

31 July, 2023

Ref: 11226171/KENHA/CTB/14

**Director (Policy, Strategy and Compliance)  
Kenyan National Highways Authority (KeNHA)  
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Off Airport South Road, along Mazao Road  
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[dpsc@kenha.co.ke](mailto:dpsc@kenha.co.ke)

**Att: Eng. James Njuguna Gatitu**

**Project: Provision of consultancy services for the review and updating of the road design manuals and standard specifications**

**Contract: KENHA/PCS/342/2021**

**Subject: Submission of Deliverable No. D8 – Second Draft Manuals and SRBC (Revision 3)**

Dear Sir,

This letter is to present to you with **Deliverable No. D8 – Second Draft Manuals and SRBC (Revision 3)** in line with the deliverables in Section 5.1 of the Terms of Reference under the above-captioned contract.

The list of the documents making up the submission is given overleaf and these can be downloaded from the following link: [5. Second Draft Manuals Rev 3](#)

Alternatively, or in case to difficulties to access the site, guidance can be requested by email from [w.mohamed@trl.co.uk](mailto:w.mohamed@trl.co.uk).

Yours sincerely,

*CTBopoto*

**Charles T. Bopoto**

Project Director/Team Leader

cc.

1. Chief Engineer (Roads) – Att. Eng. J.M. Kungu  
Ministry of Transport, Infrastructure, Housing, Urban Development & Public Works
2. Chief Engineer (Materials) – Att. Eng. S.K. Kogi  
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**List of Deliverable D8 Documents Submitted:**

**1. Project Appraisal Manual:**

Vol	Manual Title	Part/ Code
4	Road Safety Audits	PAM 4

**2. Road Design Manual:**

Vol	Manual Title	Part Name	Part/ Code
1	Road Design Manual: Vol. 1 Geometric Design	Part 1: Topographic Survey	RDM 1.1
		Part 2: Traffic Surveys	RDM 1.2
		Part 3: Geometric Design for Highways, Rural and Urban Roads	RDM 1.3
2	Road Design Manual: Vol. 2 Hydrology and Drainage Design	Part 1: Hydrological Surveys	RDM 2.1
		Part 2: Drainage Design	RDM 2.2
3	Road Design Manual: Vol. 3 - Materials and Pavement Design for New Roads	Part 1 – Alignment Surveys and Material Prospecting	RDM 3.1
		Part 2 – Materials Field and Laboratory Testing	RDM 3.2
		Part 3 – Traffic Assessment and Materials Utilisation Design	RDM 3.3
		Part 4 – Flexible Pavement Design	RDM 3.4
		Part 5 – Rigid Pavement Design	RDM 3.5
4	Road Design Manual: Vol. 4 Bridges and Retaining Structures Design	Part 1: Bridge and Culvert Design	RDM 4.1
5	Road Design Manual: Vol. 5 – Pavement Maintenance, Rehabilitation and Overlay Design	Part 1 – Pavement Condition Survey	RDM 5.1
		Part 2 – Pavement Maintenance, Rehabilitation and Overlay Design	RDM 5.2
6	Road Design Manual: Vol. 6 Traffic Control Facilities and Communication Systems Design	Part 1: Road Marking	RDM 6.1
		Part 2: Traffic Signs	RDM 6.2
		Part 3: Traffic Signals and Communication Systems	RDM 6.3
		Part 4: Other Traffic Control Devices	RDM 6.4

**3. Works and Services Contracts Manual:**

Vol	Manual Title	Part/ Code
2	Standard Specification for Road and Bridge Construction	WSCM 2
3	Bills of Quantities (incl in Vol 2 in the Interim)	WSCM 3
4	Standard/Typical Drawings	WSCM 4