



The Ministry of Works and Transport, Tanzania



Tanzania Transportation Technology Transfer Centre



Tanzania Roads Association (TARA)



International Road Federation
Fédération Routière Internationale
Federación Internacional de Carreteras

Regional Seminar and Course on Road Asset Management for Senior Executives and Decision Makers;

Arusha International Conference Centre (AICC), Arusha, Tanzania, 7th - 12th June 2021

Course and Seminar Announcement

Introduction

The Tanzania Roads Association (TARA) which is also a National Committee of the World Road Association for Tanzania in collaboration with the Tanzania Transportation Technology Transfer (TanT²) Centre and TANROADS under the Ministry of Works and Transport in Tanzania, Tanzania Rural and Urban Roads Agency (TARURA), the International Road Federation (IRF) Geneva, the World Road Association (PIARC) and other local and international institutions is organising a 5 days **Course on Road Asset Management for Senior Executives** to be held at Arusha International Conference Centre (AICC), Arusha, Tanzania from 7th - 11th June 2021 followed by a 1 day **Regional Seminar on Road Asset Management for Decision Makers** to be held at the same venue AICC, Arusha, Tanzania on 12th June 2021.

Road Asset Management is a strategic approach to managing road transportation infrastructure assets. The Regional Seminar and Course on Road Asset Management is highly desirable at this juncture, especially in developing countries such as countries in Sub-Saharan Africa where budget and other resources are more acute. Road agencies, municipal councils and other local governments continue to face an increasing challenge of preserving and renewing road networks and other civil infrastructure assets while ensuring sustainable, safe and efficient civil infrastructure assets. A key aspect of managing these civil infrastructure assets is related to the need for agencies to keep a comprehensive inventory of assets (such as pavements, bridges & structures, right of way lands, road signs, road furniture, etc.) to readily track work activities, periodic inspections, condition assessments and activity-based costs. More important is the need to better carry out comprehensive prioritization and trade-off analysis to decide between investing on preservation/ expansion of one type of asset vs. another and/or operating expenditures vs. capital outlays to achieve the highest possible return on investment on every investment allocation across diverse domains of assets over very long-term view of assets' lifecycle.

Recent research has demonstrated that road agencies need to be proactive rather than reactive in managing the road assets. With a robust planning system in place, both new roads and rehabilitation work can be planned and implemented to ensure maximum value for money for the entire portfolio of assets. This will eliminate *managing the backlog* from year to year. Also, incorporation of asset preservation at the strategic level (agency-wide) planning has been proven to achieve better assets at reduced long-term life-cycle costs while giving road users efficient transportation system, reducing vehicle operating costs and travel times, etc.

Venue for Course & Seminar: Arusha International Conference Centre (AICC), Arusha, Tanzania.

Regional Seminar on Road Asset Management for Decision Makers

Seminar Objectives:

The primary objectives of the seminar are to share experience and best practices on Road Asset Management.

Target Audience:

The Regional Seminar on Road Asset Management is expected to be attended by about 50 delegates targeting decision-makers, Chief Executive Officers, executive directors, managers and senior technical staffs in engineering practices and other road sector institutions such as road agencies/authorities, municipal/district councils, road design consultants, contractors, manufacturers & distributors, and academia.

Course on Road Asset Management for Senior Executives

Course Overview: This course offers a total of 40 hours [over five days] professional and practical oriented training. This course focuses on the concepts of road asset management systems and is custom tailored for CEOs, executive directors, assistant directors, Managers and senior staffs in the broad practice of managing road assets. The first 2 days will focus on seminar style for decision-makers. Subsequently, the course will offer more practical technical examples (and/or case studies) will be drawn from data from actual road agencies case studies to support assimilation of the concepts. However, the materials and the underlying concepts will be generic enough to be of benefits to all participants inclusive of technical and non-technical specialists.

The course among other things, introduces the concepts of strategic management for road networks and optimisation of capital and maintenance works. The training course also deals with optimization and trade-off analyses to answer questions such where to spend available funds to ensure the maximum best condition of roads or best value for money. The course will explore scientifically justified techniques for developing agency-wide (network-wide) strategic plans and achievable performance targets to allow objective periodic monitoring of progress, etc. The course will also deal with the trade-off between preservation of existing road infrastructure versus needs to build new ones (i.e., how should the road agencies (or municipal/district councils) objectively decide between maintenance vs. capital works). Also, extensive coverage will be given to the best practices from other agencies on the value of proactive preservation strategies. Each participant will receive training materials.

Outcomes: Upon completion of the course, participants will be able to:

- i) Understand the fundamentals of road asset management systems (RAMS);
- ii) Appreciate why using road asset management is important to a road agency;
- iii) Visualize how the framework and principles of road asset management fit into the business processes of a road agency (or district/municipal council);
- iv) Carry out a self-assessment to benchmark the maturity of asset-management in their agency;
- v) Develop road-asset-management goals and objectives for their Road Agency;
- vi) Develop a basic understanding of related technical concepts such as long-term planning and performance based planning;

- vii) Acquire understanding of priority planning, budgeting; trade-off analyses between preservation vs. capital expansion; and various strategies across asset types.
- viii) Learn best practices of maintenance and preservation strategies for road assets;
- ix) Understand the role of, and key elements of Performance Measurement, and monitoring & evaluation (M&E);
- x) Appreciate the basic requirements for implementing and mainstreaming asset management for a Road Authority (or municipal council); and
- xi) Acquire an overview of supporting technologies for road asset management.

Target Audience: The Course on Road Asset Management is specifically designed for decision-makers, CEOs, executive directors, managers and senior technical staffs in engineering practices and other road sector institutions. It is intended for persons who typically have the responsibility for decision-making in one or more areas addressed by transportation asset management. The introduction modules at the beginning of the course will provide a good overview of asset management that is suitable for senior executives. It is recommended that executive directors (CEOs) and agency top management attend the first two days (as a minimum) to appreciate the basics and importance of road asset management system. Good understanding of the motivation and principles of RAMS will build awareness and the necessary “buy-in” needed prior to planning any implementation steps. Participants should represent a number of organizational units, including (but not limited to) planning, project engineering (e.g., design & construction engineers), maintenance engineers, procurement specialists, financial management staff, and information technology. The course is also intended for individuals who manage or provide critical information to senior managers, or who have direct responsibility for M&E or sector reporting, e.g., on roads performance indicators.

Language: English
Class Size: 50 participants

Accreditation and Certification of the Course and Seminar:

The Regional Seminar and Course on Road Asset Management has a formal assessment component, which must be passed to achieve certification. Delegates attending the **Regional Seminar on Road Asset Management for Decision Makers** and those completing the **Course on Road Asset Management for Senior Executives** will receive an IRF Continuous Professional Development (CPD) Certificate of Attendance recognised by the Engineers Registration Board of Tanzania. Also, the Regional Seminar and Course is accredited with the Engineers Registration Board of Tanzania. Any registered engineer who will attend this course for 5 days consecutively as scheduled, is eligible to earn a total of **30 Professional Development Units (PDUs)** in his/her Continuous Professional Development (CPD) Programme.

Exhibitions and Sponsorships

Parallel with the Course and Regional Seminar on Road Asset Management, there will be an **exhibition** of products, equipment, technologies, and services relevant to the Seminar Theme and to the road sub-sector in general. **The exhibition will take place from 7th - 12th June 2021.** The exhibition offers institutions and firms an outstanding opportunity to promote their technologies, products and services as well as speaking directly to potential customers. Institutions and firms can also gain additional exposure through the variety of **promotional opportunities for sponsors.** Firms, institutions or individuals wishing to participate in the exhibitions and or sponsor the Regional Seminar and Course on Road Asset Management for Senior Executives and Decision Makers are requested to **fill and submit the attached exhibition space booking form** and submit by email **latest by 15th May 2021** to the Secretary of the Organising Committee at email: info@tara.or.tz; with a copy to hbishanga@yahoo.com and aaawadh@yahoo.com; Mobile Phone; +255 754362157 or +255 713336987.

Registration: Registration fee for participation in the **Regional Seminar on Road Asset Management for Decision Makers** is Tanzania Shillings **360,000/=** for local participants and **USD 200** for foreign participants to cover costs of attendance to the seminar, seminar materials, a certificate of attendance, lunch and refreshments during the seminar. Registration fee for attending the **Course on Road Asset Management for Senior Executives** is Tanzania Shillings **1,800,000/=** for local participants and **USD 1000** for foreign participants to cover costs of tuition, training materials, a certificate of training, lunch and refreshments during the course. The registration fee does *not* include travel and or accommodation. Registration fee for participation in the **Exhibitions** at the Course and Regional Seminar on Road Asset Management for Senior Executives and Decision Makers is Tanzania Shillings **3,000,000/=** for local exhibitors and **USD 2,000** for foreign exhibitors.

Individuals, firms and institutions interested in participating and exhibiting at the seminar and course are requested to **fill and submit the registration form online** at <https://tara.or.tz/regional-seminar-and-course-road-asset-management-senior-executives-and-decision-makers> or complete and email the attached registration form and return it to the Tanzania Roads Association (TARA) at info@tara.or.tz; with a copy to the Secretary of the Organising Committee at hbishanga@yahoo.com and aaawadh@yahoo.com; Mobile Phone; +255 754362157 or +255 713336987. **Confirmation will be made upon receiving payments.** The deadline for paying is **15th May 2021.**

Mode of Payment: It is advised for payment of registration fees for participation and exhibition at the seminar and courses to be made by Bank Transfer to the Tanzania Roads Association Account as follows: -

Account Name: **TARA Projects Account**
 Account Number: **0150 360 676 301**
 Bank Name: **CRDB Bank PLC**
 Branch Name: **Msasani**
 Swift Code: **CORUTZTZ**
 Bank Contact: Msasani Tower, Off Kimweri Drive, Dar es Salaam, Tanzania; Tel: +255 22 2923344; Fax: +255 22 2923345

Resource Persons for the Seminar and Courses:

The Lead Resource Person for the Seminar and Course is Prof. Donath Mrawira, Ph.D., P.Eng., a renowned international expert in road asset management systems.



Other subject-matter experts of international reputation made available by the International Road Federation (IRF), 4M Global Inc. of Canada and other transport resource institutions worldwide will make presentations at the seminar and instruct the course.

For more information please visit TARA Website at: <https://tara.or.tz/> or contact:
The Honorary Secretary, Tanzania Roads Association (TARA) Tel. +255 754362157 or +255 713336987,
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