

# New Technologies for Highway Structures "Vision"

Awtar Jandu  
Structures Design and Management

## Safety, Standards and Research (SSR)

Director : Ginny Clarke



### Research and Development of Standards *Highways Infrastructure Group*

*Appraisal Group*  
*R&D Coordination*  
*European and International*

**Operational Support Division**  
*Technical Operational Support Group*  
*Operational Guidance Group*  
*Technical Assurance Group*  
*Environment Group*

**Safety and Information Division**  
*Safety Strategy & Management Group*  
*Driver Information & Systems Group*

Pavement Engineering  
Structures, Design & Management

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Network Comms – Spec & Standards  
Contracts & Specifications

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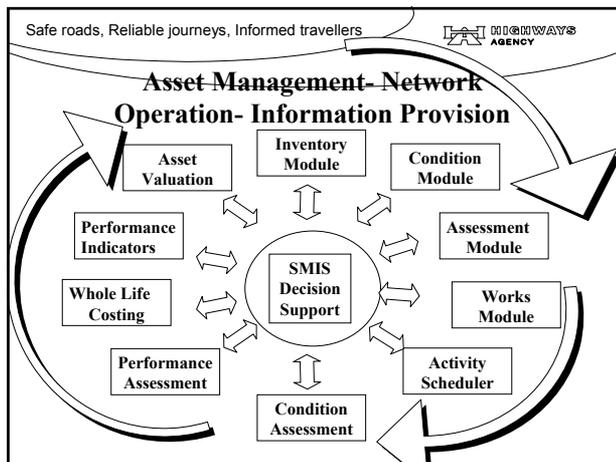
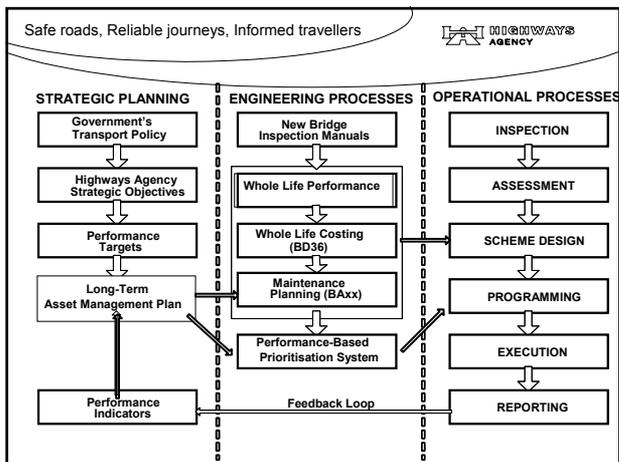
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Structures and Technical Approvals  
Geotechnics & Ground Engineering

## Business Processes

- Strategic Planning
- Engineering Processes
- Operational Processes
- How are these linked?



- Safe roads, Reliable journeys, Informed travellers
- ### Future Research
- New Materials
  - Performance based specifications
  - New forms of constructions
  - Integral structures
  - New maintenance techniques
  - Maintenance strategies

- Safe roads, Reliable journeys, Informed travellers
- ### Future Research
- Monitoring methods
  - NDT methods
  - Risk and Reliability
    - Design and Assessment codes
  - Life Cycle Analysis
  - Environmental Issues

Safe roads, Reliable journeys, Informed travellers

Thank you.