



SOUTH AFRICAN ROAD FEDERATION

will present a two day course on

Bridge and Culvert Inspector Visual Assessments and Introduction to Bridge Management (COTO Structures Subcommittee Approved Course)

PRESENTERS

Dr. Paul Nordengen – HVTech Africa
Michael Roux – CSIR Smart Mobility
Peter Fenton - eThekweni Municipality

**Tuesday 18th – Wednesday 19th
May 2021**

Gauteng

**Delegates can claim
2 ECSA CPD points**

**16 CPD Hours
Allocated**



The South African Council for the Project and Construction Management Professions

COURSE DESCRIPTION

This accredited course is aimed at all that are actively involved in bridge management from client bodies to consulting engineer personnel that have to do bridge or culvert inspections. The course is based on the TMH19 DER method for bridge and culvert inspections, which is used by national, provincial, and municipal authorities. The DER system of inspections is the compulsory inspection method to be used by all road authorities if they wish to access Treasury funding for maintenance of road structures. The course is open to all, but specifically aimed at those who want to do bridge and culvert inspections for state road authorities.

The course is also essential to those working in road authorities who manage a BMS or administer consultants that do bridge and culvert inspections for their authority.

Attendance of this course and passing the exam is one of the requirements of the Committee of Transport Officials' (COTO) Structures Subcommittee to be accredited as a bridge or culvert inspector. All the requirements for accreditation as a bridge or culvert inspector are contained in TMH19 Part A, which can be downloaded from SANRAL's website using the following link:

<https://www.nra.co.za/technical-methods-for-highways/>

Please note that attendance of this course and passing the exam only does not result in accreditation, as candidates have to apply separately for accreditation and proof that they have the requisite qualifications, experience and meet all the requirements.

ECSA and SACPAMP CPD attendance certificates will however be issued to those who have attended the course.

The course will cover:

- Introduction to Bridge Management
- The DER rating system
- Typical defects on structures
- Case studies
- Site visit and practical bridge inspection

A set of notes, including the COTO publication, TMH19 MANUAL FOR THE VISUAL ASSESSMENT OF ROAD STRUCTURES will be provided to each delegate.

PRELIMINARY PROGRAMME

DAY 1

08:30 – 08:45	Welcome, housekeeping and attendance register
08:45 – 09:00	1 Introduction to structures management
09:00 – 09:20	2 Structure definitions
09:20 – 10:10	3 The TMH19 DER rating system
10:10 – 10:30	4 Inspection forms
10:30 - 11:00	Tea Break
11:00 – 11:30	5 Inspection procedure and quality assurance
11:30 – 11:50	6 TMH22 Requirements for accreditation
11:50 – 12:20	7 TMH19 Manual for Visual Assessments
12:20 – 12:30	Questions and discussion
12:30 - 13:30	Lunch
13:30 - 14:00	8 Inventory and inspection photos
14:00 – 14:30	9 Photographic requirements & tips
14:30 – 15:00	10 Applying bridge asset management
15:00 - 15:30	Tea Break
15:30 – 16:20	11 BMS implementation in SA: Case Studies
16:20 – 16:30	Questions and discussion

DAY 2

08:30 - 09:00	12 Case Studies
09:00 – 09:30	Travel to bridge site
09:30 – 11:30	Practical on-site bridge inspection
11:30 – 12:00	Return to venue
12:00 – 12:30	Discussion of bridge site inspection
12:30 - 13:15	Lunch
13:15 – 13:30	Summary and arrangement for exam
13:30 – 15:30	Exam
15:30 – 16:00	Closure

COST: THE FEES INCLUDE VAT

SARF Sponsor Member	R6 348
SARF Members	R7 073
Non-SARF Members	R7 742

**Exact venue will be confirmed when proof of
payment is received by SARF**
Register online at: <http://www.sarf.org.za>
Terms and conditions apply

Closing date: Monday 10th May 2021

To register please contact SARF

Sybul / Tshidi

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