KWAZULU-NATAL DEPARTMENT OF TRANSPORT
GRAVEL ROAD ASSESSMENT FORM

GENERAL INFORMATION

Assessor: _____ **Company:** _____ **Date:** _____

Road no. / Section: _____ **Start (km):** _____ **End (km):** _____

Start feature: _____ **End Feature:** _____

Region details:	**(D)**URBAN	**(P)**IETERMARITZBURG	**(L)**ADYSMITH	**(E)**MPANGENI
Weather conditions:	**(W)**ET	**(D)**RY	**(M)**OIST	
Terrain:	**(F)**LAT	**(R)**OLLING	**(M)**OUNTAINOUS	

Dc No: _____ **Road Width (m):** _____

WEARING COURSE ASSESSMENT

Material type:	**(1)** AMPHIBOLITE	**(2)** BASALT	**(3)** CALCRETE	**(4)** CLAY	**(5)** DOLERITE
	(6) GRANITE	**(7)** SAND	**(8)** SANDSTONE	**(9)** GNEISS	**(10)** LATERITE
	(11) NORITE	**(12)** SILTSTONE	**(13)** FERRICRETE	**(14)** TILLITE	**(15)** OTHER
Layer thickness:	**(1)** >125mm	**(2)** 100 - 125mm	**(3)** 50 - 100mm	**(4)** 25 - 50mm	**(5)** 0 - 25mm
Gravel quality:	**(1)** Very Good	**(2)** Good	**(3)** Average	**(4)** Poor	**(5)** Very Poor
Influencing factor:			**(C)**LAY	**(S)**ANDY	**(O)**VERSIZED
Isolated problems:	**(E)**ROSION	**(S)**UBGRADE EXPOSURE	**(T)**RANSVERSE DRAINAGE	**(L)**ONGITUDANAL DRAINAGE	**(R)**OUGH AREA
Dust:	**(1)** ACCEPTABLE	**(5)** UNACCEPTABLE			

FUNCTIONAL ASSESSMENT

Riding Quality:	**(1)** Very Good > 100km/h	**(2)** Good 80-100km/h	**(3)** Average 60-80km/h	**(4)** Poor 40-60km/h	**(5)** Very Poor <40km/h
Influencing factor:	**(C)**ORRUGATIONS	**(P)**OTHOLES	**(S)**TONINESS	**(E)**ROSION	**(R)**UTS
Slipperiness:	**(1)** ACCEPTABLE	**(5)** UNACCEPTABLE			
Skid Resistance:	**(1)** ACCEPTABLE	**(5)** UNACCEPTABLE			

DRAINAGE ASSESSMENT

Prevailing cross section:	**(1)** Very Good	**(2)** Good	**(3)** Flat	**(4)** Rutted/Eroded	**(5)** Severely Eroded
Drainage from the road:	**(1)** WELL ABOVE NGL	**(2)** SLIGHTLY ABOVE NGL	**(3)** LEVEL WITH NGL	**(4)** SLIGHTLY BELOW NGL	**(5)** CANAL
Side Drains Condition:	**(1)** Very Good	**(2)** Good	**(3)** Average	**(4)** Poor	**(5)** Very Poor / None
Problem:		**(N)**ONE/INSUFFICIENT	**(E)**RODED	**(S)**ILTED	**(V)**EGETATION
Mitre Drains Condition:	**(1)** Very Good	**(2)** Good	**(3)** Average	**(4)** Poor	**(5)** Very Poor / None
Problem:		**(N)**ONE/INSUFFICIENT	**(E)**RODED	**(S)**ILTED	**(V)**EGETATION

SUMMARY

Action required:	**(N)**ONE	**(L)**IGHT **(B)**LADING	**(H)**EAVY **(B)**LADING	**(P)**ATCH **(G)**RAVELLING	**(R)**E**(G)**RAVELLING
	(R)E**(C)**ONSRUCT	**(B)**ETTERMENT	**(D)**RAINAGE **(I)**MPROVE	**(U)**PGRADE **(B)**LACKTOP	