

# DEPARTMENT OF TRANSPORT, ROADS AND COMMUNITY SAFETY

## CHIEF DIRECTORATE ROADS MANAGEMENT



NORTH WEST PROVINCE  
11 NOVEMBER 2008

# PURPOSE OF PRESENTATION

- ◆ TO SHARE NORTH WEST ROAD INFRASTRUCTURE MANAGEMENT
- ◆ CHALLENGES FOR FUNDING ROAD INFRASTRUCTURE FOR NORTH WEST PROVINCE
- ◆ CONSTRAINTS IN PROJECT IN IMPLEMENTATION

# BACKGROUND

**NORTH WEST PROVINCE HAS 20, 589km OF ROADS ACCORDING TO ROAD NETWORK MANAGEMENT SYSTEM (RNMS) REPORT OF 2007.**

**OF THESE**

- **6, 398 km ARE PAVED ROADS AND**
- **14, 191 km ARE GRAVEL OR EARTH ROADS**

# CHALLENGES

- NW REQUIRES 56 BILLION TO UPGRADE 14, 000 km IN TWENTY YEARS, THAT IS IN AN IDEAL SITUATION
- THIS CAN BE ACHIEVED THROUGH UPGRADING 600 km PER ANNUM AT R2,4 BILLION.
- AT OUR NORMAL BUDGET R450m, IT WILL TAKE US 140 YEARS TO PAVE THE GRAVEL ROADS

# CONSTRAINTS

- OUR ANNUAL MAINTENANCE PLAN IS ESTIMATED AT R1,7 BILLION FOR PAVED AND UNPAVED ROADS
- OUR CURRENT BUDGET IS R130 MILLION
- HENCE DEVELOPMENT OF BACKLOG MAINTENANCE

# ROAD CONDITION

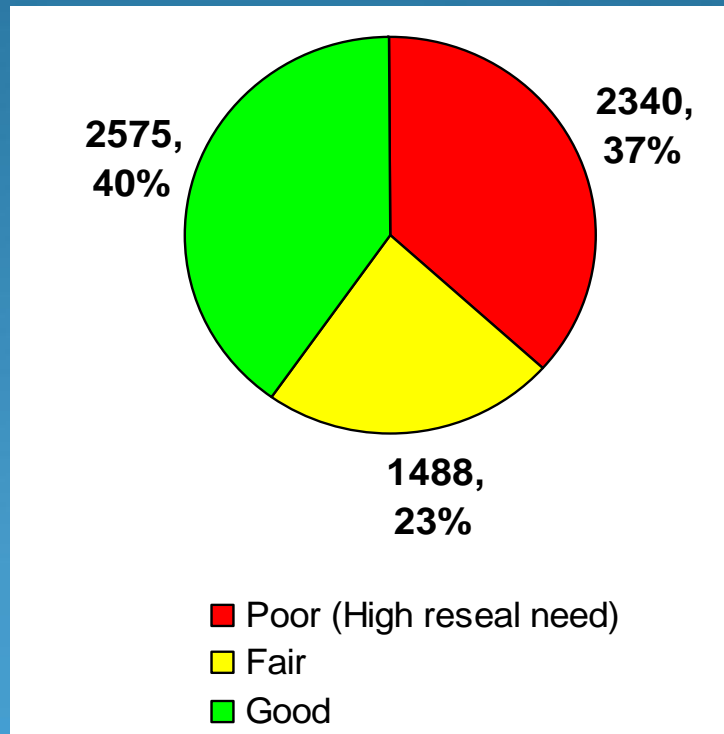
- ABOUT 65% OF THE NETWORK IS EARTH OR GRAVEL ROAD
- RNMS REPORT ALSO STATES THAT
  - 30% OF THE PAVED ROADS IN A VERY POOR CONDITION AND
  - 70% OF GRAVEL OR EARTH ROADS ARE IN A VERY POOR CONDITION

# PAVED ROAD CONDITION

- **RNMS REPORT ALSO SHOWS THAT IN**
  - ◆ 2004: 22% were poor/very poor
  - ◆ 2005: 15% were poor/very poor
  - ◆ 2007: 36% are poor/very poor
- **THUS OVERALL CONDITION HAS BEEN DECREASING FROM 2004 DUE TO BUILD UP OF BACKLOG MAINTENANCE**

# RESEAL NEEDS FROM RNMS

➤ 2,340 km IN NEED OF RESEAL NOW





# GRAVEL CONDITION RNMS

## ➤ OVERALL CONDITION DECREASING OVER THE YEARS

- ◆ 2004: 25% rated poor/very poor
- ◆ 2005: 44% rated poor/very poor
- ◆ 2007: >70% rated poor/very poor

## ➤ ABOUT 10, 000 km IN POOR CONDITION

# UPGRADING OF GRAVEL ROADS

- ABOUT 370km ARE CARRYING MORE THAN 500 VEHICLES PER DAY
- AT CURRENT BUDGETARY LEVELS PROVINCE ONLY ABLE TO UPGRADE 100km PER YEAR (INFRASTRUCTURE BUDGET THIS YEAR IS R450 MILLION), MEANING NO
  - RESEAL OR
  - REGRAVELLING
- CONSTRUCTION COSTS NOW ABOUT R4m TO R5m PER km

# IMMEDIATE NEEDS NORMAL PROGRAMME

- ARREST/ REDUCE DEVELOPMENT OF BACKLOG MAINTENANCE THROUGH:-
  - INTENSIVE RESEAL PROGRAMME
  - INTENSIVE REHABILITATION
  - INTENSIVE REGRAVELLING
  - ADEQUATE ROUTINE MAINTENANCE
- LINK VILLAGES WITH SURFACED ROADS

# IMMEDIATE NEEDS CONT'D

- FROM NEXT FINANCIAL YEAR REQUIRE R2,2 BILLION ANNUALLY FOR FIVE YEARS TO CLEAR BACKLOG MAINTENANCE
- FOR REMAINDER OF THE YEAR REQUIRE ADDITIONAL FUNDING R880 MILLION
  - R300 MILLION FOR RESEALS
  - R100 MILLION FOR REGRAVELLING
  - R300 MILLION FOR REHABILITATION
  - R80 MILLION FOR ROUTINE MAINTENANCE
  - R100 MILLION FOR UPGRADING

# POOR SUPERVISION

- POOR WORKMANSHIP ACCEPTED
  - Corrugations
  - Depressions
- BASE INSPECTION NOT THOROUGH
  - Contractors performance poor
  - Consultants not checking the works

# QUALITY CONTROL

- New roads
  - Poor finish
  - Rough ride
  - potholed
  - Deformations
  - Jagged edges



# SOLUTIONS

- STRICT SUPERVISION REQUIRED
  - Monitor performance
  - Monitor quality
  - Accept Good work only
  - Reject substandard work
  - Process certificates on time

# PROJECTS CLOSURE

## • CAPEX PROGRAMME MANAGEMENT CHALLENGES

- Consultants not wrapping up projects
- Retention too little? Increase to 5%



# CONCLUSION

- ANNUALLY WE REQUIRE R2,2 BILLION FOR FIVE YEARS FROM NEXT YEAR
- PLEASE NOTE THAT THIS EXCLUDES WORLD CUP ROADS WHICH ROLLOVER INTO NEXT YEAR.(ABOUT R735)

• KEALEBOGA THANK YOU