

NRA DMRB - Update Alert

The March 2013 updates to the NRA DMRB are as follows:

NRA DESIGN MANUAL FOR ROADS AND BRIDGES

Document	DMRB Part	Title	Nature of Document
0.0.B	0.0.B	NRA Volume Contents and Alpha-Numeric Index to the NRA DMRB	Amended index
NRA GD 1	0.1.1	Introduction to the NRA Design Manual for Roads and Bridges	Amended standard
NRA GD 100	0.3.1	Departures from Standards and Specification	Amended standard
NRA GD 101	0.3.2	Preparation and Delivery Requirements for As- Built Records	New NRA Standard
NRA BD 52	2.3.3	The Design of Road Bridge Parapets	Amended standard
NRA TD 19	2.2.8A	Safety Barrier	Amended standard
NRA TA 85	6.1.3	Guidelines on Minor Improvements to National Roads	Amended advice note
NRA TA 70	6.3.3	The Location and Layout of Service Areas	Amended advice note

A summary of the changes in amended documents is contained within each individual document.

Summary of March 2013 Amendments

The March 2013 updates to the NRA MCDRW are as set out in the table below:

Document	Description of Changes
NRA SD 1 Introduction to the NRA Manual of Contract Documents for Road Works	NRA SD 1 is updated in March 2013 to correctly refer to NRA GD 100 document, published as part of the NRA Design Manual for Roads and Bridges also in March 2013.
NRA SD 2 Volume Contents to the NRA Manual of Contract Documents for Road Works	NRA SD 2 is updated in March 2013 to refer to the correct date for all updated parts of the NRA MCDRW.
Series 000 Introduction	Series 000 is updated in March 2013 with the issue of the following revised documents; Volume 1 – Specification for Road Works, Series 000; and Volume 2 – Notes for Guidance to the Specification for Road Works, Series NG 000. The revisions of particular note are; <ol style="list-style-type: none"> 1. Change to Clause 004 reference date for Standards or other reference documents incorporated into the Contract from <i>‘invitation to tender’</i> to <i>‘10 working days prior to the tender returns date or, if applicable, the extended tender returns date’</i>. 2. Change in the Preamble to the Specification to include reference to the NRA Standards website as means to control reference standards. 3. Reformatting of documentation to single column format.
Series 100 Preliminaries	Series 100 is updated in March 2013 with the issue of the following revised documents; Volume 2 – Notes for Guidance to the Specification for Road Works, Series NG 100. The revisions of particular note are; <ol style="list-style-type: none"> 1. Changes to Clause NG 105 and Table NG 1/1 to accommodate updates to Series 600 and 800 (described further below). 2. Reformatting of documentation to single column format.

Document	Description of Changes
Series 400 Road Restraint Systems	<p>Series 400 is updated in March 2013 with the issue of the following revised documents;</p> <p>Volume 1 Specification for Road Works, Series 400; Volume 2 Notes for Guidance to the Specification for Road Works, Series NG 400; Volume 3 Section 1 – Method of Measurement for Road Works Chapter IV, Series 400; and Volume 3 Section 2 – Notes for Guidance on the Method of Measurement for Road Works Chapter IV, Series 400</p> <p>The revisions of particular note are;</p> <ol style="list-style-type: none"> 1. Retitling of Series 400 to Road Restraint Systems, which is as a result of combining Series 2200 Parapets into the previous version of Series 400 titled Safety Barriers and Pedestrian Guardrails; 2. Revision of Series 400 Road Restraint Systems to accommodate a merging of Series 2200 Parapets into the previous version of Series 400 Safety Barriers and Pedestrian Guardrails; 3. References have been updated to IS EN 1317, particularly in relation to CE Marking and associated requirements. 4. Reformatting of documentation to single column format.
Series 600 Earthworks	<p>Series 600 is updated in March 2013 with the issue of the following revised documents;</p> <p>Volume 1 Specification for Road Works, Series 600; Volume 2 Notes for Guidance to the Specification for Road Works, Series NG 600; Volume 3 Section 1 – Method of Measurement for Road Works Chapter IV, Series 600; Volume 3 Section 2 – Notes for Guidance on the Method of Measurement for Road Works Chapter IV, Series 600; and Volume 4 Road Construction Details, Series 600, RCD/600/03 to RCD/600/10 inclusive.</p> <p>The revisions of particular note are;</p> <ol style="list-style-type: none"> 1. Changes have been made under Clause 601 in relation to unacceptable material, lime and cement improvements, recycled aggregates and sulfate attack requirements; 2. Changes have been made under Clause 602 in relation to disposal of material in tips; 3. Changes have been made under Clause 603 in relation to rock cuttings; 4. Changes have been made under Clause 607 in relation to additional blasting requirements; 5. Changes have been made under Clause 608 in relation to additional requirements for fill construction;

Document	Description of Changes
<p>Series 600 Earthworks (Continued)</p>	<ol style="list-style-type: none"> 6. Changes have been made under Clause 609 in relation to additional requirements for geotextiles; 7. Changes have been made under Clause 613 in relation to additional requirements for capping; 8. Clause 614 and 641 have been brought into use for Lime and Cement Improvement to Form General Fill, implementing a wide range of requirements; 9. An additional requirement has been added to Clause 616 in relation to protection of formation from water infiltration and weather effects; 10. Changes have been made under Clause 623 in relation to additional requirements for earthworks for corrugated steel buried structures; 11. Changes have been made under Clause 624 in relation to additional requirements for ground anchorages; 12. Changes have been made under Clause 625 in relation to additional requirements for ground anchorages; 13. Clause 625 has been expanded for crib walling, implementing a wide range of requirements; 14. Changes have been made under Clause 626 in relation to additional requirements for gabions; 15. Changes have been made under Clause 631 in relation to additional requirements for earthworks material tests; 16. Under Clause 635, additional requirements have been added for testing of cohesive materials, and the reference to the 10% fines test value has been replaced by reference to the Los Angeles Coefficient value. 17. Clause 643 have been brought into use to identify requirements for determination of sulphate content where necessary 18. A wide range of changes have been introduced to Tables 6/1, 6/2 and 6/3, particularly in respect of material defined as argillaceous in accordance with Clause 601.5; 19. A wide range of changes have been introduced to the Series 600 parts of Tables NG 1/1, particularly in respect of material defined as argillaceous in accordance with Clause 601.5; 20. A number of new RCDs have been introduced to compliment the changes made in the other volumes of Series 600; 21. Reformatting of documentation to single column format.

Document	Description of Changes
<p>Series 800 Road Pavements, Unbound and Cement Bound Mixtures</p>	<p>Series 800 is updated in March 2013 with the issue of the following revised documents;</p> <p>Volume 1 Specification for Road Works, Series 800; and Volume 2 Notes for Guidance to the Specification for Road Works, Series NG 800.</p> <p>The revisions of particular note are;</p> <ol style="list-style-type: none"> 1. Changes have been made under Clause 808, 809 and 820 in relation sulfate attack requirements; 2. Changes have been introduced to Tables 8/3, in respect of aggregate properties; 3. A number of changes have been introduced to the Series 800 parts of Tables NG 1/1, that complement the above changes; and 4. Reformatting of documentation to single column format.
<p>Series 1000 Road Pavements, Concrete Materials</p>	<p>Series 1000 is updated in March 2013 with the issue of the following revised documents;</p> <p>Volume 1 Specification for Road Works, Series 1000</p> <p>The revisions of particular note are;</p> <ol style="list-style-type: none"> 1. Changes to the requirements for Clause 1001 Strength Classes of Concrete and Constituent Materials for Pavement Layers in relation to Portland limestone cements CEM II/A-L and CEM II/A-LL; and 2. Reformatting of documentation to single column format.