

Two-day short course on
Flood estimation and storm water drainage for roads

Incorporating the newly published Drainage Manual, presented by SANRAL in cooperation with SAICE, SAACE and IMIESA

Background

The Road Drainage Manual first published in 1981, has been fully updated revised and sections added by the South African National Roads Agency Ltd (SANRAL) and published as “Drainage Manual, 5th Edition – Fully revised” The manual has added sections on economics, subsurface drainage and diagrams and all other chapters are fully updated. In addition this manual now falls in line with the new road classifications for South Africa that apply to all national, provincial and municipal authorities. The manual has also been expanded and is supported by a suite of software packages.

2-Day course objectives

The objectives of the course are to reflect principles, standards and procedures applicable to the hydraulic design and assessment of drainage problems and provide guidance in solving drainage related problems. This will be achieved by reviewing the contents of the **Drainage Manual** and reinforcing the understanding and application by problem solving.

Course contents

The course program can be downloaded from: www.sinotechcc.co.za

The following topics will be addressed: Economic evaluation of drainage structures, Flood determination, Surface drainage, Low level crossings, Sizing of culverts, Scour at bridges and Sub surface drainage.

Presenters

The course will be presented by the contributing authors of the **Drainage Manual**.

Who should attend

Persons in the planning, design and management of storm water related structures (novice to senior personnel and experts) would benefit from this course. In addition, those in management that set or implement policy for authorities would benefit from the course.

Manuals

The **Drainage Manual** will only be available at the course for those attendees whom have pre-ordered the book at the discounted rate of R700.00 (VAT inclusive).

Cost

Fee structure (VAT included)	
Course fee per person	R2200
Books ordered and paid for delegates with registration in advance	R700/book
Organizations registering in a single registration 5 or more participants to the course, will have a reduced rate applicable to all the delegates	R1950/person

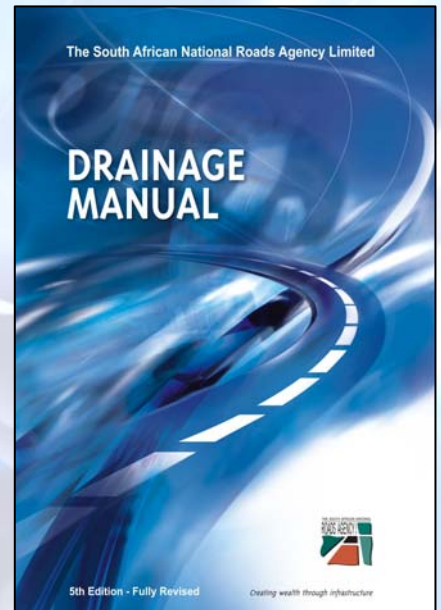
Venues

Bloemfontein	21 & 22 June 2007	Durban	26 & 27 June 2007
Cape Town	9 & 10 July 2007	Grahamstown	24 & 25 July 2007
Pretoria	2 & 3 August 2007		

2 CPD credits: SAICEwat07/00158/10

Registration

The registration form can be found on the reverse side of this page.



The course is supported by:



REGISTRATION FORM



Flood estimation and storm water drainage for roads

Please make your reservation by fax to Carla de Jager (012) 662 3724 or email: registration@carlamani.co.za

PLEASE PRINT CLEARLY IN BLOCK LETTERS

Number of persons to attend the course		Course Fees (see reverse side) - R				
Order of the Manual at the reduced price (R 700.00)			Number of copies		R	
Venue (Please tick)	Bloemfontein 21/22 June 07	Durban 26/27 June 07	Cape Town 9/10 July 07	Grahamstown 24/25 July 07	Pretoria 2/3 August 07	Total: R
Registrations will close	18 June 07	23 June 07	3 July 07	18 July 07	27 July 07	
Title	First Names					
Surname			Designation			
Company			Division/Dept			

CONTACT DETAILS

Tel no: (w)		Cell:	
Fax no:		E-mail:	
Company postal address			
Company VAT number		Postal code:	
Special Dietary Requirements			

PAYMENT

I have deposited the amount of R..... into **Drainage Manual** Account. Deposit slips confirming payment must be faxed with your Registration Form to Carla de Jager: (012) 662 3724. Please indicate clearly on the deposit slip for whom the booking/s is as well as the invoice number.

Bank: ABSA	Account name: Drainage Manual Account no: 9182831205	Branch code: 630445	Swift code: ABSAZAJCPT
CANCELLATION POLICY: The full fee is payable if cancelled less than 5 working days prior to the course. Delegates registering after the cancellation date are also liable for the full fee should they cancel. Please ensure that you receive a cancellation fax with a cancellation number. Delegates booking and not attending will be liable for the full fee. Substitute delegates are welcome but names must be advised on a company/department letterhead. To add on the above an administration fee of 10% is charged in the event of cancellation.		ADMISSION CONDITIONS: No bookings will be made without proof of payment. An electronic payment advice or copy of bank deposit slip will be accepted. Payment must be deposited at least 3 working days prior to the event. The organizers may refuse admission where evidence of payment cannot be shown. Delegates will be registered on a "first come, first serve" basis. All delegates have to register and pay prior to the date of the course.	
Name and Surname of person responsible for payment of Account			
Signature of person responsible for payment of Account			Date:

Signature of Delegate		Date:	
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I am personally responsible for full payment of these fees in the event that my company/department does not pay them.

Enquiries can be made to Carla de Jager: Cell: 083 376 2368 or e-mail: registration@carlamani.co.za