

# unsealedroads.com

EXPERTS IN THE MANAGEMENT OF UNSEALED ROAD NETWORKS

**Unsealed Roads Training Course**  
for Rural and Urban Local Governments

HOW TO MANAGE UNSEALED ROAD NETWORKS  
ON LIMITED BUDGETS TO MAXIMISE  
PERFORMANCE AND SERVICE

# Day 1

## *Best Practice Operational Techniques and Introduction into Service Levels.*

After this day, participants will understand the major aspects to gaining production and performance increases and also understand how these techniques deliver defined services to the community.

### **TOPICS COVERED**

#### **Best Practice Operational Techniques**

- A. Grading Techniques and Performance
  - i. Share Ideas. Review Videos and Forum
  - ii. Critical Aspects to Consider. Defect Removal, Moisture and Compaction
- B. Gravel Quality and Performance
  - i. Ways to increase performance and save money
  - ii. Gravel processing examples
- C. Defining Standard Activities and Production Rates. Benchmarking
- D. Water Location Management
- E. Basic Design Aspects

#### **Introduction to Service Levels**

- A. Running Surface Condition and Intervention Level
- B. Gravel Pavement Condition and Intervention Level
- C. High Risk Defects Intervention
- D. Ways to Measure Services
  - i. Visual
  - ii. Electronic

#### **Suggested Participants For Training Course**

- DAY 1** - Operators, Supervisors, Engineers and Managers
- DAY 2** - Supervisors, Engineers, and Managers



# Day 2

## *Budgeting and Programming on Limited Budgets.*

This day covers some proven management techniques to help manage a network of unsealed roads in either a rural or urban setting. After this day participants will have completed live budgeting examples for their council network (excel template provided) based on different service levels.

They will be shown an example of how to program works based on set intervention levels and review some standard procedures and business case templates. Also participants will obtain for each Council represented the following.

- Excel Budget model valued at \$150
- Standard procedures templates valued at \$150

## **TOPICS COVERED**

### **Budgeting and Programming on Limited Budgets**

- A. Service levels and relationship with operational standards and their frequency of use
- B. Road Classification - Helps budget, program and prioritises works
- C. Budgeting Template (Benchmarking - What do we need to maintain a network to a desired level of service in dollar and resources? Simple model in excel spreadsheet)
- D. Programming by Condition Monitoring
  - i. Visual and Electronic
  - ii. Intervention Levels for Engaging Maintenance
  - iii. Handling Risk Requirements
  - iv. Handling Complaints and Enquires

### **Recording and Reporting**

- A. Date Graded or Resheeted-History
- B. Condition Assessment-History
- C. Reporting on Services Delivered

### **Standard Procedures Templates**

- A. How to Handle Complaints and Enquires at all levels of staff
- B. Simple Definition of Operational Activities
- C. Road Condition Monitoring Procedures

*"A must do training course"*

**Works Manager**  
*Isaac Regional Council*

*"Operational technique sessions were very practical and useful"*

**Maintenance Coordinator**  
*Mackay Regional Council*

*"Budget tool is excellent"*

**Maintenance Engineer**  
*Sunshine Coast Regional Council*

## About the Presenter

## Darren Shepherd

Darren Shepherd is the Asset Director of Shepherd Services and the developer of the unsealedroads.com unique system of training and process development to help councils gain control over their unsealed roads networks. Darren has strong operational and management background in road construction and maintenance of both unsealed and sealed roads.

Darren has helped numerous councils gain control over their unsealed road network by implementing practical and proven techniques that have been developed over the years since 2001.

Darren holds a degree in Civil Engineering, is a registered professional engineer and is an active member of the Institute of Public Works Engineering Australia.



## To Register Your Interest

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95 Councils in Queensland, New South Wales, Victoria & Western Australia have completed this training course. Course reviews rate this training course as highly recommended and very useful.