                                                |               |
|----------------------------------|---------|----------------------------------------------------------------|---------------|
| Title of Scheme:                 |         | Standard Design & Detail Efficiency Project – Phase 2          |               |
| Location                         |         | Various locations across Network Rail Infrastructure (Various) |               |
| ELR                              | Mileage | OS grid ref.                                                   | Structure No. |
| Various                          | Various | Various                                                        | Various       |
| Document No. NR/CIV/SD/FORMB/285 |         |                                                                | Revision P2   |

Part 2: Check                      Checking organisation: Tony Gee and Partners

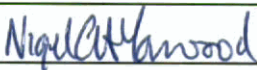
I certify that reasonable professional skill and care have been used in checking the Design of the Scheme (or part of Scheme) identified in Part 1 of this certificate, with the objective of ensuring that the Design:

- (a) complies with the Approval in Principle recorded on Form A signed by Kim Teager on 11 May 2006, 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 amendments and/or additions (if any) stated in Part 1 of this certificate: The justification given for these amendments and/or additions is acceptable.

I confirm that the Design was checked as Design Check category II and that the Design Check has been carried out with the independence specified in NR/SP/CIV/003 (formerly RT/CE/S/003).

|                                                                                                                                |                                                                                     |       |                    |
|--------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------|--------------------|
| Signed                                                                                                                         |  | Title | Principal Engineer |
| Name (Print)                                                                                                                   | Mike Francescon                                                                     | Date  | 7/08/2006.         |
| To be signed by the Checker or other person authorised to sign on behalf of the organisation responsible for the Design Check. |                                                                                     |       |                    |

I certify that the staff who have completed the above check are competent to carry out their duties and that they have used reasonable professional skill and care.

|                                                                                                                                                                    |                                                                                     |       |                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------|----------------|
| Signed                                                                                                                                                             |  | Title | Director       |
| Name (Print)                                                                                                                                                       | N. G. A. Yarwood                                                                    | Date  | 4 August 2006. |
| To be signed by the Director or other person authorised to sign on behalf of the organisation responsible for the Design Check to whom the Checker is responsible. |                                                                                     |       |                |

(Note: for categories I and II the signature above may be the same as that in Part 1.)