

Intern rapport nr. 1341

**Monitoring of sealed
Low traffic roads in Botswana
Oodi-Modipane road.
Data report 1985**

August 1987

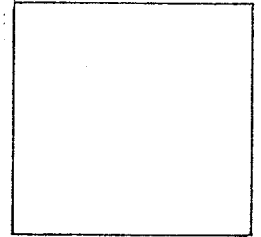
Vellaboratoriet

Intern rapport

nr. 1341

Gruppe: C

MONITORING OF SEALED
LOW TRAFFIC ROADS IN BOTSWANA
OODI-MODIPANE ROAD
DATA REPORT 1985



Vegdirektoratet
Veglaboratoriet

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Veglaboratoriets Interne rapporter omfatter utredninger, forskningsresultater, studiebesøk, forslag til retningslinjer, foredrag og kurskompendier.

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saksbehandler: Charles Øverby

/ BM

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rapportsammendrag

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<input type="checkbox"/>	Laboratorierapport
<input type="checkbox"/>	Oppdragsrapport

111	A	Rapportstatus*) N	Seksjon/fylke 48	Prosjekt P397/BOT004	Gruppe: C	nr. 1341
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1 2 3 4 5 21 31 41 51 61 71

TITTEL	212	A	Monitoring of sealed low traffic roads in Botswana. Oodi-Modipane road. Data report 1985.			
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SAKS-BEHANDLER	221	A	Navn Charles Øverby	Institusjon NRRL
	B			
	C			

RAPPORT DATA	421	A	Rapporttype**) FoU	Dato August 1987	Erstatter rapport nr:	
	B		Totalt sidetail 231		Språk English	
	C		Antall fotos 24	Ant. figurer	Ant. tabeller	Ant. litt.henv.
	D		Sammendrag i andre språk			

SAMMENDRAG	511	A	<p>The monitoring programme for reference sections for bituminous Low Traffic Roads built under the Rural Roads Programme during the years 1978-81 is a joint project between the Roads Department, Botswana and the Public Roads Administration, NRRL, Norway. The main purpose of this study is to gain long term experience from roads built with substandard materials (in respect of present criteria) in order to obtain feedback to the present Road Design Manual. The Monitoring Programme is scheduled to run for a 5 years period.</p> <p>This report contains all the measurements and observations carried out during the year 1985.</p> <p>The measurements are presented without any comments as the report only serve as a data report.</p>			
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FAG-OMR.	611	A	Pavement design	IRRD kode 22
	B			
	C			
NØKKELOD	621	A	Pavement design	3055
	B		Pavement	2955
	C		Low cost roads	2986
	D		Surveillance	9101
	E		Specifications (standard)	0139
	F			
	G			
	H			

**) 421A: FoU = forskning og utvikling K = konferansebidrag O = oppdrag
 *) 111A: N = ny O = oppdatert
 F = forskrifter/normaler A = artikkel

PREFACE

The monitoring programme for reference sections for bituminous Low Traffic Roads built under the Rural Roads Programme during the years 1978-1981 is a joint work between the

Roads Departement, Botswana

and the

Public Roads Administration NRRL, Norway

The main purpose of the study is to gain long term experience from roads built with substandard materials (in respect of present criteria) in order to obtain feedback to the present Road Design Manual.

The Monitoring Programme is scheduled to run for a 5 years period from 1982-1987.

This report contains all the measurements and observations carried out during the year 1985 on the Oodi-Modipane road.

The measurements are presented without any comments as the report only serve as a data report.

TABLE OF CONTENTS

	Page
Summary of road sections and road statistics March 1985 (white colour)	1 - 15c
Detail information March 1985 (light blue colour)	
Work sheets axleload survey	15 - 19
Work sheets Section 1	20 - 26
" " 2	27 - 35
" " 3	36 - 42
" " 4	43 - 52
" " 5	53 - 61
" " 6	62 - 68
" " 7	69 - 75
" " 8	76 - 84
" " 9	85 - 87
" " 10	88 - 90
" " 11	91 - 97
" " 12	98 - 106
Summary of road sections and road statistics December 1985 (white colour)	107 - 122
Detail information December 1985 (light blue colour)	
Work sheets Section 1	123 - 130
" " 2	131 - 137
" " 3	138 - 144
" " 4	145 - 152
" " 5	153 - 160
" " 6	161 - 167
" " 7	168 - 175
" " 8	176 - 182
" " 9	183 - 186
" " 10	187 - 190
" " 11	191 - 197
" " 12	198 - 204

**SUMMARY OF
ROAD SECTIONS
AND
ROAD STATISTICS**

MARCH 1985

SUMMARY OF MEASUREMENTS

NOTES	ROAD	00di
	SECTION	1
	PROFILE(S)	
	DATE/SIGN	3/85

DCP	PAVEMENT STRENGTH CBR			
		Ø	1,25m L	2,20m L
Base	0- 5 cm			
"	5-15 "			
Subbase (subgrade)	15-25 "			
Subgrade	25-35 "			
"	35-50 "			
"	50-70 "			
"	70-90 "			
Average CBR to total depth				

TOTAL WIDTH OF SURFACING
5.01 m

SURFACE EDGE DROP
4.1 cm

DCP STRUCTURE NUMBER	Ø	1,25m L	2,20m L	Average
DSN ₅₀₀				
PS ₁₀₀				

BEARING CAPACITY DYNAFLECT	DMD ·10 ⁻³ mm	St.dev.	SCI ·10 ⁻³ mm	DMD/SCI

RUT-DEPTH
3.9 mm

MOISTURE BY IN SITU SAMPLING (W%)	Distance from Ø in meters					
	Ø	1,00	1,25	1,50	2,20	5,50
Depth	0- 5 cm					
"	5-15 "					
"	15-25 "					
"	25-35 "					
"	35-50 "					

EDGE PATCH.
0 m

TOTAL NUMBER OF POTHoles	Patched		Unpatched	
	<10cm Ø	>10cm Ø	<10cm Ø	>10cm Ø
	0	0	1	0

PSR
3.2

CRACKS
198.0 cm/m ²

BUMP. INT.
mm/km

VISCOSITY

SUMMARY OF MEASUREMENTS

NOTES	ROAD	00Di
	SECTION	2
	PROFILE(S)	
	DATE/SIGN	3/85

DCP	PAVEMENT STRENGTH CBR	PAVEMENT STRENGTH CBR		
		E	1,25m L	2,20m L
		Base	0- 5 cm	94
"	5-15 "	68	101	94
Subbase (subgrade)	15-25 "	73	88	97
Subgrade	25-35 "	56	117	67
"	35-50 "	24	58	38
"	50-70 "			
"	70-90 "			
Average CBR to total depth		63	108	76

TOTAL WIDTH OF SURFACING
5.08 m

SURFACE EDGE DROP
3.3 cm

DCP STRUCTURE NUMBER	E	1,25m L	2,20m L	Average
DSN ₅₀₀	97.5	146.0	120.3	121.3
PS ₁₀₀	26.3	25.9	22.3	24.8

BEARING CAPACITY DYNAFLECT	DMD ·10 ⁻³ mm	St.dev.	SCI ·10 ⁻³ mm	DMD/SCI

RUT-DEPTH
3.4 mm

MOISTURE BY IN SITU SAMPLING (W%)	Distance from E in meters	Distance from E in meters					
		E	1,00	1,25	1,50	2,20	5,50
Depth	0- 5 cm						
"	5-15 "						
"	15-25 "						
"	25-35 "						
"	35-50 "						

EDGE PATCH.
0 m

TOTAL NUMBER OF POTHoles	Patched		Unpatched	
	<10cm Ø	>10cm Ø	<10cm Ø	>10cm Ø
	0	0	0	0

PSR
3.2

CRACKS
187.0 cm/m ²

BUMP. INT.
mm/km

VISCOSITY

SUMMARY OF MEASUREMENTS

NOTES	ROAD	00Di
	SECTION	3
	PROFILE(S)	
	DATE/SIGN	3/85

DCP	PAVEMENT STRENGTH CBR	CBR		
		D	1,25m L	2,20m L
Base 0- 5 cm				
" 5-15 "				
Subbase (subgrade) 15-25 "				
Subgrade 25-35 "				
" 35-50 "				
" 50-70 "				
" 70-90 "				
Average CBR to total depth				

TOTAL WIDTH OF SURFACING
4.81 m

SURFACE EDGE DROP
3.8 cm

DCP STRUCTURE NUMBER	D	1,25m L	2,20m L	Average
DSN ₅₀₀				
PS ₁₀₀				

BEARING CAPACITY DYNAFLECT	DMD .10 ⁻³ mm	St.dev.	SCI .10 ⁻³ mm	DMD/SCI

RUT-DEPTH
4.7 mm

MOISTURE BY IN SITU SAMPLING (W%)	Distance from D in meters					
	D	1,00	1,25	1,50	2,20	5,50
Depth 0- 5 cm						
" 5-15 "						
" 15-25 "						
" 25-35 "						
" 35-50 "						

EDGE PATCH.
m

TOTAL NUMBER OF POTHoles	Patched		Unpatched	
	<10cm Ø	>10cm Ø	<10cm Ø	>10cm Ø
	0	0	0	0

PSR
3.1

CRACKS
4.7 cm/m ²

BUMP. INT.
mm/km

VISCOSITY

SUMMARY OF MEASUREMENTS

NOTES
1) 90% of the potholes have a diameter between 1-3 cm.

ROAD	000i
SECTION	4
PROFILE(S)	
DATE/SIGN	3/85

DCP		PAVEMENT STRENGTH CBR		
		̄	1,25m L	2,20m L
Base	0- 5 cm	102	162	39
"	5-15 "	142	212	44
Subbase (subgrade)	15-25 "	103	84	55
Subgrade	25-35 "	61	41	37
"	35-50 "	35	28	34
"	50-70 "			
"	70-90 "			
Average CBR to total depth		88	105	42

TOTAL WIDTH OF SURFACING
4,92 m

SURFACE EDGE DROP
2,9 cm

DCP STRUCTURE NUMBER	̄	1,25m L	2,20m L	Average
DSN ₅₀₀	129.3	94.1	69.7	97.7
PS ₁₀₀	29.5	29.8	27.2	28.8

BEARING CAPACITY DYNAFLECT	DMD	St.dev.	SCI	DMD/SCI
	·10 ⁻³ mm		·10 ⁻³ mm	

RUT-DEPTH
3.2 mm

MOISTURE BY IN SITU SAMPLING (W%)	Depth	Distance from ̄ in meters					
		̄	1,00	1,25	1,50	2,20	5,50
	0- 5 cm	1,5			3,8	4,2	
	" 5-15 "	2,1			4,3	4,7	
	" 15-25 "	3,6			3,3	3,6	
	" 25-35 "	2,1			2,9	3,7	
	" 35-50 "	2,1			3,4	4,2	

EDGE PATCH.
m

TOTAL NUMBER OF POTHOLES	1)	Patched		Unpatched	
		<10cm ∅	>10cm ∅	<10cm ∅	>10cm ∅
		6	10	19	3

PSR
2,9

CRACKS
132.5 cm/m ²

BUMP. INT.
mm/km

VISCOSITY

SUMMARY OF MEASUREMENTS

NOTES 1) Only one value	ROAD	000i
	SECTION	5
	PROFILE(S)	
	DATE/SIGN	3/85

DCP	PAVEMENT STRENGTH CBR	PAVEMENT STRENGTH		
		Ø	1,25m L	2,20m L
Base 0- 5 cm		326	304	47
" 5-15 "		460 1/2	73 1/2	75
Subbase (subgrade) 15-25 "		170 1/2	36 1/2	71
Subgrade 25-35 "		73 1/2	18 1/2	40
" 35-50 "		19 1/2	9 1/2	18
" 50-70 "				
" 70-90 "				
Average CBR to total depth		210	88	50

TOTAL WIDTH OF SURFACING
4.47 m

SURFACE EDGE DROP
1.7 cm

DCP STRUCTURE NUMBER	Ø	1,25m L	2,20m L	Average
DSN ₅₀₀	332.6 1/2	62.5 1/2	82.3	159.1
PS ₁₀₀	50.1	34.8	26.3	37.1

BEARING CAPACITY DYNAFLECT	DMD ·10 ⁻³ mm	St.dev.	SCI ·10 ⁻³ mm	DMD/SCI

RUT-DEPTH
4.6 mm

MOISTURE BY IN SITU SAMPLING (W%)	Distance from Ø in meters					
	Ø	1,00	1,25	1,50	2,20	5,50
Depth 0- 5 cm						
" 5-15 "						
" 15-25 "						
" 25-35 "						
" 35-50 "						

EDGE PATCH.
m

TOTAL NUMBER OF POTHOLES	Patched		Unpatched	
	<10cm Ø	>10cm Ø	<10cm Ø	>10cm Ø
	2	0	0	0

PSR
3.0

CRACKS
45.9 cm/m ²

BUMP. INT.
mm/km

VISCOSITY

SUMMARY SHEET

SUMMARY OF MEASUREMENTS

NOTES	ROAD	00Di		
	SECTION	6		
	PROFILE(S)			
	DATE/SIGN	3/85		

DCP		PAVEMENT STRENGTH CBR		
		\bar{x}	1,25m L	2,20m L
Base	0- 5 cm			
"	5-15 "			
Subbase (subgrade)	15-25 "			
Subgrade	25-35 "			
"	35-50 "			
"	50-70 "			
"	70-90 "			
Average CBR to total depth				

TOTAL WIDTH OF SURFACING	4,42 m
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SURFACE EDGE DROP	3 cm
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DCP STRUCTURE NUMBER	\bar{x}	1,25m L	2,20m L	Average
DSN 500				
PS 100				

BEARING CAPACITY DYNAFLECT	DMD $\cdot 10^{-3}$ mm	St.dev.	SCI $\cdot 10^{-3}$ mm	DMD/SCI

MOISTURE BY IN SITU SAMPLING (W%)	Distance from \bar{x} in meters					
	\bar{x}	1,00	1,25	1,50	2,20	5,50
Depth	0- 5 cm					
"	5-15 "					
"	15-25 "					
"	25-35 "					
"	35-50 "					

TOTAL NUMBER OF POTHOLES	Patched		Unpatched	
	<10cm ϕ	>10cm ϕ	<10cm ϕ	>10cm ϕ
	0	0	0	0

CRACKS	80.6 cm/m ²
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BUMP. INT.	mm/km
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RUT-DEPTH	4 mm
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EDGE PATCH.	m
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PSR	3,3
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VISCOSITY	
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SUMMARY OF MEASUREMENTS

NOTES	ROAD	00di
	SECTION	7
	PROFILE(S)	
	DATE/SIGN	3/85

DCP	PAVEMENT STRENGTH CBR	CBR	
		E	1,25m L
Base	0- 5 cm		
"	5-15 "		
Subbase (subgrade)	15-25 "		
Subgrade	25-35 "		
"	35-50 "		
"	50-70 "		
"	70-90 "		
Average CBR to total depth			

TOTAL WIDTH OF SURFACING
4.72 m

SURFACE EDGE DROP
3.6 cm

DCP STRUCTURE NUMBER	E	1,25m L	2,20m L	Average
DSN 500				
PS 100				

BEARING CAPACITY DYNAFLECT	DMD .10 ⁻³ mm	St.dev.	SCI .10 ⁻³ mm	DMD/SCI

RUT-DEPTH
3.8 mm

MOISTURE BY IN SITU SAMPLING (W%)	Distance from E in meters					
	E	1,00	1,25	1,50	2,20	5,50
Depth	0- 5 cm					
"	5-15 "					
"	15-25 "					
"	25-35 "					
"	35-50 "					

EDGE PATCH.
m

TOTAL NUMBER OF POTHoles	Patched		Unpatched	
	<10cm Ø	>10cm Ø	<10cm Ø	>10cm Ø
	0	0	0	0

PSR
3.3

CRACKS
76.4 cm/m ²

BUMP. INT.
mm/km

VISCOSITY

SUMMARY OF MEASUREMENTS

NOTES

1) Only one value

ROAD SECTION	00di
PROFILE(S)	8
DATE/SIGN	3/85

DCP		PAVEMENT STRENGTH CBR		
		̄	1,25m L	2,20m L
Base	0- 5 cm	280	279	67
"	5-15 "	168	196	47
Subbase (subgrade)	15-25 "	88	124	44
Subgrade	25-35 "	33'	54	51
"	35-50 "	20'	26	40
"	50-70 "			
"	70-90 "			
Average CBR to total depth		107	136	50

TOTAL WIDTH OF SURFACING
4.68 m

SURFACE EDGE DROP
4.1 cm

DCP STRUCTURE NUMBER	̄	1,25m L	2,20m L	Average
DSN ₅₀₀	110.9'	129.0	83.3	107.7
PS ₁₀₀	45.1	37.1	25.7	36.0

BEARING CAPACITY DYNAFLECT	DMD .10 ⁻³ mm	St.dev.	SCI .10 ⁻³ mm	DMD/SCI

RUT-DEPTH
4.8 mm

MOISTURE BY IN SITU SAMPLING (W%)	Depth	Distance from ̄ in meters					
		̄	1,00	1,25	1,50	2,20	5,50
	0- 5 cm						
	5-15 "						
	15-25 "						
	25-35 "						
	35-50 "						

EDGE PATCH.
m

TOTAL NUMBER OF POTHoles	Patched		Unpatched	
	<10cm Ø	>10cm Ø	<10cm Ø	>10cm Ø
	0	0	1	0

PSR
3.2

CRACKS
110.8 cm/m ²

BUMP. INT.
mm/km

VISCOSITY

SUMMARY OF MEASUREMENTS

NOTES	ROAD	000i
	SECTION	9
	PROFILE(S)	
	DATE/SIGN	3/85

DCP	PAVEMENT STRENGTH CBR		
	Ø	1,25m L	2,20m L
Base 0- 5 cm			
" 5-15 "			
Subbase (subgrade) 15-25 "			
Subgrade 25-35 "			
" 35-50 "			
" 50-70 "			
" 70-90 "			
Average CBR to total depth			

TOTAL WIDTH OF SURFACING
m

SURFACE EDGE DROP
cm

DCP STRUCTURE NUMBER	Ø	1,25m L	2,20m L	Average
DSN ₅₀₀				
PS ₁₀₀				

BEARING CAPACITY DYNAFLECT	DMD ·10 ⁻³ mm	St.dev.	SCI ·10 ⁻³ mm	DMD/SCI

RUT-DEPTH
mm

MOISTURE BY IN SITU SAMPLING (W%)	Distance from Ø in meters					
	Ø	1,00	1,25	1,50	2,20	5,50
Depth 0- 5 cm						
" 5-15 "						
" 15-25 "						
" 25-35 "						
" 35-50 "						

EDGE PATCH.
m

TOTAL NUMBER OF POTHOLES	Patched		Unpatched	
	<10cm Ø	>10cm Ø	<10cm Ø	>10cm Ø

PSR
2.3

CRACKS
cm/m ²

BUMP. INT.
mm/km

VISCOSITY

SUMMARY SHEET

SUMMARY OF MEASUREMENTS

NOTES	ROAD	<i>00di</i>
	SECTION	<i>10</i>
	PROFILE(S)	
	DATE/SIGN	<i>3/85</i>

DCP	PAVEMENT STRENGTH CBR		
		E	1,25m L
Base 0- 5 cm			
" 5-15 "			
Subbase (subgrade) 15-25 "			
Subgrade 25-35 "			
" 35-50 "			
" 50-70 "			
" 70-90 "			
Average CBR to total depth			

TOTAL WIDTH OF SURFACING
m

SURFACE EDGE DROP
cm

DCP STRUCTURE NUMBER	E	1,25m L	2,20m L	Average
DSN 500				
PS 100				

BEARING CAPACITY DYNAFLECT	DMD ·10 ⁻³ mm	St.dev.	SCI ·10 ⁻³ mm	DMD/SCI

RUT-DEPTH
mm

MOISTURE BY IN SITU SAMPLING (W%)	Distance from E in meters					
	E	1,00	1,25	1,50	2,20	5,50
Depth 0- 5 cm						
" 5-15 "						
" 15-25 "						
" 25-35 "						
" 35-50 "						

EDGE PATCH.
m

TOTAL NUMBER OF POTHoles	Patched		Unpatched	
	<10cm Ø	>10cm Ø	<10cm Ø	>10cm Ø

PSR
<i>2.2</i>

CRACKS
cm/m ²

BUMP. INT.
mm/km

VISCOSITY

SUMMARY OF MEASUREMENTS

NOTES	ROAD	00di
	SECTION	11
	PROFILE(S)	
	DATE/SIGN	3/85

DCP	PAVEMENT STRENGTH CBR	PAVEMENT STRENGTH		
		̄	1,25m L	2,20m L
Base	0- 5 cm			
"	5-15 "			
Subbase (subgrade)	15-25 "			
Subgrade	25-35 "			
"	35-50 "			
"	50-70 "			
"	70-90 "			
Average CBR to total depth				

TOTAL WIDTH OF SURFACING
4.68 m

SURFACE EDGE DROP
4.1 cm

DCP STRUCTURE NUMBER	̄	1,25m L	2,20m L	Average
DSN ₅₀₀				
PS ₁₀₀				

BEARING CAPACITY DYNAFLECT	DMD ·10 ⁻³ mm	St.dev.	SCI ·10 ⁻³ mm	DMD/SCI

RUT-DEPTH
3.5 mm

MOISTURE BY IN SITU SAMPLING (W%)	Distance from ̄ in meters					
	̄	1,00	1,25	1,50	2,20	5,50
Depth	0- 5 cm					
"	5-15 "					
"	15-25 "					
"	25-35 "					
"	35-50 "					

EDGE PATCH.
m

TOTAL NUMBER OF POTHoles	Patched		Unpatched	
	<10cm Ø	>10cm Ø	<10cm Ø	>10cm Ø
	0	0	0	0

PSR
2.7

CRACKS
1023.8 cm/m ²

BUMP. INT.
mm/km

VISCOSITY

SUMMARY OF MEASUREMENTS

NOTES <i>Only two valves</i>	ROAD	<i>00Di</i>
	SECTION	<i>12</i>
	PROFILE(S)	
	DATE/SIGN	<i>3/85</i>

DCP	PAVEMENT STRENGTH CBR	PAVEMENT STRENGTH CBR		
		E	1,25m L	2,20m L
Base 0- 5 cm		<i>175.3</i>	<i>170</i>	<i>126</i>
" 5-15 "		<i>165</i>	<i>171</i>	<i>43</i>
Subbase (subgrade) 15-25 "		<i>52</i>	<i>49</i>	<i>32</i>
Subgrade 25-35 "		<i>33</i>	<i>17</i>	<i>20</i>
" 35-50 "		<i>14</i>	<i>14</i>	<i>20</i>
" 50-70 "				
" 70-90 "				
Average CBR to total depth		<i>88</i>	<i>84</i>	<i>48</i>

TOTAL WIDTH OF SURFACING
<i>4.58</i> m

SURFACE EDGE DROP
<i>3.3</i> cm

DCP STRUCTURE NUMBER	E	1,25m L	2,20m L	Average
DSN ₅₀₀	<i>109.8</i>	<i>101.1</i>	<i>69.7</i>	<i>93.5</i>
PS ₁₀₀	<i>41.5</i>	<i>44.7</i>	<i>34.6</i>	<i>40.3</i>

BEARING CAPACITY DYNAFLECT	DMD ·10 ⁻³ mm	St.dev.	SCI ·10 ⁻³ mm	DMD/SCI

RUT-DEPTH
<i>3.8</i> mm

MOISTURE BY IN SITU SAMPLING (W%)	Distance from E in meters					
	E	1,00	1,25	1,50	2,20	5,50
Depth 0- 5 cm						
" 5-15 "						
" 15-25 "						
" 25-35 "						
" 35-50 "						

EDGE PATCH.
m

TOTAL NUMBER OF POTHOLES	Patched		Unpatched	
	<10cm Ø	>10cm Ø	<10cm Ø	>10cm Ø
	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>

PSR
<i>2.5</i>

CRACKS
<i>1033.7</i> cm/m ²

BUMP. INT.
mm/km

VISCOSITY

ROAD MAINTENANCE

JOB COST SUMMARY

NOTES

ROAD	Oodi - Modipane
SECTION	
PROFILE(S)	
DATE/SIGN	April-84 - March -85

UNIT	DEPREC	OPERATE	LABOR	CONTRACT	HIRE IN	MATERIAL	OVHD	TOTAL
*** ROAD MAINTENANCE JOB COST SUMMARY ***								
PERIOD END 033185								
***** CONTROL SECTION - 1250100 ***** ***** SURFACE = BIT ***** ***** LENGTH = 18.0 ***** ***** JCT. ROUTE 1 - MODIPANE *****								
*** WORK-CODE R101 ROUTINE BITUMENIZED-PATCHING & LANE EDGE REPAIRS								
101/BIT 02	906.05	3276.84	3893.27	0.00	0.00	0.00	0.00	8076.16
TOTAL THIS WORK CODE	906.05	3276.84	3893.27	0.00	0.00	0.00	0.00	8076.16
*** WORK-CODE R402 ROUTINE MAINTENANCE-OF ROAD-SIGNS/MARKERS/ROAD-LINES								
101/SIGN 01	358.43	661.16	1102.78	0.00	0.00	0.00	0.00	2122.37
TOTAL THIS WORK CODE	358.43	661.16	1102.78	0.00	0.00	0.00	0.00	2122.37
*** WORK-CODE R404 ROUTINE REPAIRS-OF CATTLE-GRIDS								
101/NISC 01	5465.27	7821.24	6555.02	0.00	0.00	0.00	0.00	17841.53
TOTAL THIS WORK CODE	5465.27	7821.24	6555.02	0.00	0.00	0.00	0.00	17841.53
TOTAL THIS SECTION								
COST/KM	6729.75	11759.24	11551.07	0.00	0.00	0.00	0.00	30040.06
STD-COST/KM	373.87	653.29	641.72	0.00	0.00	0.00	0.00	1668.89
VARIANCE/KM	+373.87	+653.29	+641.72	+0.00	+0.00	+0.00	+0.00	+1668.89
RPRT TOT								
COST/KM	6729.75	11759.24	11551.07	0.00	0.00	0.00	0.00	30040.06
STD-COST/KM	373.87	653.29	641.72	0.00	0.00	0.00	0.00	1668.89
VARIANCE/KM	+373.87	+653.29	+641.72	+0.00	+0.00	+0.00	+0.00	+1668.89

ROAD MAINTENANCE

UNIT DAYS WORKED

NOTES

ROAD	Oodi-Modipane
SECTION	
PROFILE(S)	
DATE/SIGN	April-84-March-85

***** MAINTENANCE UNIT DAYS WORKED ***** MAR 31 85 Page 001

1250100 BIT. 18.00 KM. JCT. ROUTE 1 - MODIPANE

UNIT	WORK CODE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOT
101/BIT 02	R101 BIT. PATCH/EDGE	0.0	0.0	0.0	10.0	0.0	8.0	0.0	0.0	4.0	0.0	0.0	10.0	32.0
101/SIGN-01	R402 MAINT-SIGN/MRKR	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	14.0
101/MISC 01	R404 MAINT CATL GRID	0.0	0.0	0.0	22.0	13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.0
		0.0	0.0	0.0	32.0	16.0	8.0	0.0	0.0	4.0	0.0	0.0	21.0	81.0

AXLE LOAD SURVEY

NOTES

ROAD	Oodi
SECTION	
PROFILE(S)	
DATE/SIGN	21/3/85

Axle load survey:

2 days, 24 hours continuously

Both directions

Direction to Oodi:

Σ ESA 8,678 13 vehicles \therefore $EF_V = 0,664$

30 axles \therefore $EF_A = 0,288$

Direction to Mmamashia:

Σ ESA 4,689 15 vehicles \therefore $EF_V = 0,313$

32 axles \therefore $EF_A = 0,147$

EF_V both directions 0,489

EF_A " " 0,218

REMARKS

Notes on some Botswana roads and observation on experimental sections inspected over the period 11th to 15th March 1985
 By F. Netterberg.

ROAD	000i
SECTION	
PROFILE(S)	
DATE/SIGN	3/85

000I ROAD

All 12 sections are briefly inspected. The general condition of the pavement on all was good with a complete absence of significant rutting and shear failures, and very little potholing was evident. Some block cracking was evident on all sections and significant crocodile cracking was noted on the sections where tar was used as a first spray (i.e. from km 15,0 til km 18,5) and on less than 50 % of section 4 (km 8,0 - km 9,0). The crocodile cracking of the above sections where calcrete was used a loose seemed coarse and it is suggested that the relative binder and water absorption of the two bases should be determined in order to provide data for better seal design.

In my opinion only the section from km 15,0 on wards, the section between the bridges and the start of the road require resealing in the near future. The rest could wait for at least 2 years. Indeed, those with double seals (not of tar) were in very good condition and should not require resealing of the next few years although the edges which only have a single seal might need attention after a year or two. Some attention needs to be given to patching the edge fretting and to regravelling the shoulder in places.

REMARKS

Notes on some Botswana roads and observation on experimental sections inspected over the period 11th to 15th March 1985 By F. Netterberg.	ROAD	00 Di
	SECTION	
	PROFILE(S)	
	DATE/SIGN	3/85

GENERAL

Cracks emanating from the base course due to stabilization are common and are difficult to seal by normal means, eg. by resealing or by pouring emulsion into them, as they tend to open up again. In general, however an attempt should be made to seal them when they are wide (say more than 2 mm), spalling or when there are signs of pumping. No pumping was noticed on any of the roads examined and no failures are likely as a consequence of not resealing in the next year or two. Sealing the wider cracks by hand is all that is considered necessary except where indicated otherwise.

Cracks apparently due to self - stabilization can probably be put into the same category as stabilization cracks although they deserve to be studied further.

Cracks in the surfacing due to deterioration of the binder probably require that the section be resealed and/or rejuvenated. This only appeared to be a problem where tar seals are used. In all the other cases examined the binder appeared to be in good condition and "alive".

AXLE LOAD SURVEY

NOTES

Direction to Oodi

ROAD	Oodi
SECTION	
PROFILE(S)	
DATE/SIGN	21 / 3 / 85

SURVEY		AXLE-LOAD EQUIVALENCE FACTOR							TOTAL EF	
TIME	REGISTRATION	AXLE CONFIG.	1	2	3	4	5	6		7
		1.2	3.66 0.026	6.70 0.408						0.434
		1.1	1.94 0.001	2.14 0.002						0.003
		1.2	2.92 0.009	3.12 0.0125						0.0219
		1.2	2.34 0.003	2.08 0.002						0.005

AXLE LOAD SURVEY

NOTES

Direction to Oodi

ROAD	Oodi
SECTION	
PROFILE(S)	
DATE/SIGN	22/3/85

SURVEY		AXLE-LOAD								
TIME	REGIS-TRATION	AXLE CONFIG.	EQUIVALENCE FACTOR							TOTAL EF
			1	2	3	4	5	6	7	
		1.1	2.78	6.38						0.334
			0.008	0.326						
		1.1	1.98	2.42						0.006
			0.002	0.004						
		1.2-11	6.08	8.62	4.16	2.62				1.597
			0.262	1.283	0.047	0.006				
		1.2	1.90	3.02						0.013
			0.002	0.011						
		1.1	2.20	2.56						0.009
			0.003	0.006						
		1.2	3.62	11.78						5.339
			0.025	5.315						
		1.2	6.24	6.88						0.755
			0.295	0.460						
		1.2	2.56	2.58						0.012
			0.006	0.006						
		1.2-22	3.68	3.26	3.54	3.36				0.099
			0.027	0.033	0.022	0.018				

AXLE LOAD SURVEY

NOTES

- Direction to Mmamashia

ROAD
SECTION
PROFILE(S)
DATE/SIGN

000i

21/3/85

SURVEY	AXLE-LOAD											
	TIME	REGIS-TRATION	AXLE ' CONFIG.	EQUIVALENCE FACTOR							TOTAL EF	
				1	2	3	4	5	6	7		
/			1.2	5,98	4,96							0,347
				0,243	0,104							
			1.2	4,32	10,86							3,727
				0,055	3,671							
			1.2	2,80	2,88							0,016
				0,008	0,009							
			1.1	1,94	2,08							0,030
				0,01	0,002							
			1.1	2,22	2,26							0,060
				0,003	0,003							

AXLE LOAD SURVEY

<p>NOTES</p> <p style="font-size: 1.2em; font-family: cursive;">Direction to Mmamashia</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>ROAD</td><td>0001</td></tr> <tr><td>SECTION</td><td></td></tr> <tr><td>PROFILE(S)</td><td></td></tr> <tr><td>DATE/SIGN</td><td>22/3/85</td></tr> </table>	ROAD	0001	SECTION		PROFILE(S)		DATE/SIGN	22/3/85
ROAD	0001								
SECTION									
PROFILE(S)									
DATE/SIGN	22/3/85								

SURVEY		AXLE-LOAD									
TIME	REGIS-TRATION	AXLE CONFIG.	EQUIVALENCE FACTOR							TOTAL EF	
			1	2	3	4	5	6	7		
		1.2	2.10	1.70							
			0.002	0							0.003
		1.2	2.34	3.30							
			0.003	0.014							0.018
		1.2	4.52	6.36							
			0.068	0.032							0.390
		1.2	1.64	2.80							
			0	0.008							0.008
		1.1	1.78	1.62							
			0	0							0
		1.2	1.50	3.74							
			0.001	0.002							0.020
		1.2+11	3.04	3.40	2.0	2.08					
			0.011	0.019	0.002	0.002					0.034
		1.1	2.04	2.20							
			0.002	0.002							0.004
		1.2	2.60	3.42							
			0.008	0.020							0.028
		1.1	1.94	2.22							
			0.002	0.002							0.004

SECTION 1

PHOTOGRAPHS

NOTES	ROAD	00D1
	SECTION	1
	PROFILE(S)	
	DATE/SIGN	3/85



General view, section seen from km. 0.1.....to km. 1.1.....



General view, section seen from km. 1.1.....to km. 0.1.....

SERVICEABILITY RATING (PSR)

NOTES	ROAD	<i>Oodi</i>
	SECTION	<i>1</i>
	PROFILE(S)	
	DATE/SIGN	<i>17/3/85</i>

TYPE OF CAR: *Toyota st. w.*

MEASURING TEAM:

PERSON	NAME	TRIP	
		1	2
A	<i>CRE A.V. Lionjanga</i>	<i>3,5</i>	
B	<i>PRE-M. Enbuske</i>	<i>3,0</i>	
C	<i>F. NeHerberg</i>	<i>2,5</i>	
D	<i>G. Refsdal</i>	<i>3,7</i>	
E	<i>C. Overby</i>	<i>3,4</i>	

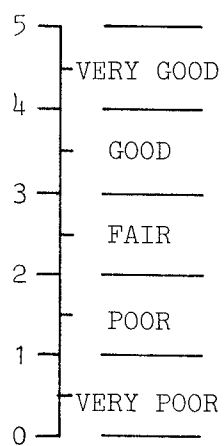
OTHER PERSONS (BUT NOT MORE THAN ONE MONTH
BEFORE OR AFTER DATE ABOVE)

a			
b			
c			
d			
e			

TOTAL SUM *16,1*

SUM ÷ No. PERSONS *3,2* (= PSR)

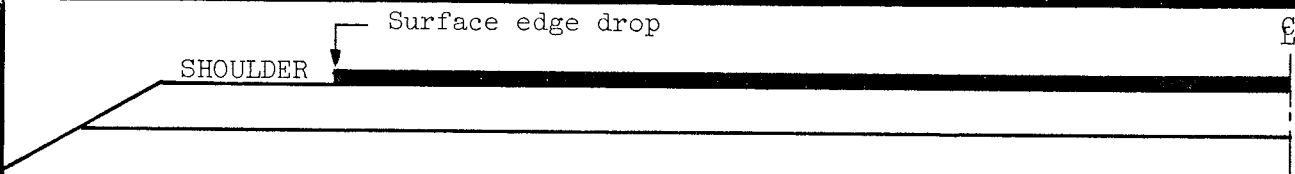
SIMPLIFIED RATING INSTRUCTIONS:



SPEED 80 km/h

EDGE DROP, MAX RUTTING and WIDTH OF SURFACING

NOTES	ROAD	Oodi
	SECTION	1
	PROFILE(S)	
	DATE/SIGN	2/3/85



PROFILE (m)	Edge drop (cm)	Max Rutting (mm)	Width of Surfacing (m)
100	4	3	5.01
300	4.5	13	5.05
500	4.5	7	5.02
700	3.5	3	4.91
900	4	3.5	5.05
AVERAGE	4.1	3.9	5.01

POTHOLES COUNT MEASUREMENT

NOTES	ROAD	<i>Oodi</i>
	SECTION	<i>1</i>
	PROFILE(S)	
	DATE/SIGN	<i>20/3/85</i>

KM	0	200	400	600	800	1000
No. POTHOLES						
<u>Patched</u>						SUM
Dim ≤ 10 cm	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Dim > 10 cm	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<u>Unpatched</u>						
Dim ≤ 10 cm	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="1"/>	<input type="text" value="1"/>
Dim > 10 cm	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

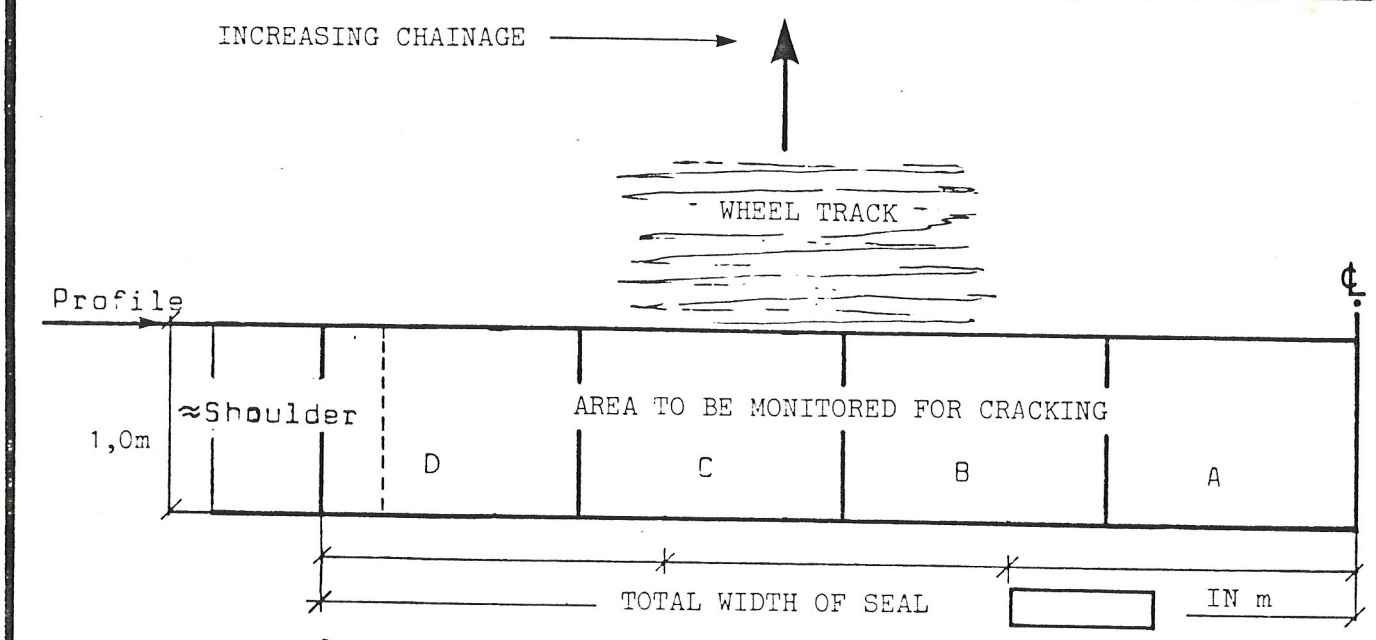
TOTAL NUMBER OF POTHOLES

Patched 0

Unpatched 1

CRACKING MEASUREMENTS

NOTES	ROAD	oodi
	SECTION	1
	PROFILE(S)	100
	DATE/SIGN	3/85



AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0.7m ²	218				
B -u-	62				
C -u-	67	58			
D 0.40m ²	38				
Σ length cm	385	58			
weighted number	0,5	1	4	8	8
Σ cm weighted	192,5	58			

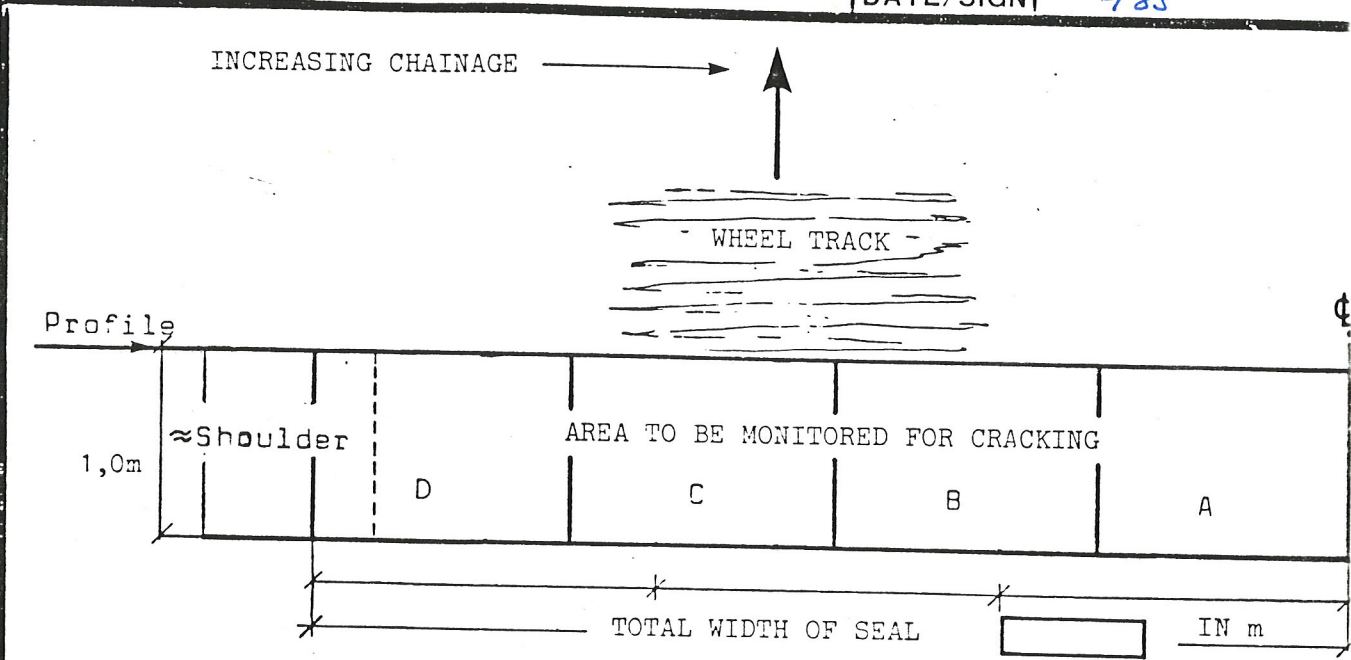
Total weighted length of cracks 2595

Total area (A+B+C+D) in m² 2,5

Weighted length of cracks ÷ area 100,2

CRACKING MEASUREMENTS

NOTES	ROAD	Oodi
	SECTION	1
	PROFILE(S)	500
	DATE/SIGN	3/85



AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0.7m ²					
B - -					
C - -	255				
D 0.40m ²	91				
Σ length cm	346				
weightea number	0,5	1	4	8	8
Σ cm weighted	173				

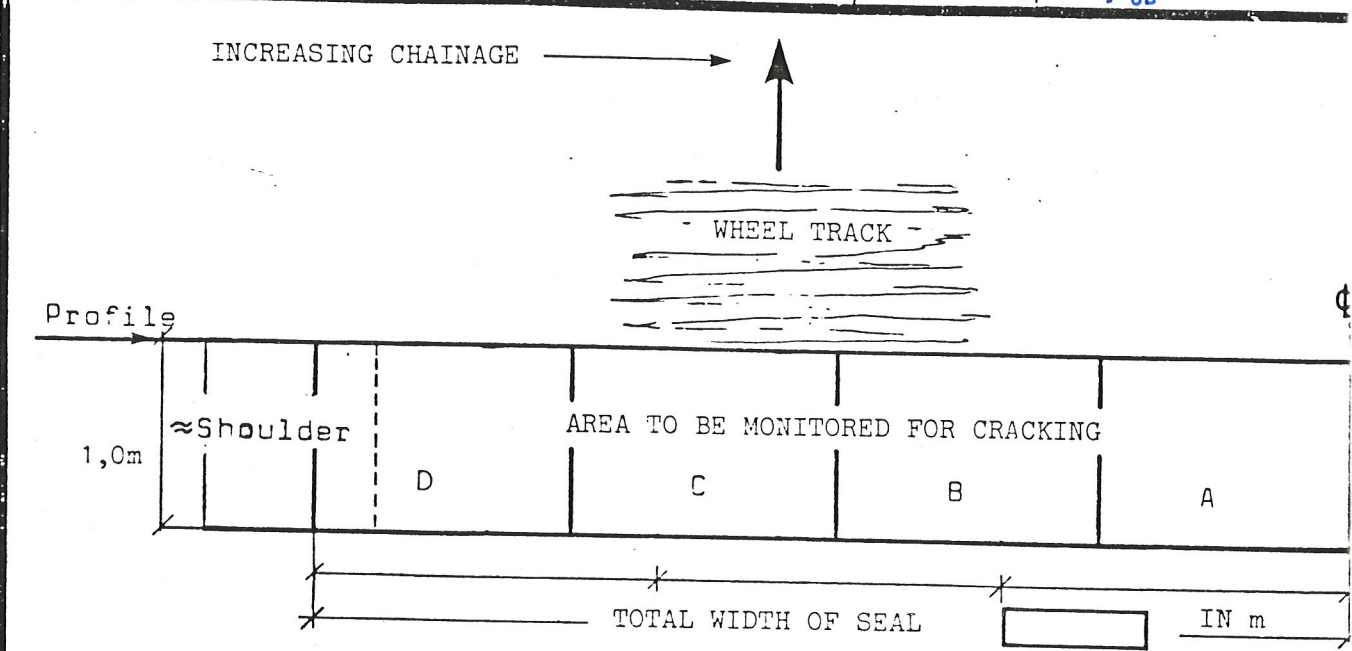
Total weighted length of cracks 173

Total area (A+B+C+D) in m² 2,5

Weighted length of cracks ÷ area 69,2

CRACKING MEASUREMENTS

NOTES	ROAD	0odi
	SECTION	1
	PROFILE(S)	900
	DATE/SIGN	3/85



AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0.7m ²					
B -u-	14				
C -u-	10				
D 0.4m ²	119				
Σ length cm	143				
weighted number	0,5	1	4	8	8
Σ cm weighted	71,5				

Total weighted length of cracks 71,5

Total area (A+B+C+D) in m² 2,5

Weighted length of cracks ÷ area 28,6

SECTION 2

PHOTOGRAPHS

NOTES

ROAD	00Di
SECTION	2
PROFILE(S)	
DATE/SIGN	3/85



General view, section seen from km. 1.5... to km. 2.5...



General view, section seen from km. 2.5... to km. 1.5...

SERVICEABILITY RATING (PSR)

NOTES	ROAD	<i>Oodi</i>
	SECTION	<i>2</i>
	PROFILE(S)	
	DATE/SIGN	<i>17/3/85</i>

TYPE OF CAR: *Toyota st. w.*

MEASURING TEAM:

PERSON	NAME	TRIP	
		1	2
A	<i>CRE A.V. Lionjanga</i>	<i>3,5</i>	
B	<i>PRE-M. Enbuske</i>	<i>3,0</i>	
C	<i>F. NeHerberg</i>	<i>2,5</i>	
D	<i>G. Refsdal</i>	<i>3,4</i>	
E	<i>C. Overby</i>	<i>3,4</i>	

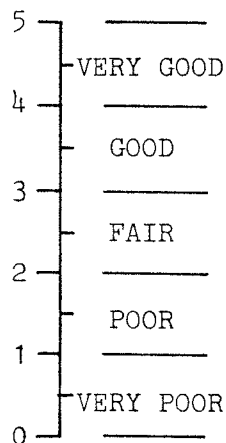
OTHER PERSONS (BUT NOT MORE THAN ONE MONTH BEFORE OR AFTER DATE ABOVE)

a			
b			
c			
d			
e			

TOTAL SUM *15,9*

SUM ÷ No. PERSONS *3,2* (= PSR)

SIMPLIFIED RATING INSTRUCTIONS:

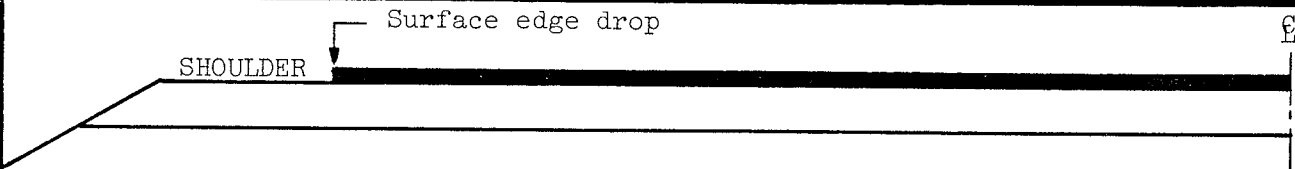


SPEED 80 km/h

EDGE DROP, MAX RUTTING and WIDTH OF SURFACING

NOTES

ROAD	Oodi
SECTION	2
PROFILE(S)	
DATE/SIGN	21/3/85



PROFILE (m)	Edge drop (cm)	Max Rutting (mm)	Width of Surfacing (m)
100	2.5	3	5.05
300	3.5	3	5.13
500	3.5	4	5.14
700	3.5	4	5.07
900	3.5	3	5.03
AVERAGE	3.3	3.4	5.08

POTHOLES COUNT MEASUREMENT

NOTES	ROAD	<i>Oodi</i>
	SECTION	<i>2</i>
	PROFILE(S)	
	DATE/SIGN	<i>20/3/85</i>

KM 0 200 400 600 800 1000

--	--	--	--	--	--	--	--	--	--

No. POTHOLES

						SUM
<u>Patched</u>						
Dim ≤ 10 cm	<input style="width: 50px; height: 20px;" type="text"/>	<input style="width: 50px; height: 20px;" type="text"/>	<input style="width: 50px; height: 20px;" type="text"/>	<input style="width: 50px; height: 20px;" type="text"/>	<input style="width: 50px; height: 20px;" type="text"/>	<input style="width: 50px; height: 20px;" type="text"/>
Dim > 10 cm	<input style="width: 50px; height: 20px;" type="text"/>	<input style="width: 50px; height: 20px;" type="text"/>	<input style="width: 50px; height: 20px;" type="text"/>	<input style="width: 50px; height: 20px;" type="text"/>	<input style="width: 50px; height: 20px;" type="text"/>	<input style="width: 50px; height: 20px;" type="text"/>
<u>Unpatched</u>						
Dim ≤ 10 cm	<input style="width: 50px; height: 20px;" type="text"/>	<input style="width: 50px; height: 20px;" type="text"/>	<input style="width: 50px; height: 20px;" type="text"/>	<input style="width: 50px; height: 20px;" type="text"/>	<input style="width: 50px; height: 20px;" type="text"/>	<input style="width: 50px; height: 20px;" type="text"/>
Dim > 10 cm	<input style="width: 50px; height: 20px;" type="text"/>	<input style="width: 50px; height: 20px;" type="text"/>	<input style="width: 50px; height: 20px;" type="text"/>	<input style="width: 50px; height: 20px;" type="text"/>	<input style="width: 50px; height: 20px;" type="text"/>	<input style="width: 50px; height: 20px;" type="text"/>

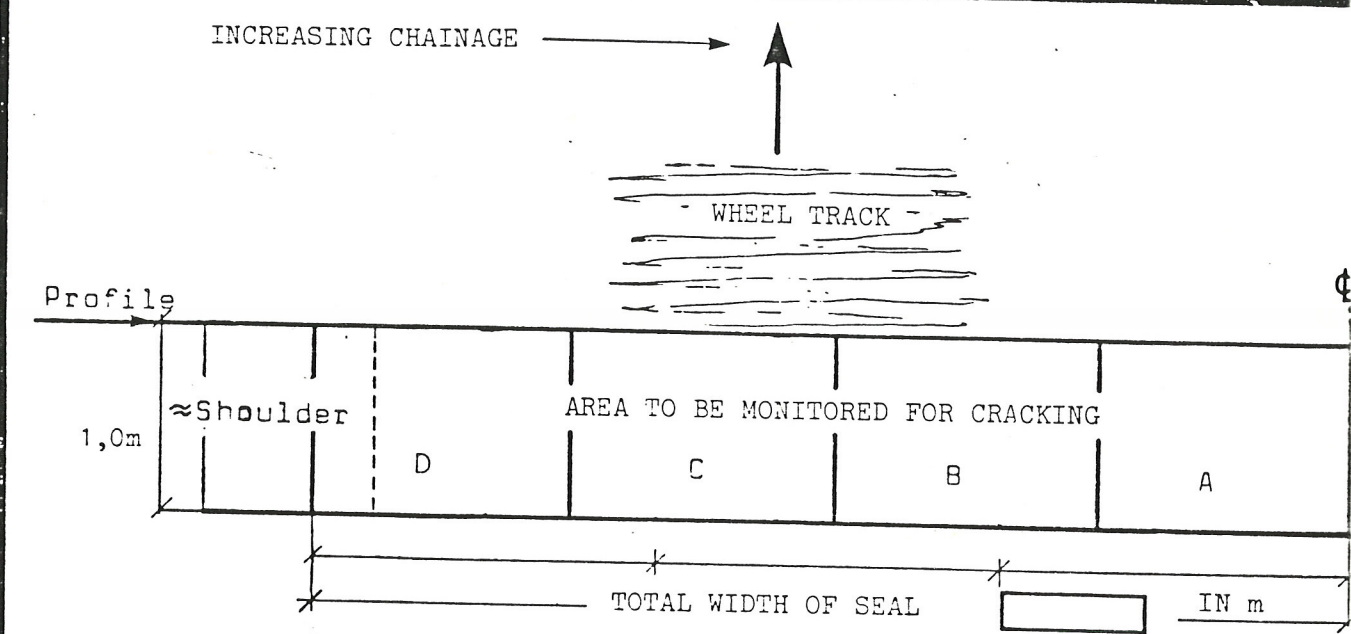
TOTAL NUMBER OF POTHOLES

Patched

Unpatched

CRACKING MEASUREMENTS

NOTES	ROAD	Oodi
	SECTION	2
	PROFILE(S)	100
	DATE/SIGN	3/85



AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0.7m ²	173				
B - -	15				
C - -	125				
D 0.45m ²	140				
Σ length cm	453				
weighted number	0,5	1	4	8	8
Σ cm weighted	226,5				

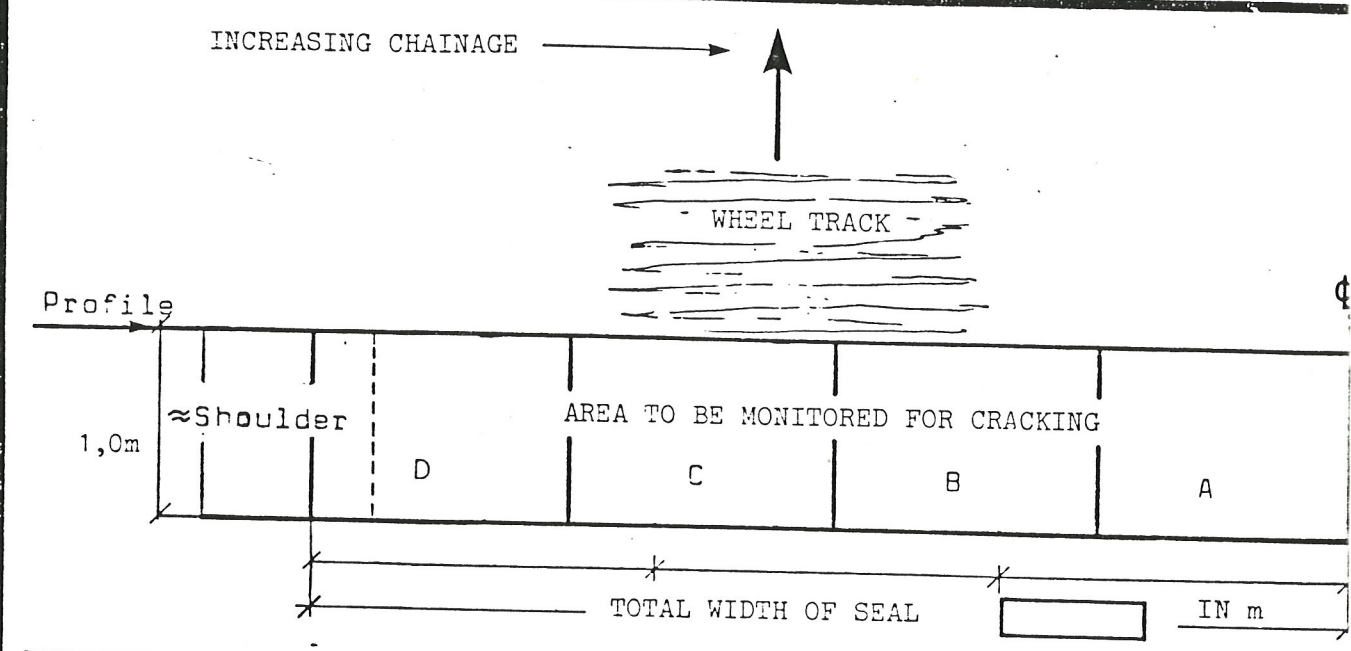
Total weighted length of cracks 226,5

Total area (A+B+C+D) in m² 2,65

Weighted length of cracks ÷ area 88,8

CRACKING MEASUREMENTS

NOTES	ROAD	Oodi
	SECTION	2
	PROFILE(S)	500
	DATE/SIGN	3/85



AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0.7m ²					
B -u-	24				
C -u-	110				
D 0.40m ²	126				
Σ length cm	260				
weighted number	0,5	1	4	8	8
Σ cm weighted	130				

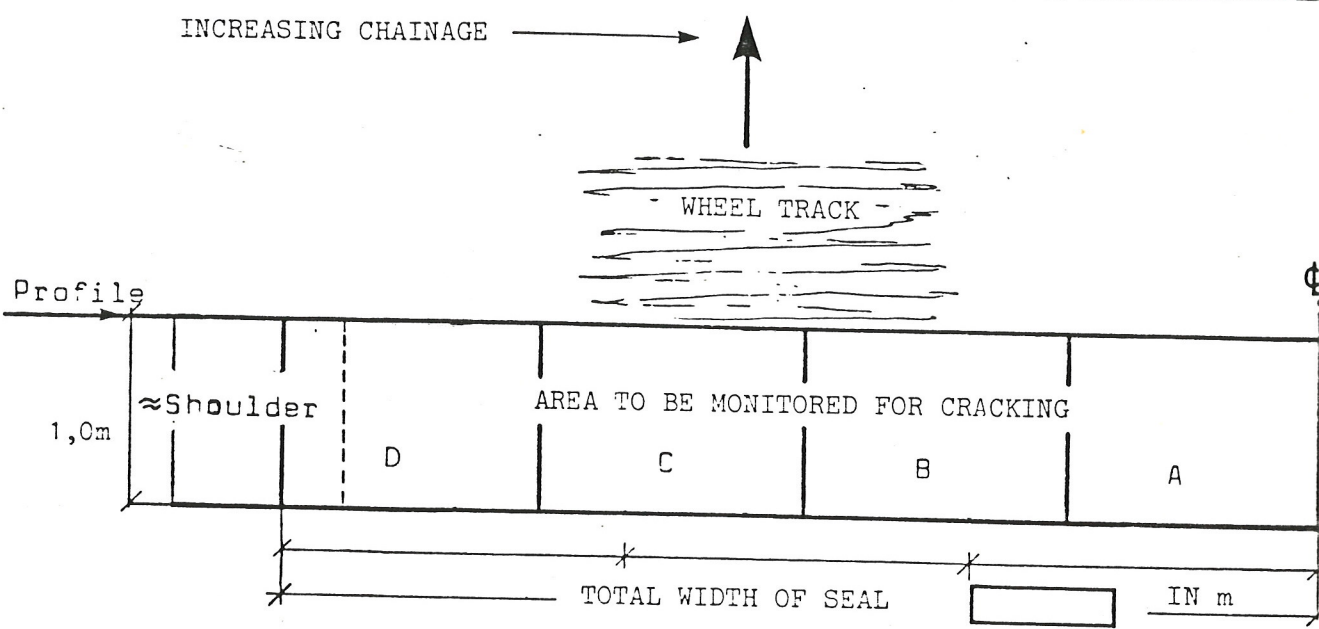
Total weighted length of cracks 130

Total area (A+B+C+D) in m² 2,5

Weighted length of cracks ÷ area 52

CRACKING MEASUREMENTS

NOTES	ROAD	0odi
	SECTION	2
	PROFILE(S)	900
	DATE/SIGN	3/85



AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0.7m ²					
B -u-	80				
C -u-	107				
D 0.4m ²	44				
Σ length cm	231				
weighted number	0,5	1	4	8	8
Σ cm weighted	115,5				

Total weighted length of cracks 115,5

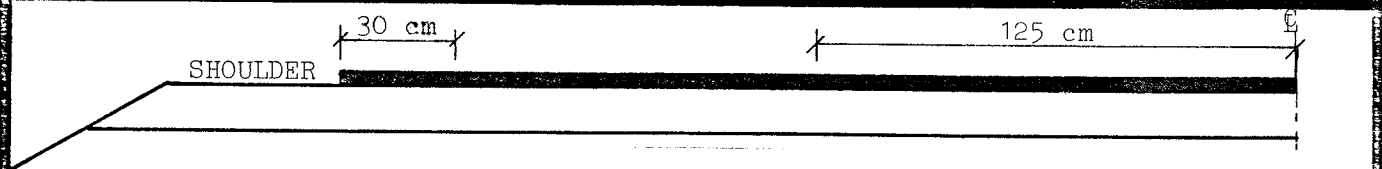
Total area (A+B+C+D) in m² 2,5

Weighted length of cracks ÷ area 46,2

DCP (1)

DYNAMIC CONE PENETROMETER

NOTES	ROAD	Oodi
	SECTION	2
	PROFILE(S)	
	DATE/SIGN	25/3/85



PROFILE: 100
Position: E

1,25 m

0,3 m edge

DEPTH, cm	DN	CBR
0-5	3,5	88
5-15	4,0	75
15-25	3,8	80
25-35	3,7	83
35-50	8,8	28

DN	CBR
3,4	90
4,3	68
2,8	120
1,8	220
3,2	100

DN	CBR
2,2	170
2,6	140
2,6	140
2,9	115
4,9	57

PROFILE: 500
Position: E

1,25 m

0,3 m edge

DEPTH, cm	DN	CBR
0-5	3,7	83
5-15	5,1	54
15-25	5,1	54
25-35	7,0	37
35-50	12,7	17

DN	CBR
1,8	220
2,9	115
4,6	61
3,5	88
6,3	42

DN	CBR
5,2	52
6,2	43
5,3	51
5,5	49
7,5	34

PROFILE: 900
Position: E

1,25 m

0,3 m edge

DEPTH, cm	DN	CBR
0-5	3,0	110
5-15	4,0	75
15-25	3,6	85
25-35	5,7	47
35-50	9,1	26

DN	CBR
1,8	220
2,8	120
3,6	85
6,1	44
7,8	32

DN	CBR
9,0	27
3,3	98
3,2	100
6,7	38
10,4	22

POSITIONS: 1982 Profile 2,00 m

1983 " 1,75 "

1984 " 1,50 "

1985 Profile 1,25 m

1986 " 1,00 "

1987 " 0,75 "

DCP

STRUCTURE NUMBER

NOTES

ROAD

Oodi

SECTION

2

PROFILE(S)

DATE/SIGN

25/3/85

CHAINAGE and POSITION	Surf. thickn.	BASE		SUBBASE		SUBGR. I		SUBGR. II		DSN ₅₀₀	PS ₁₀₀
		Thickn	DN	Thickn	DN	Thickn	DN	Thickn	DN		
100											
£	20	150	3.8	100	3.8	100	3.7	150	8.8	109.9	24.0
1,25 m	"	"	4.0	"	2.8	"	1.8	"	3.2	175.6	14.2
0,3 m from edge	"	"	2.5	"	2.6	"	2.9	"	4.9	163.6	24.5

500											
£	20	150	4.5	100	5.1	100	7.0	150	12.7	79.0	28.1
1,25 m	"	"	2.4	"	4.6	"	3.5	"	6.3	136.6	30.5
0,3 m from edge	"	"	5.8	"	5.3	"	5.5	"	7.5	100.0	17.2

900											
£	20	150	3.6	100	3.6	100	5.7	150	9.1	103.5	26.9
1,25 m	"	"	2.4	"	3.6	"	6.1	"	7.8	125.9	33.1
0,3 m from edge	"	"	4.1	"	3.2	"	6.7	"	10.4	97.2	25.1

AVERAGE VALUES FROM
DIFFERENTE POSITIONS

POSITION	DSN ₅₀₀	PS ₁₀₀
£	97.5	26.3
1,25 m	146.0	25.9
0,3 m from edge	120.3	22.3

AVERAGE VALUES
FOR THE SECTION

DSN ₅₀₀	PS ₁₀₀
121.3	24.8

SECTION 3

PHOTOGRAPHS

NOTES	ROAD	00di
	SECTION	3
	PROFILE(S)	
	DATE/SIGN	3/85



General view, section seen from km. 5.7... to km. 6.7...



General view, section seen from km. 6.7... to km. 5.7...

SERVICEABILITY RATING (PSR)

NOTES	ROAD	<i>Oodi</i>
	SECTION	<i>3</i>
	PROFILE(S)	
	DATE/SIGN	<i>17/3/85</i>

TYPE OF CAR: *Toyota s.w.*

MEASURING TEAM:

PERSON	NAME	TRIP	
		1	2
A	<i>CRE A.V. Lionjanga</i>	<i>3,0</i>	
B	<i>PRE-M. Enbuske</i>	<i>3,0</i>	
C	<i>F. NeHerberg</i>	<i>2,5</i>	
D	<i>G. Refsdal</i>	<i>3,5</i>	
E	<i>C. Overby.</i>	<i>3,3</i>	

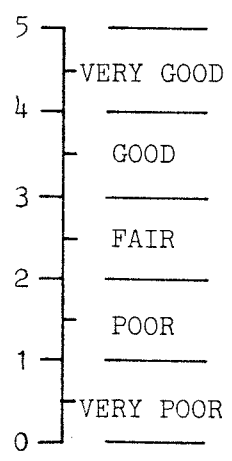
OTHER PERSONS (BUT NOT MORE THAN ONE MONTH BEFORE OR AFTER DATE ABOVE)

a			
b			
c			
d			
e			

TOTAL SUM *15,3*

SUM ÷ No. PERSONS *3,1* (= PSR)

SIMPLIFIED RATING INSTRUCTIONS:



SPEED 80 km/h

EDGE DROP, MAX RUTTING and WIDTH OF SURFACING

NOTES

ROAD

Oodi

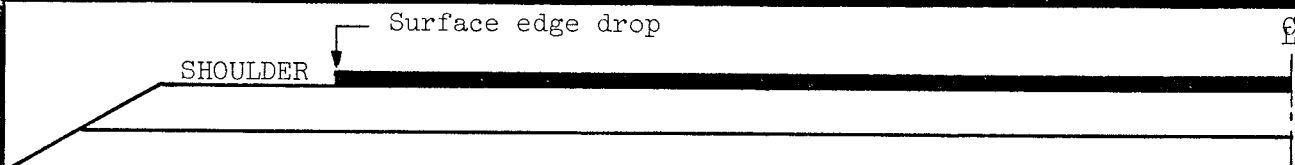
SECTION

3

PROFILE(S)

DATE/SIGN

21/3/85

SHOULDER 

PROFILE (m)	Edge drop (cm)	Max Rutting (mm)	Width of Surfacing (m)
100	4	3	4,64
300	4	6	4,87
500	3,5	5,5	4,75
700	4	4	4,79
900	3,5	5	5,02
AVERAGE	3,8	4,7	4,81

POTHOLES COUNT MEASUREMENT

NOTES	ROAD	<i>Oodi</i>
	SECTION	<i>3</i>
	PROFILE(S)	
	DATE/SIGN	<i>20/3/85</i>

KM	0	200	400	600	800	1000
No. POTHOLES						
<u>Patched</u>						SUM
Dim ≤ 10 cm	/					/
Dim > 10 cm	/		/	/		3
<u>Unpatched</u>						
Dim ≤ 10 cm						
Dim > 10 cm						

TOTAL NUMBER OF POTHOLES

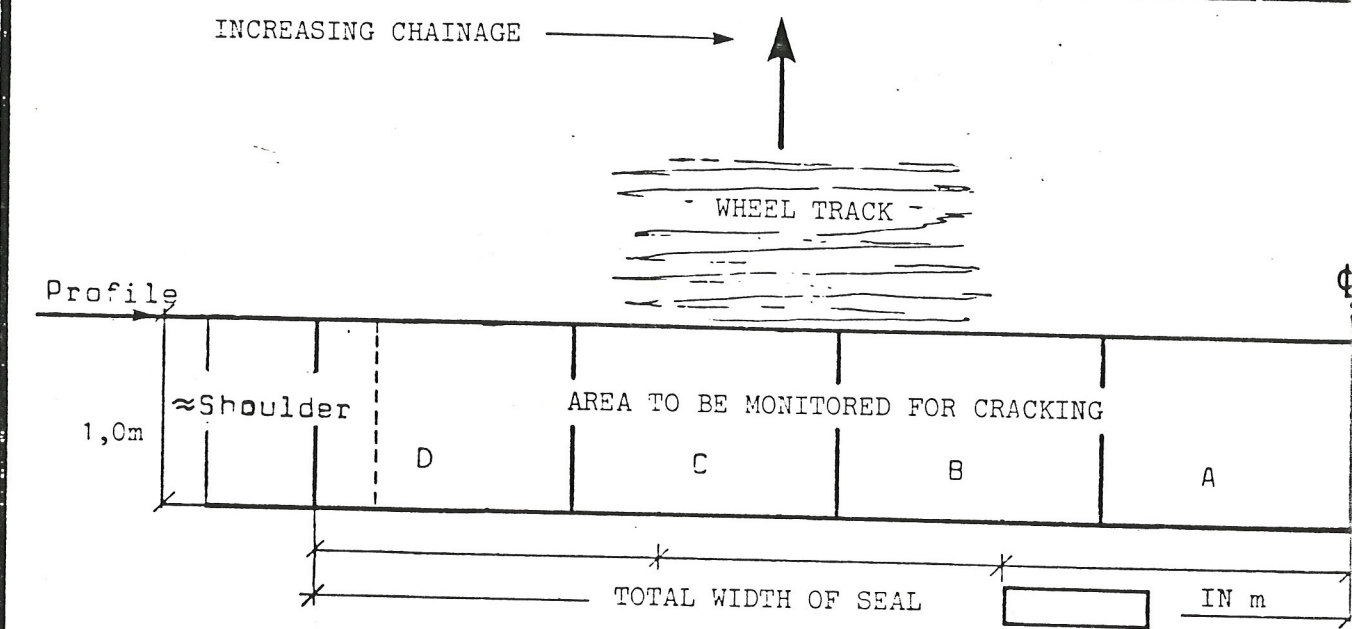
Patched 4

Unpatched 0

All potholes 1st seal.

CRACKING MEASUREMENTS

NOTES	ROAD	0odi
	SECTION	3
	PROFILE(S)	100
	DATE/SIGN	3/85



AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0,7m ²					
B - - -					
C - - -					
D 0,25m ²					
Σ length cm					
weighted number	0,5	1	4	8	8
Σ cm weighted					

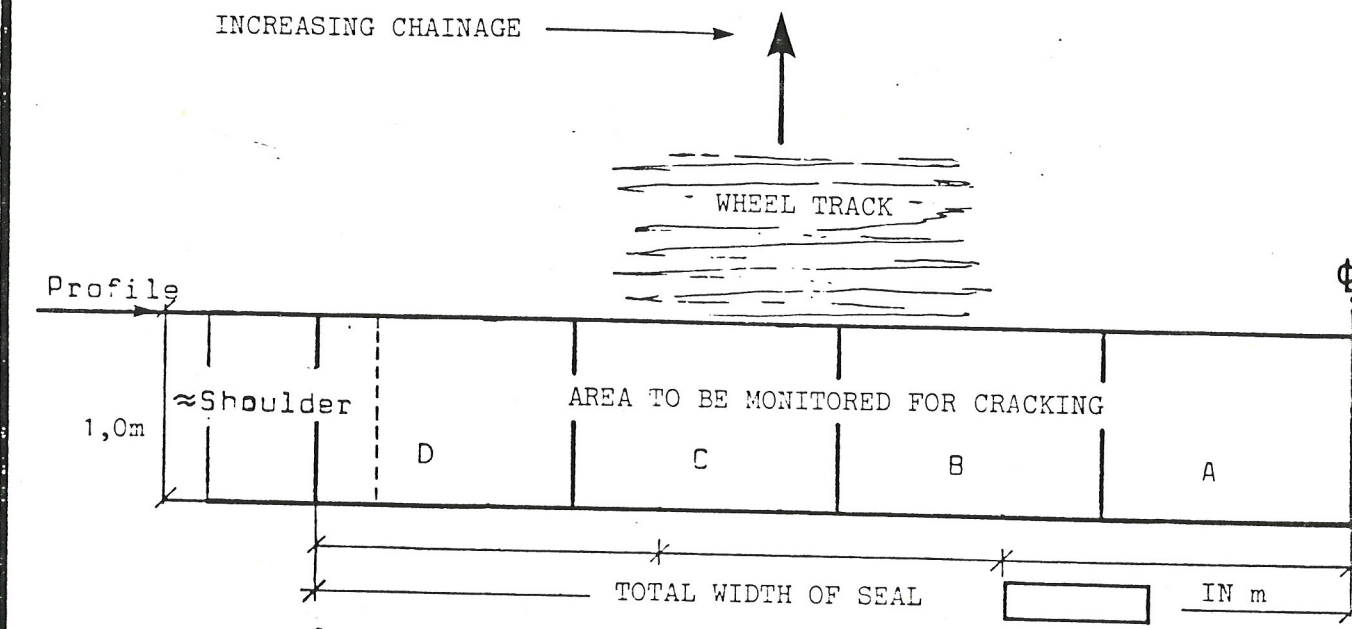
Total weighted length of cracks

Total area (A+B+C+D) in m²

Weighted length of cracks ÷ area

CRACKING MEASUREMENTS

NOTES	ROAD	Godi
	SECTION	3
	PROFILE(S)	500
	DATE/SIGN	3/85



AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0.7m ²					
B -" -					
C -" -					
D 0.35	23				
Σ length cm	23				
weighted number	0,5	1	4	8	8
Σ cm weighted	11,5				

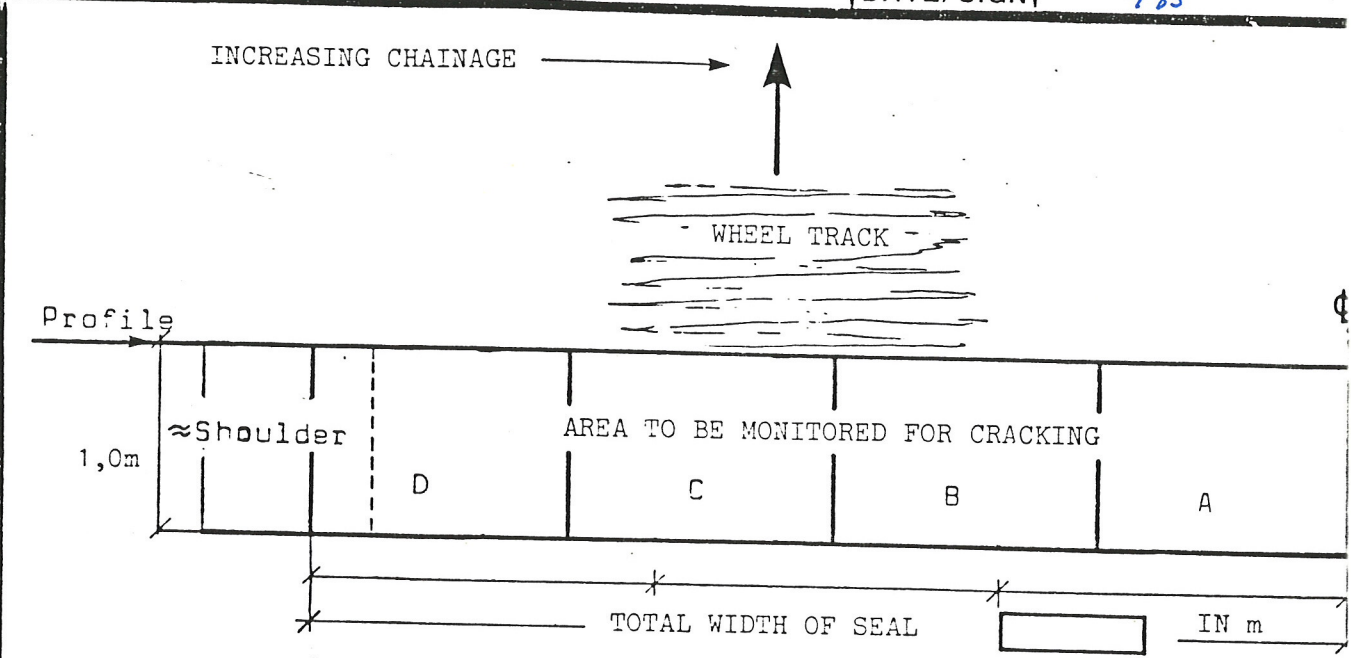
Total weighted length of cracks 11,5

Total area (A+B+C+D) in m² 2,45

Weighted length of cracks ÷ area 4,7

CRACKING MEASUREMENTS

NOTES	ROAD	0odi
	SECTION	3
	PROFILE(S)	900
	DATE/SIGN	3/85



AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0.7m ²					
B ~u~					
C ~u~					
D 0.45m ²					
Σ length cm					
weighted number	0,5	1	4	8	8
Σ cm weighted					

Total weighted length of cracks

Total area (A+B+C+D) in m²

Weighted length of cracks ÷ area

SECTION 4

PHOTOGRAPHS

NOTES

ROAD	0001
SECTION	4
PROFILE(S)	
DATE/SIGN	3/85



General view, section seen from km. 8.0... to km. 9.0...



General view, section seen from km. 9.0... to km. 8.0...

SERVICEABILITY RATING (PSR)

NOTES	ROAD	Oodi
	SECTION	4
	PROFILE(S)	
	DATE/SIGN	17/3/85

TYPE OF CAR: Toyota s.w.

MEASURING TEAM:

PERSON	NAME	TRIP	
		1	2
A	CRE A.V. Lionjanga	3,0	
B	PRE-M. Enbuske	3,0	
C	F. Netherberg	2,0	
D	G. Rofsdaal	3,3	
E	C. Overby	3,2	

OTHER PERSONS (BUT NOT MORE THAN ONE MONTH BEFORE OR AFTER DATE ABOVE)

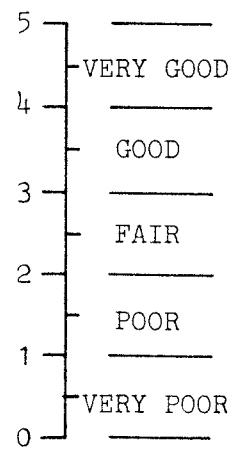
a			
b			
c			
d			
e			

TOTAL SUM

SUM ÷ No. PERSONS (= PSR)

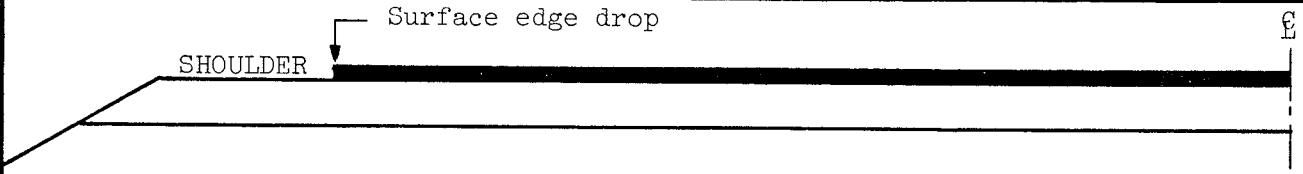
SIMPLIFIED RATING INSTRUCTIONS:

SPEED 80 km/h



EDGE DROP, MAX RUTTING and WIDTH OF SURFACING

NOTES	ROAD	Oodi
	SECTION	4
	PROFILE(S)	
	DATE/SIGN	21/3/85



PROFILE (m)	Edge drop (cm)	Max Rutting (mm)	Width of Surfacing (m)
100	2	3	4,99
300	2	3	4,99
500	3,5	3	4,91
700	4	4	4,86
900	3	3	4,86
AVERAGE	2,9	3,2	4,92

POTHOLES COUNT MEASUREMENT

NOTES	ROAD	Oodi
	SECTION	4
	PROFILE(S)	
	DATE/SIGN	20/3/85

KM	0	200	400	600	800	1000
No. POTHOLES						
<u>Patched</u>						SUM
Dim ≤ 10 cm	3	1		1	1	6
Dim > 10 cm		1	4	4	1	10
<u>Unpatched</u>						
Dim ≤ 10 cm	2	2	1		14	19
Dim > 10 cm		1	1		1	3

TOTAL NUMBER OF POTHOLES

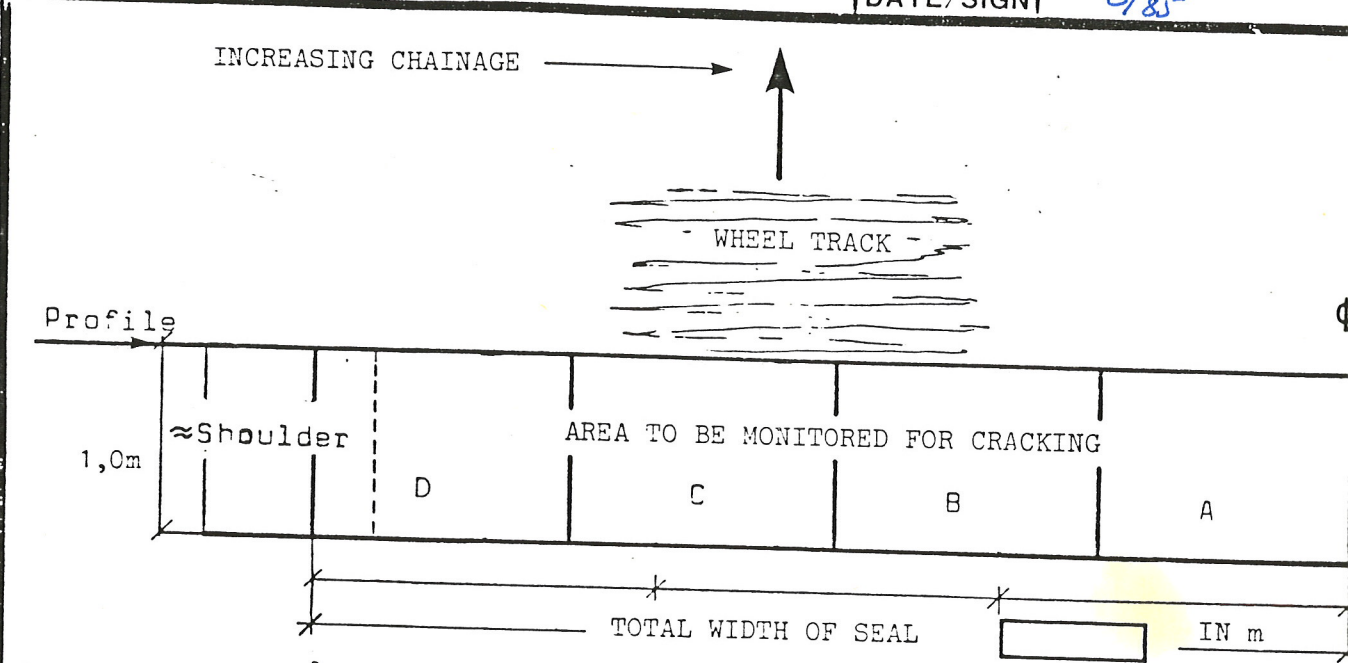
Patched 16

Unpatched 22

Most of these unpatched potholes have a diameter of about 1-3 cm

CRACKING MEASUREMENTS

NOTES	ROAD	Oodi
	SECTION	4
	PROFILE(S)	100
	DATE/SIGN	3/85



AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0,7m ²					
B - - -	21				
C - - -					
D 0,35m ²	100				
Σ length cm	121				
weighted number	0,5	1	4	8	8
Σ cm weighted	60,5				

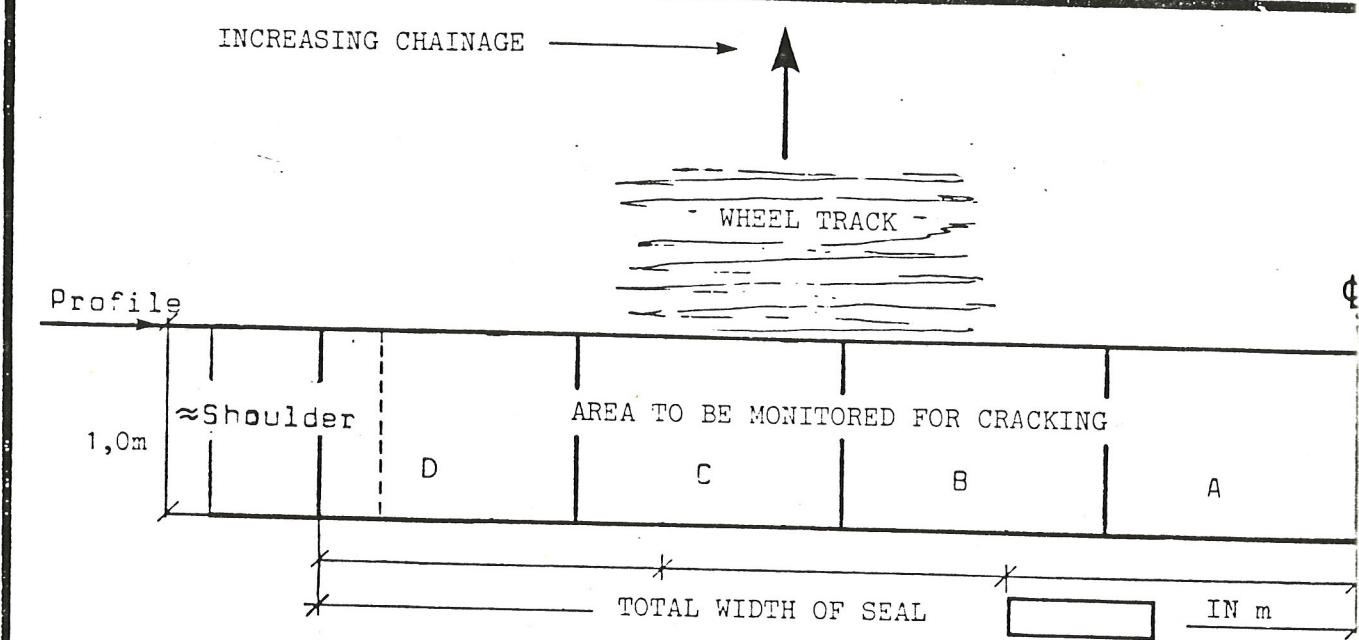
Total weighted length of cracks 60,5

Total area (A+B+C+D) in m² 2,45

Weighted length of cracks ÷ area 24,7

CRACKING MEASUREMENTS

NOTES	ROAD	0odi
	SECTION	4
	PROFILE(S)	500
	DATE/SIGN	3/85



AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0.7m ²	127				
B -"-					
C -"-					
D 0.35m ²					
Σ length cm	127				
weighted number	0,5	1	4	8	8
Σ cm weighted	63,5				

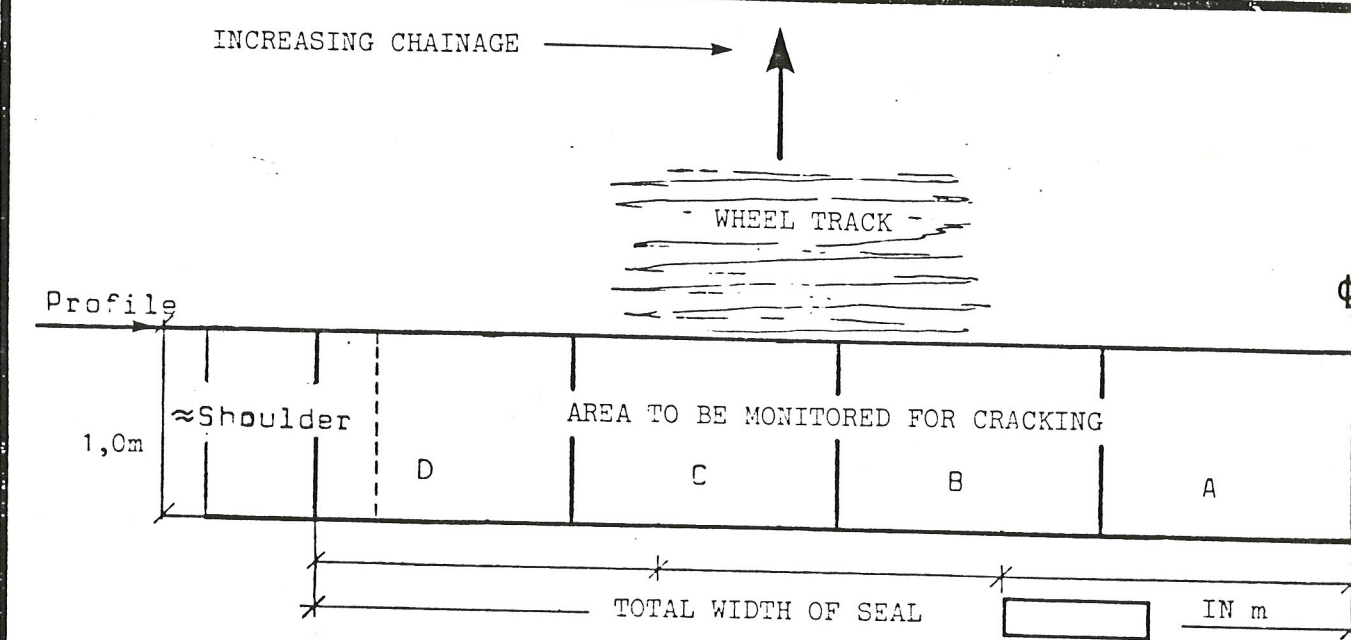
Total weighted length of cracks 63,5

Total area (A+B+C+D) in m² 2,45

Weighted length of cracks ÷ area 25,9

CRACKING MEASUREMENTS

NOTES	ROAD	0odi
	SECTION	4
	PROFILE(S)	900
	DATE/SIGN	3/85



AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0.7m ²	30				
B -u-	234				
C -u-	44				
D 0.30m ²	85				
Σ length cm	393				
weighted number	0,5	1	4	8	8
Σ cm weighted	196,5				

Total weighted length of cracks 196,5

Total area (A+B+C+D) in m² 2,4

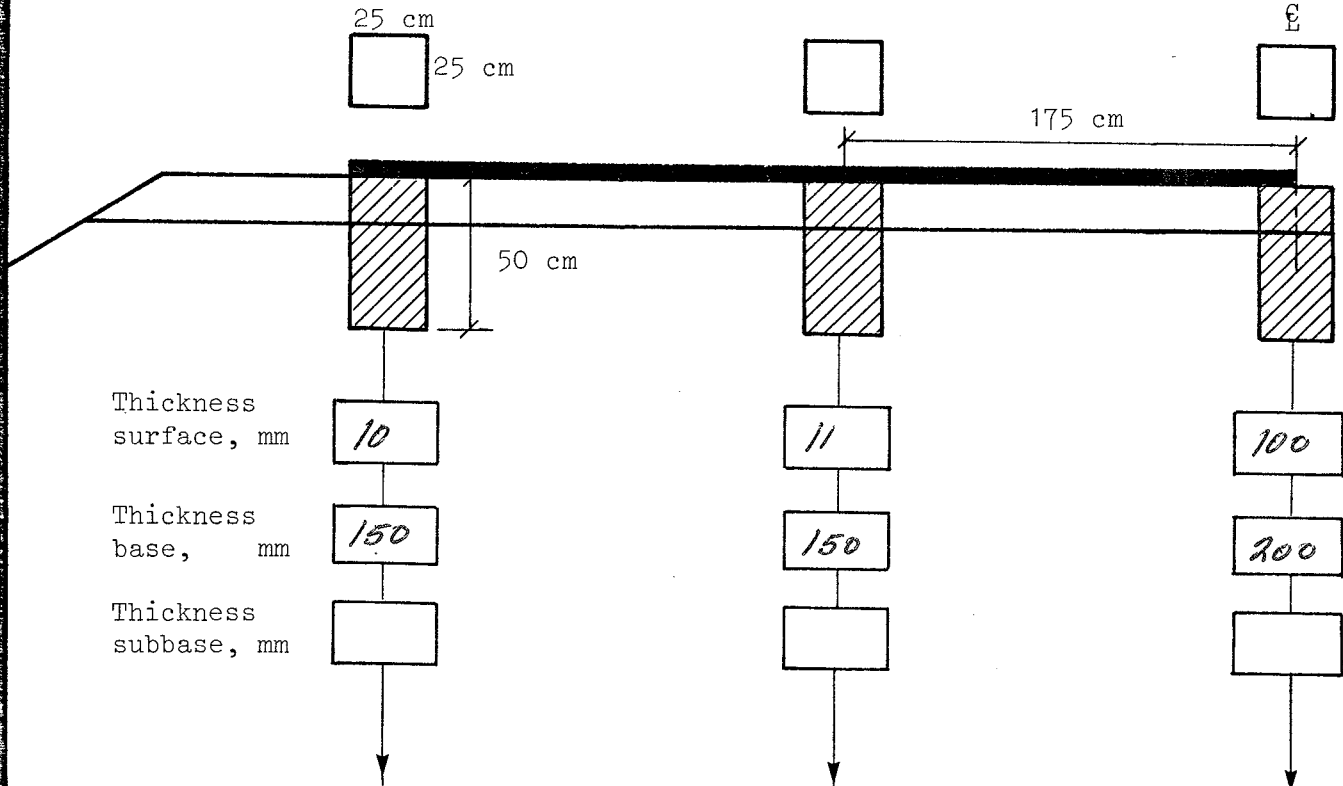
Weighted length of cracks ÷ area 81,9

MOISTURE (3)

IN-SITU SAMPLING ONLY

NOTES

ROAD	Oodi
SECTION	4
PROFILE(S)	900
DATE/SIGN	27/3/85



		Moisture %				
Sample	Depth	I	II	III	IV	Average
	0-5 cm	4.2	4.3	3.8	4.3	4.2
	5-15 "	4.5	4.5	4.9	4.9	4.7
	15-25 "	4.0	3.4	3.8	3.2	3.6
	25-35 "	3.8	3.6	3.6	3.9	3.7
	35-50 "	4.5	3.9	3.9	4.4	4.2

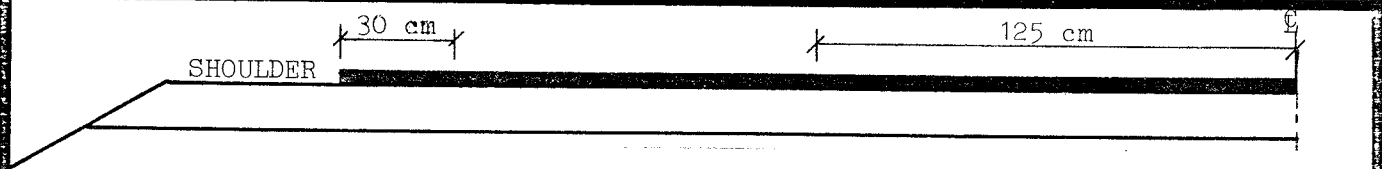
		Moisture %				
Sample	Depth	I	II	III	IV	Average
	0-5 cm	3.7	3.8	3.9	3.9	3.8
	5-15 "	4.0	4.2	4.3	4.7	4.3
	15-25 "	3.3	3.3	3.2	3.2	3.3
	25-35 "	2.8	2.9	2.9	3.1	2.9
	35-50 "	3.8	3.3	3.1	3.5	3.4

		Moisture %				
Sample	Depth	I	II	III	IV	Average
	0-5 cm	1.4	1.6	1.5	1.4	1.5
	5-15 "	2.2	2.1	2.0	2.0	2.1
	15-25 "	3.5	3.6	3.8	3.5	3.6
	25-35 "	1.9	2.0	2.3	2.2	2.1
	35-50 "	2.0	2.0	2.1	2.1	2.1

DCP (1)

DYNAMIC CONE PENETROMETER

NOTES	ROAD	Oodi
	SECTION	4
	PROFILE(S)	
	DATE/SIGN	25/3/85



PROFILE: 100
Position: E

1,25 m

0,3 m edge

DEPTH, cm	DN	CBR
0-5	2,0	180
5-15	2,0	180
15-25	2,5	140
25-35	5,7	47
35-50	8,1	30

DN	CBR
4,9	57
4,7	60
6,9	38
8,5	29
10,6	22

DN	CBR
10,0	22
9,5	24
14,3	15
17,8	10
10,2	22

PROFILE: 500
Position: E

1,25 m

0,3 m edge

DEPTH, cm	DN	CBR
0-5	4,9	57
5-15	2,0	180
15-25	2,8	120
25-35	3,1	106
35-50	5,8	46

DN	CBR
1,3	320
0,5	7460
7,4	

DN	CBR
5,9	46
4,5	64
3,2	100
4,0	75
4,9	57

PROFILE: 900
Position: E

1,25 m

0,3 m edge

DEPTH, cm	DN	CBR
0-5	4,3	68
5-15	4,4	66
15-25	5,5	49
25-35	8,0	30
35-50	8,7	28

DN	CBR
3,0	110
2,9	115
2,7	130
5,2	52
7,5	34

DN	CBR
5,4	50
6,0	45
5,5	49
9,2	26
10,3	22

POSITIONS: 1982 Profile 2,00 m

1983 " 1,75 "

1984 " 1,50 "

1985 Profile 1,25 m

1986 " 1,00 "

1987 " 0,75 "

DCP

STRUCTURE NUMBER

NOTES

ROAD	Oodi
SECTION	4
PROFILE(S)	
DATE/SIGN	25/3/86

CHAINAGE and POSITION	Surf. thickn.	BASE		SUBBASE		SUBGR. I		SUBGR. II		DSN ₅₀₀	PS ₁₀₀
		Thickn	DN	Thickn	DN	Thickn	DN	Thickn	DN		
100											
£	10	150	2.0	100	2.5	100	5.7	100	8.1	144.9	34.5
1,25 m	"	"	4.8	"	6.9	"	8.5	"	10.6	66.9	31.1
0,3 mm from edge	"	"	9.7	"	14.3	"	17.8	"	10.2	37.9	33.1

500											
£	10	150	2.3	100	2.8	100	3.1	100	5.8	150.4	28.9
1,25 m	"	"	0.7	"	T.H.	"	T.H.	"	7.4	—	—
0,3 m from edge	"	"	4.9	"	2.8	"	3.1	"	5.8	115.8	17.6

900											
£	10	150	4.3	100	5.5	100	9.2	100	10.3	92.5	25.1
1,25 m	"	"	2.9	"	2.7	"	5.2	"	7.5	121.3	28.4
0,3 m from edge	"	"	5.8	"	5.5	"	8.0	"	8.7	55.5	31.0

AVERAGE VALUES FROM
DIFFERENTE POSITIONS

POSITION	DSN ₅₀₀	PS ₁₀₀
£	129.3	29.5
1,25 m	94.1	29.8
0,3 m from edge	69.7	27.2

AVERAGE VALUES
FOR THE SECTION

DSN ₅₀₀	PS ₁₀₀
97.7	28.8

SECTION 5

PHOTOGRAPHS

NOTES

ROAD	00Di
SECTION	5
PROFILE(S)	
DATE/SIGN	3/85



General view, section seen from km. 10.0 to km. 11.0



General view, section seen from km. 11.0 to km. 12.0

SERVICEABILITY RATING (PSR)

NOTES	ROAD	Oodi
	SECTION	5
	PROFILE(S)	
	DATE/SIGN	17/3/85

TYPE OF CAR: Toyota st. w.

MEASURING TEAM:

PERSON	NAME	TRIP	
		1	2
A	CRE A.V. Lionjanga	3,0	
B	PRE-M. Enbuske	3,0	
C	F. NeHerberg	2,5	
D	G. Refsdal	3,4	
E	C. Overby	3,3	

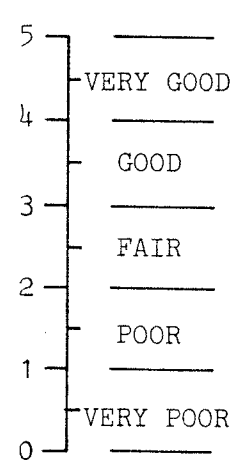
OTHER PERSONS (BUT NOT MORE THAN ONE MONTH BEFORE OR AFTER DATE ABOVE)

a			
b			
c			
d			
e			

TOTAL SUM 15,2

SUM ÷ No. PERSONS 3,0 (= PSR)

SIMPLIFIED RATING INSTRUCTIONS:

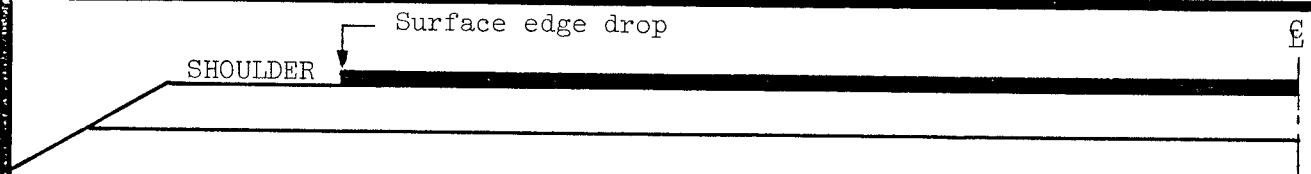


SPEED 80 km/h

**EDGE DROP, MAX RUTTING
and WIDTH OF SURFACING**

NOTES

ROAD	Oodi
SECTION	5
PROFILE(S)	
DATE/SIGN	21/3/85



PROFILE (m)	Edge drop (cm)	Max Rutting (mm)	Width of Surfacing (m)
100	1	4	4.22
300	1	3	4.58
500	2	5	4.61
700	2.5	5	4.46
900	2	6	4.89 Edge patched
AVERAGE	1.7	4.6	4.47

POTHOLES COUNT MEASUREMENT

NOTES	ROAD	<i>Oodi</i>
	SECTION	<i>5</i>
	PROFILE(S)	
	DATE/SIGN	<i>20/3/85</i>

KM	0	200	400	600	800	1000
No. POTHOLES						
						SUM
<u>Patched</u>						
Dim ≤ 10 cm	1		1			2
Dim > 10 cm	1	1			1	3
<u>Unpatched</u>						
Dim ≤ 10 cm	2			1		3
Dim > 10 cm	1	1				2

TOTAL NUMBER OF POTHOLES

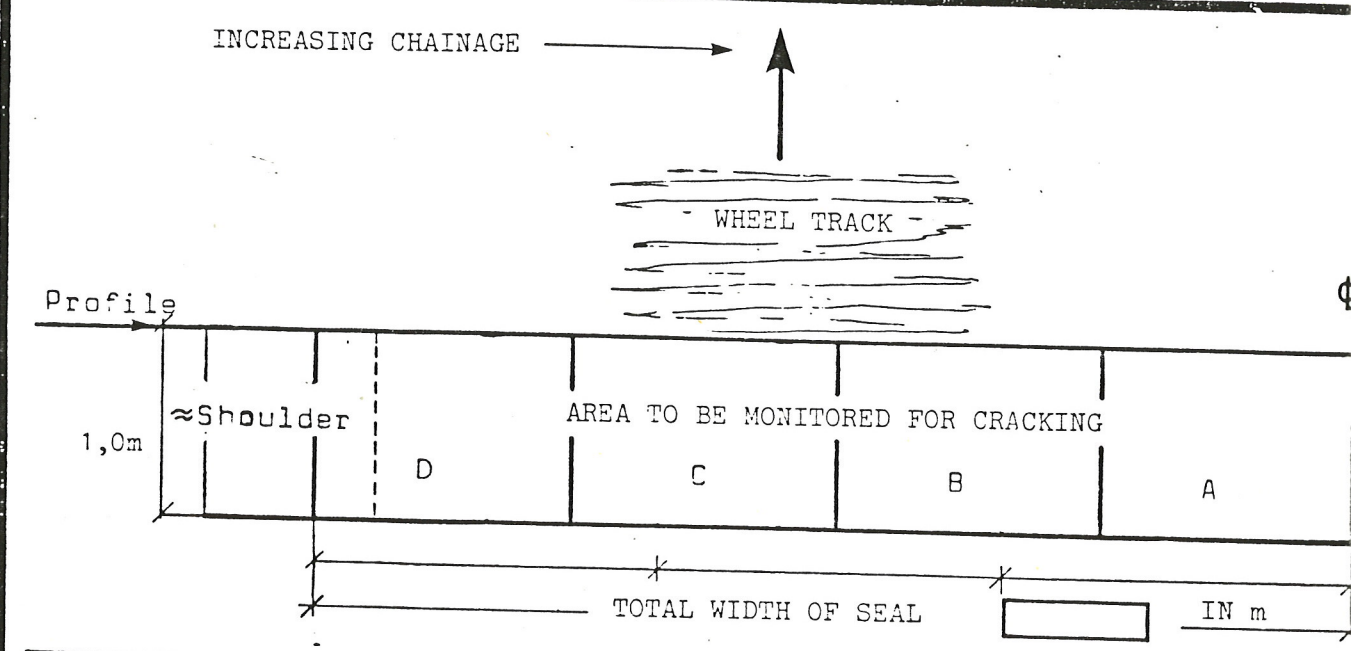
Patched 5

Unpatched 5

Only 2 potholes 2nd seal

CRACKING MEASUREMENTS

NOTES	ROAD	Oodi
	SECTION	5
	PROFILE(S)	100
	DATE/SIGN	3/85

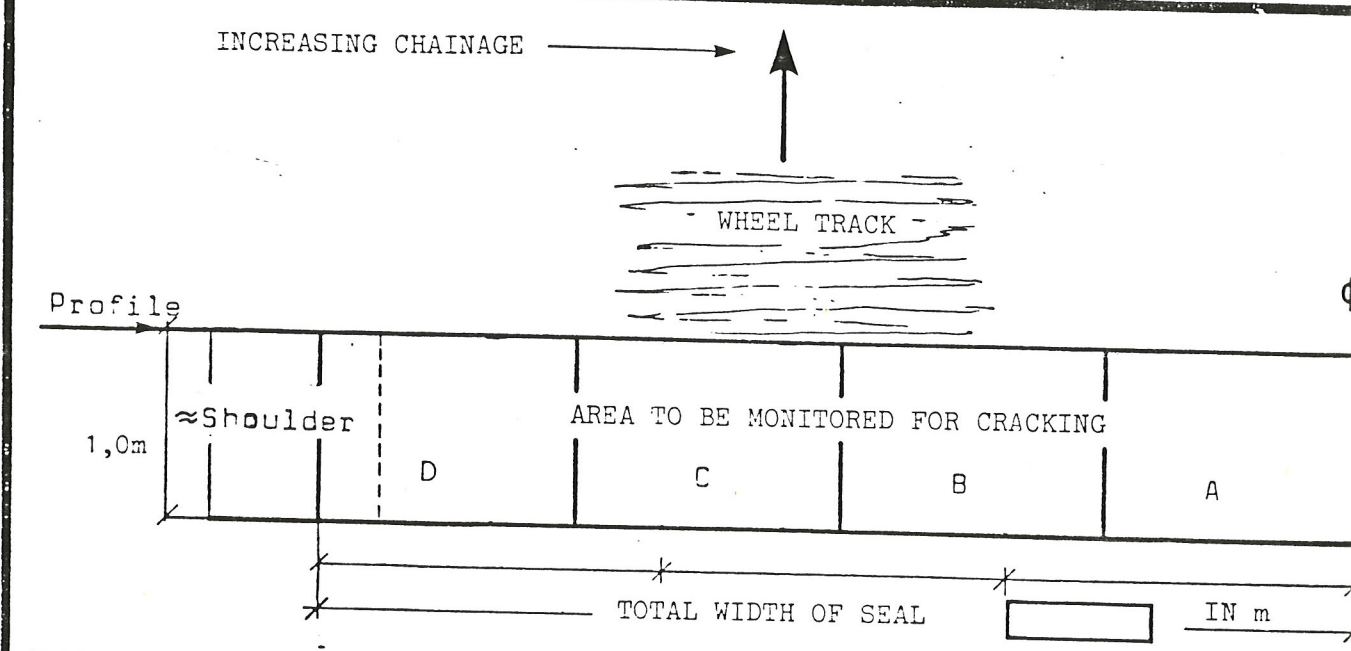


AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0.7m ²					
B -u-					
C -u-	40				
D 0.1m ²					
Σ length cm	40				
weighted number	0,5	1	4	8	8
Σ cm weighted	20				

Total weighted length of cracks 20
 Total area (A+B+C+D) in m² 2,1
 Weighted length of cracks ÷ area 9,5

CRACKING MEASUREMENTS

NOTES	ROAD	Oodi
	SECTION	5
	PROFILE(S)	500
	DATE/SIGN	3/85



AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0,7m ²					
B -u-	140				
C -u-					
D 0,13m ²					
Σ length cm	140				
weighted number	0,5	1	4	8	8
Σ cm weighted	70				

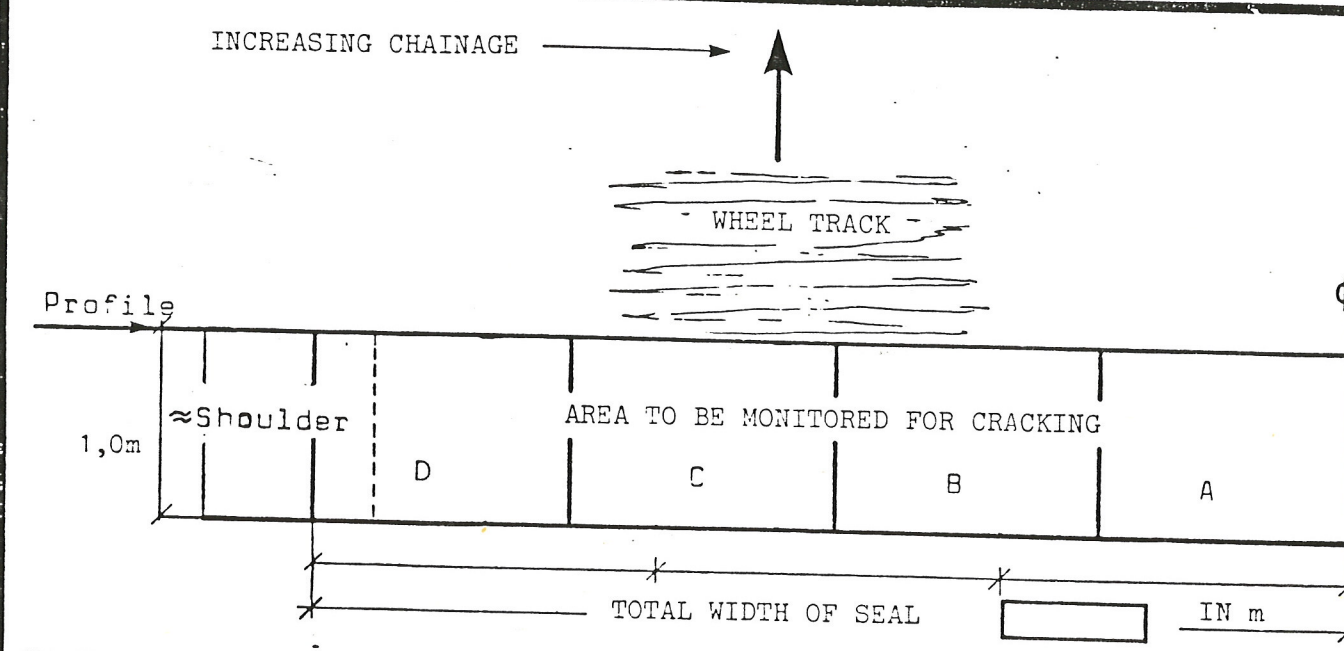
Total weighted length of cracks 70

Total area (A+B+C+D) in m² 2,23

Weighted length of cracks ÷ area 31,4

CRACKING MEASUREMENTS

NOTES	ROAD	Oodi
	SECTION	5
	PROFILE(S)	900
	DATE/SIGN	3/85



AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0.7m ²					
B -u-					
C -u-	25				
D 0.40m ²					
Σ length cm	25				
weighted number	0,5	1	4	8	8
Σ cm weighted	12,5				

Total weighted length of cracks 12,5

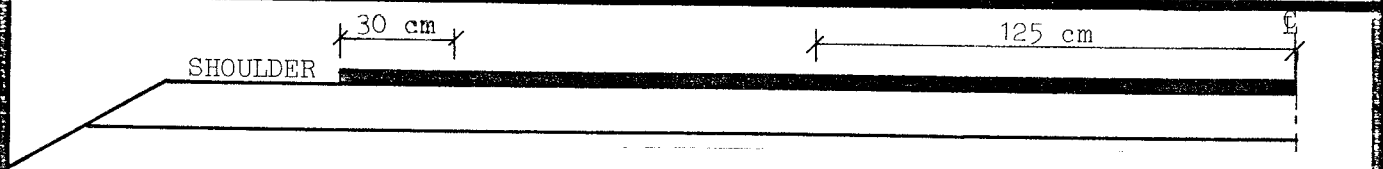
Total area (A+B+C+D) in m² 2,5

Weighted length of cracks ÷ area 5

DCP (1)

DYNAMIC CONE PENETROMETER

NOTES	ROAD	Oodi
	SECTION	5
	PROFILE(S)	
	DATE/SIGN	25/3/85



PROFILE: 100
Position: E

1,25 m

0,3 m edge

DEPTH, cm	DN	CBR
0-5	1.1	400
5-15	0.5	7460
15-25	2.2	170
25-35	4.1	73
35-50	11.8	19

DN	CBR
5.2	52
4.1	73
7.2	36
12.0	18
19.7	9

DN	CBR
8.0	30
8.7	28
12.0	18
14.4	15
22.0	8

PROFILE: 500
Position: E

1,25 m

0,3 m edge

DEPTH, cm	DN	CBR
0-5	1.0	460
5-15	7.4	
15-25		
25-35		
35-50		

DN	CBR
1.0	460
7.4	

DN	CBR
10.0	22
5.0	56
3.6	85
4.6	61
7.5	34

PROFILE: 900
Position: E

1,25 m

0,3 m edge

DEPTH, cm	DN	CBR
0-5	2.8	120
5-15	7.4	
15-25		
25-35		
35-50		

DN	CBR
1.1	400
7.4	

DN	CBR
3.5	88
2.6	140
3.0	110
6.0	45
16.2	12

POSITIONS:

1982 Profile 2,00 m	<input type="checkbox"/>
1983 " 1,75 "	<input type="checkbox"/>
1984 " 1,50 "	<input type="checkbox"/>

1985 Profile 1,25 m	<input type="checkbox"/>
1986 " 1,00 "	<input type="checkbox"/>
1987 " 0,75 "	<input type="checkbox"/>

DCP

STRUCTURE NUMBER

NOTES

ROAD	Oodi
SECTION	5
PROFILE(S)	
DATE/SIGN	25/3/85

CHAINAGE and POSITION	Surf. thickn.	BASE		SUBBASE		SUBGR. I		SUBGR. II		DSN ₅₀₀	PS ₁₀₀
		Thickn	DN	Thickn	DN	Thickn	DN	Thickn	DN		
100											
£	20	150	0,6	100	2,2	100	4,1	150	11,8	332,6	50,1
1,25 m	"	"	4,6	"	7,2	"	12,0	"	19,7	62,5	34,8
0,3 m from edge	"	"	8,5	"	12,0	"	14,4	"	22	39,7	29,6

500											
£	20	150	T.H	100	T.H	100	T.H	150	T.H	—	—
1,25 m	"	"	1,1	"	T.H	"	T.H	"	T.H	—	—
0,3 m from edge	"	"	6,0	"	3,6	"	4,6	"	7,5	94,5	17,6

900											
£	20	150	T.H	100	T.H	100	T.H	150	T.H	—	—
1,25 m	"	"	T.H	"	T.H	"	T.H	"	T.H	—	—
0,3 m from edge	"	"	2,8	"	3,0	"	6,0	"	16,2	112,8	31,6

AVERAGE VALUES FROM
DIFFERENTE POSITIONS

POSITION	DSN ₅₀₀	PS ₁₀₀
£		
1,25 m		
0,3 m from edge	82,3	26,3

AVERAGE VALUES
FOR THE SECTION

DSN ₅₀₀	PS ₁₀₀

PHOTOGRAPHS

NOTES	ROAD	Oodi
	SECTION	6
	PROFILE(S)	
	DATE/SIGN	3/85



General view, section seen from km. 11.0.....to km. 11.235



General view, section seen from km. 11.235.....to km. 11.0.....

SERVICEABILITY RATING (PSR)

NOTES	ROAD	<i>Oodi</i>
	SECTION	<i>6</i>
	PROFILE(S)	
	DATE/SIGN	<i>17/3/85</i>

TYPE OF CAR: *Toyota st. w.*

MEASURING TEAM:

PERSON	NAME	TRIP	
		1	2
A	<i>CRE A.V. Lionjanga</i>	<i>3,5</i>	
B	<i>PRE-M. Enbuske</i>	<i>3,0</i>	
C	<i>F. NeHerberg</i>	<i>3,0</i>	
D	<i>G. Refsdal</i>	<i>3,5</i>	
E	<i>C. Overby</i>	<i>3,5</i>	

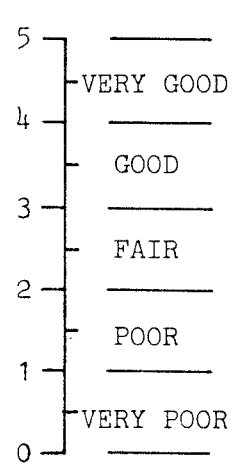
OTHER PERSONS (BUT NOT MORE THAN ONE MONTH BEFORE OR AFTER DATE ABOVE)

a			
b			
c			
d			
e			

TOTAL SUM *16,5*

SUM ÷ No. PERSONS *3,3* (= PSR)

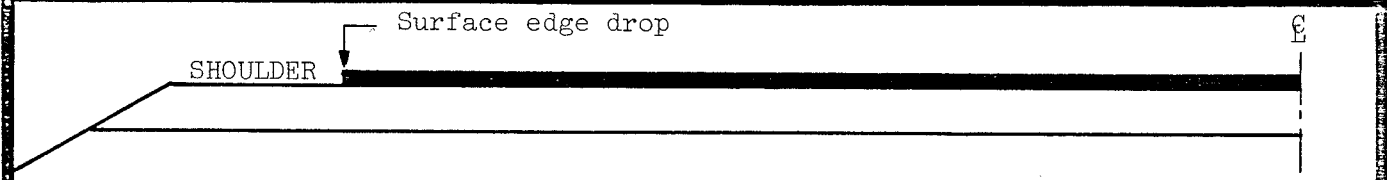
SIMPLIFIED RATING INSTRUCTIONS:



SPEED 80 km/h

EDGE DROP, MAX RUTTING and WIDTH OF SURFACING

NOTES	ROAD	<i>Oodi</i>
	SECTION	<i>6</i>
	PROFILE(S)	
	DATE/SIGN	<i>21/3/85</i>



PROFILE (m)	Edge drop (cm)	Max Rutting (mm)	Width of Surfacing (m)
<i>60</i>	<i>4,5</i>	<i>3</i>	<i>4,33</i>
<i>180</i>	<i>2</i>	<i>4,5</i>	<i>4,59</i>
<i>180</i>	<i>2,5</i>	<i>4,5</i>	<i>4,33</i>
AVERAGE	<i>3,0</i>	<i>4,0</i>	<i>4,42</i>

POTHOLES COUNT MEASUREMENT

NOTES	ROAD	<i>Oodi</i>
	SECTION	<i>6</i>
	PROFILE(S)	
	DATE/SIGN	<i>20/3/85</i>

KM 0 200

No. POTHOLES					
					SUM
<u>Patched</u>					
Dim ≤ 10 cm	<input type="text"/>	<input type="text"/>			<input type="text"/>
Dim > 10 cm	<input type="text"/>	<input type="text"/>			<input type="text"/>
<u>Unpatched</u>					
Dim ≤ 10 cm	<input type="text" value="3"/>	<input type="text"/>			<input type="text" value="3"/>
Dim > 10 cm	<input type="text"/>	<input type="text"/>			<input type="text"/>

TOTAL NUMBER OF POTHOLES

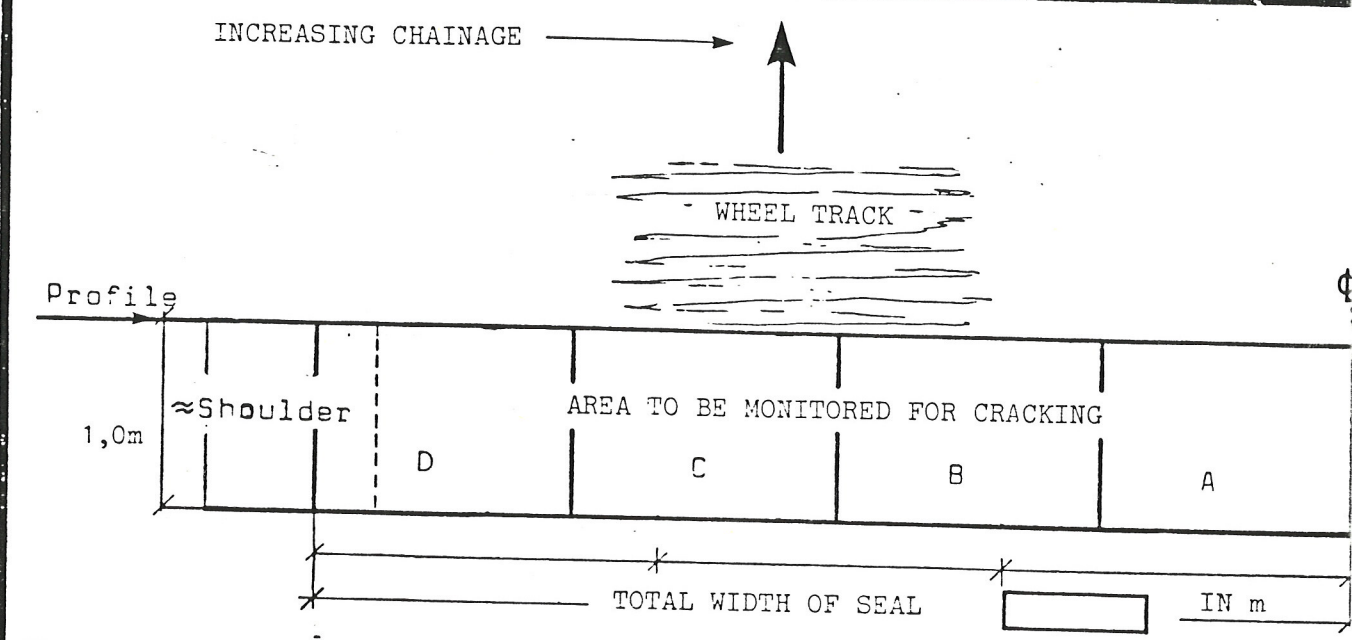
Patched

Unpatched

1) / st. seal only.

CRACKING MEASUREMENTS

NOTES	ROAD	Oodi
	SECTION	6
	PROFILE(S)	60
	DATE/SIGN	3/85



AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0.7m ²					
B - - -					
C - - -					
D 0m ²					
Σ length cm					
weighted number	0,5	1	4	8	8
Σ cm weighted					

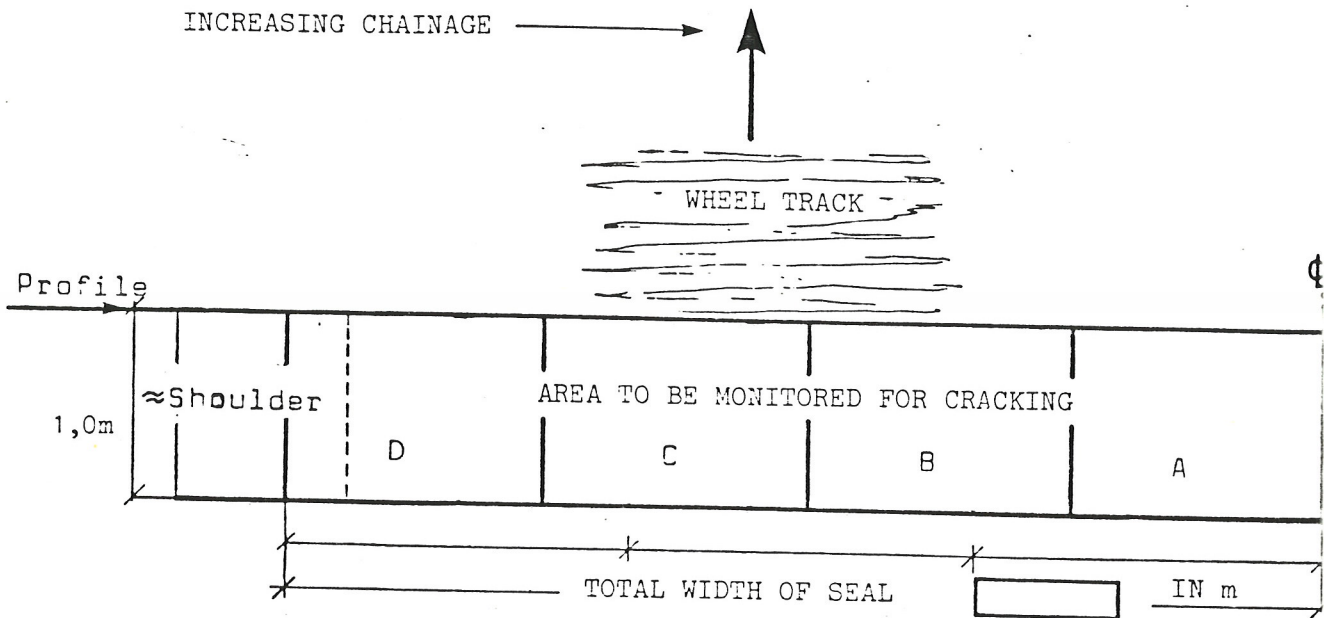
Total weighted length of cracks

Total area (A+B+C+D) in m²

Weighted length of cracks ÷ area

CRACKING MEASUREMENTS

NOTES	ROAD	0odi
	SECTION	6
	PROFILE(S)	120
	DATE/SIGN	3/85



AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0.7m ²					
B -"-					
C -"-	50				
D 0.15m ²	30	85			
Σ length cm	80	85			
weighted number	0,5	1	4	8	8
Σ cm weighted	40	85			

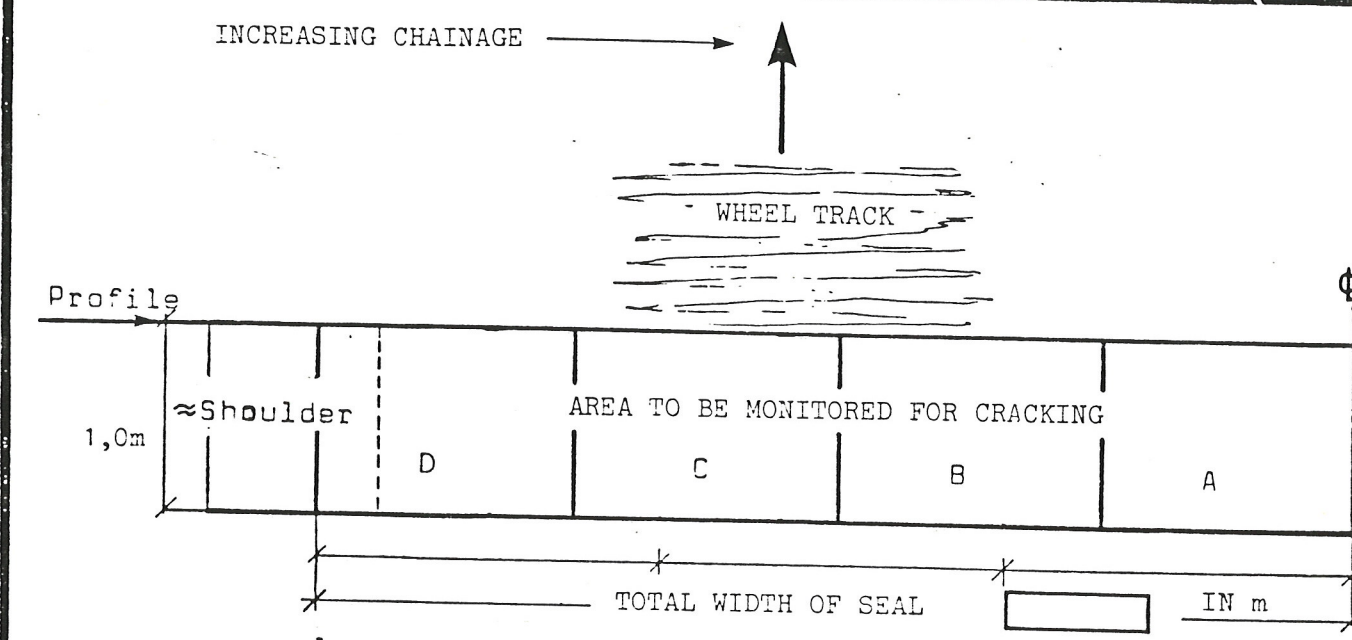
Total weighted length of cracks 125

Total area (A+B+C+D) in m² 2,25

Weighted length of cracks ÷ area 55,6

CRACKING MEASUREMENTS

NOTES	ROAD	Oodi
	SECTION	6
	PROFILE(S)	180
	DATE/SIGN	3/85



AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0,7m ²					
B -u-	50				
C -u-	55				
D 0m ²					
Σ length cm	105				
weighted number	0,5	1	4	8	8
Σ cm weighted	52,5				

Total weighted length of cracks	52,5
Total area (A+B+C+D) in m ²	2,1
Weighted length of cracks ÷ area	25

SECTION 7

PHOTOGRAPHS

NOTES	ROAD	00D1
	SECTION	7
	PROFILE(S)	
	DATE/SIGN	3/85



General view, section seen from km. 12.0.....to km. 13.0.....



General view, section seen from km. 13.0.....to km. 12.0.....

SERVICEABILITY RATING (PSR)

NOTES	ROAD	Oodi
	SECTION	7
	PROFILE(S)	
	DATE/SIGN	17/3/85

TYPE OF CAR: Toyota st. w.

MEASURING TEAM:

PERSON	NAME	TRIP	
		1	2
A	CRE A.V. Lionjanga	3,5	
B	PRE-M. Enbuske	3,0	
C	F. NeHerberg	2,5	
D	G. Retsdal	4,0	
E	C. Overby.	3,5	

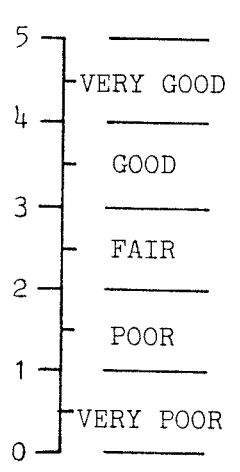
OTHER PERSONS (BUT NOT MORE THAN ONE MONTH BEFORE OR AFTER DATE ABOVE)

a			
b			
c			
d			
e			

TOTAL SUM 16,5

SUM ÷ No. PERSONS 3,3 (= PSR)

SIMPLIFIED RATING INSTRUCTIONS:



SPEED 80 km/h

EDGE DROP, MAX RUTTING and WIDTH OF SURFACING

NOTES

ROAD

Oodi

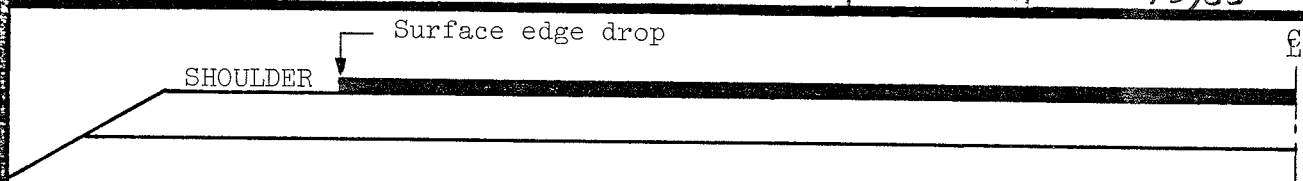
SECTION

7

PROFILE(S)

DATE/SIGN

21/3/85

SHOULDER  Surface edge drop

PROFILE (m)	Edge drop (cm)	Max Rutting (mm)	Width of Surfacing (m)
100	3	4	4.58
300	4	4	4.83
500	4	4	4.59
700	4	3	4.77
900	3	4	4.81
AVERAGE	3.6	3.8	4.72

POTHOLES COUNT MEASUREMENT

NOTES	ROAD	Oodi
	SECTION	7
	PROFILE(S)	
	DATE/SIGN	20/3/85

KM	0	200	400	600	800	1000
No. POTHOLES						
<u>Patched</u>						SUM
Dim ≤ 10 cm	2					2
Dim > 10 cm						
<u>Unpatched</u>						
Dim ≤ 10 cm	7			1	3	10
Dim > 10 cm						

TOTAL NUMBER OF POTHOLES

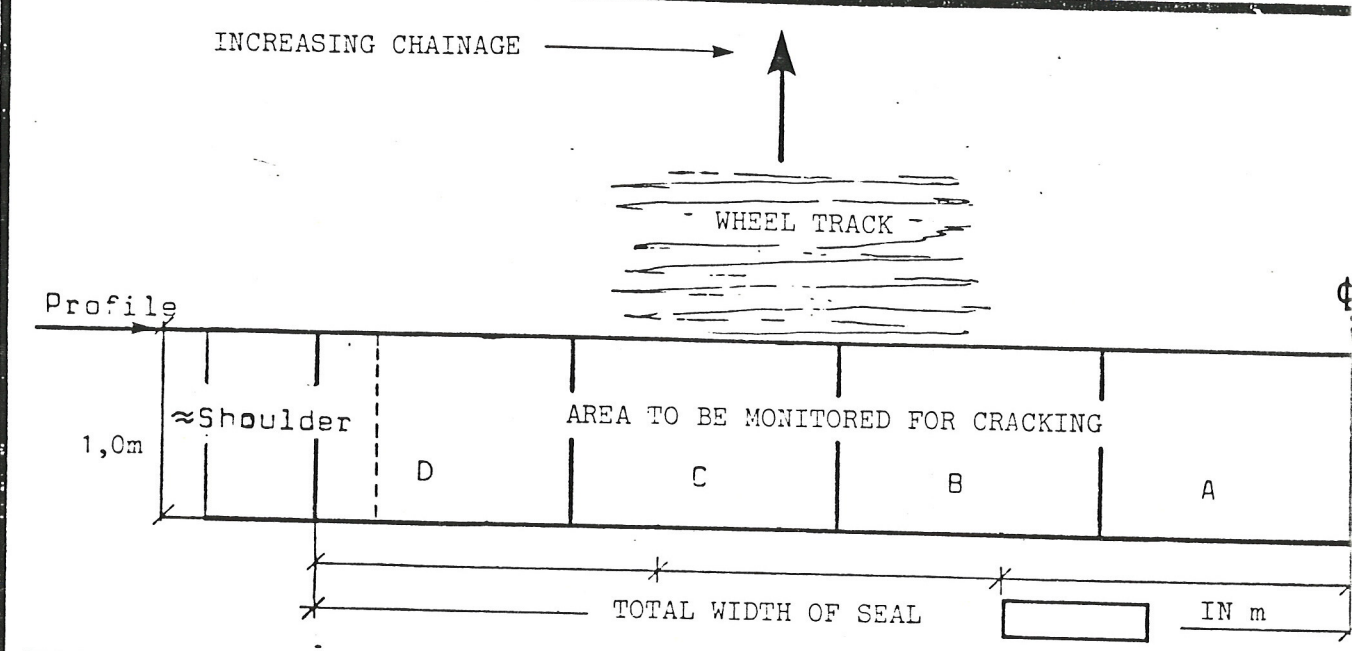
Patched 2

Unpatched 10

1/1st seal only

CRACKING MEASUREMENTS

NOTES	ROAD	Oodi
	SECTION	7
	PROFILE(S)	100
	DATE/SIGN	3/85



AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0.7m ²					
B - - -					
C - - -	100				
D 0.25m ²					
Σ length cm	100				
weighted number	0,5	1	4	8	8
Σ cm weighted	50				

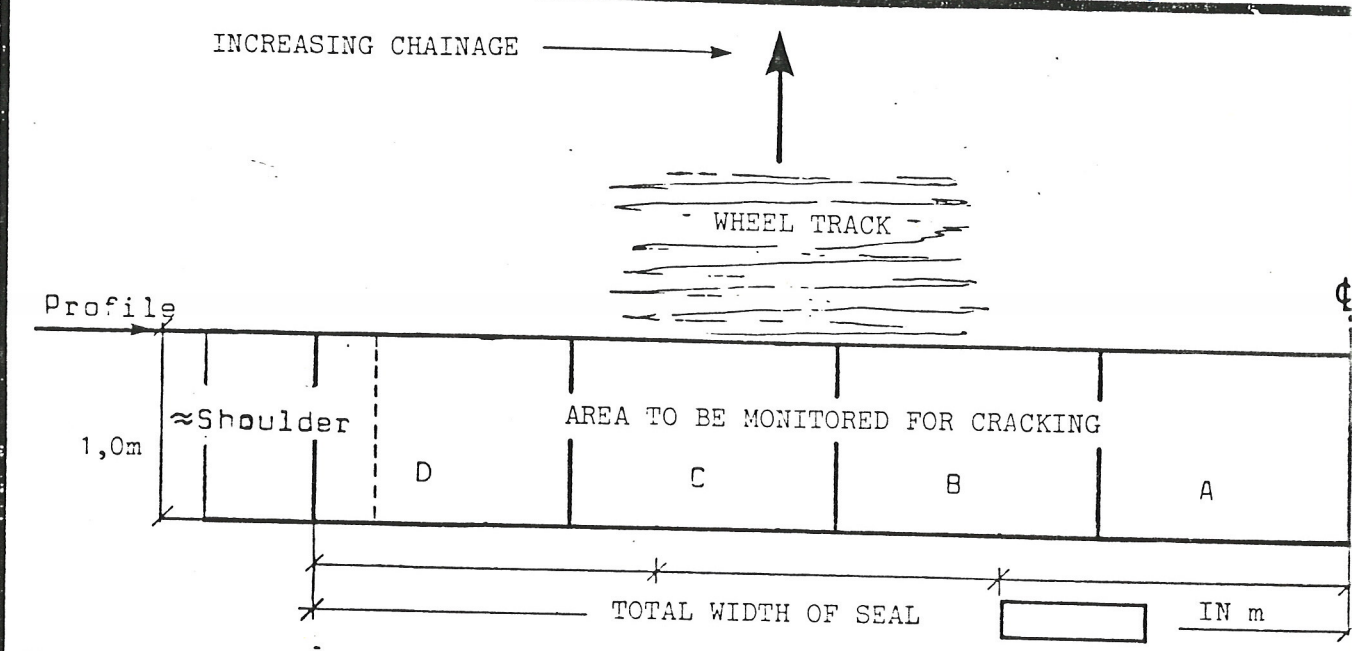
Total weighted length of cracks 50

Total area (A+B+C+D) in m² 2,36

Weighted length of cracks ÷ area 21,3

CRACKING MEASUREMENTS

NOTES	ROAD	0odi
	SECTION	7
	PROFILE(S)	500
	DATE/SIGN	3/85



AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0.7m ²					
B -u-	100				
C -u-					
D 0.30m ²					
Σ length cm	100				
weighted number	0,5	1	4	8	8
Σ cm weighted	50				

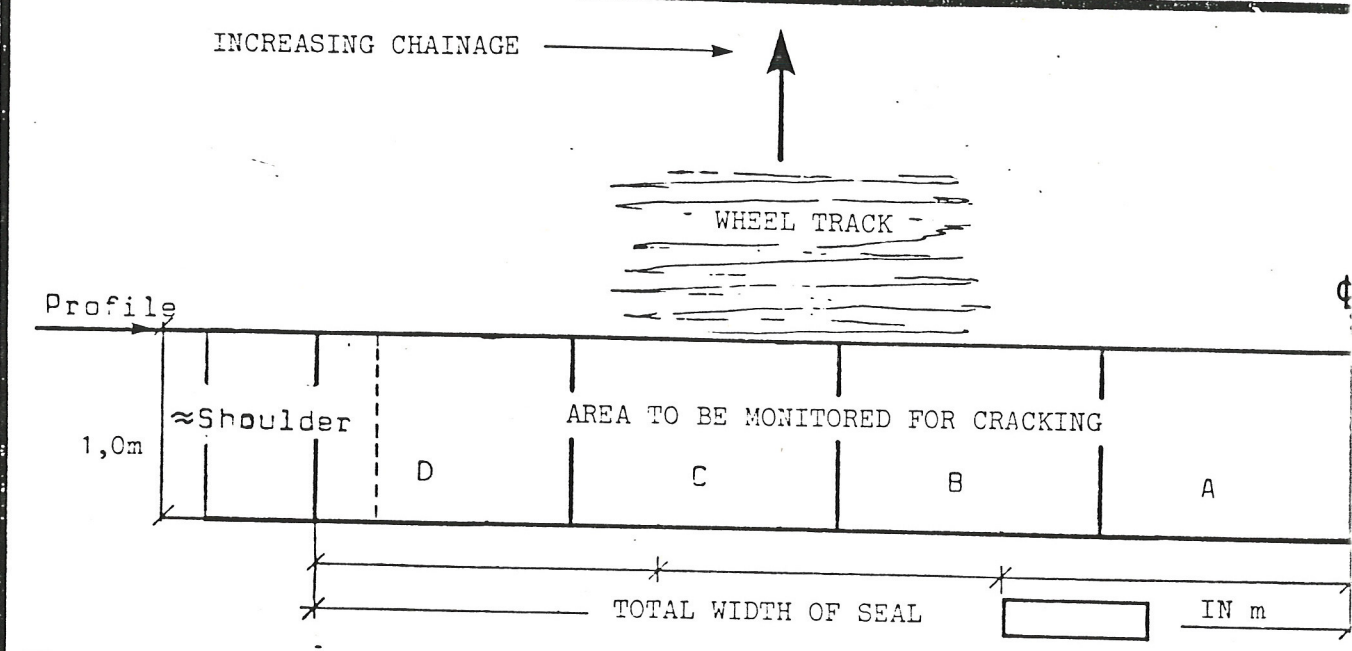
Total weighted length of cracks 50

Total area (A+B+C+D) in m² 2,5

Weighted length of cracks ÷ area 20,8

CRACKING MEASUREMENTS

NOTES	ROAD	Oodi
	SECTION	7
	PROFILE(S)	900
	DATE/SIGN	3/85



AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0.7m ²	68				
B -"-					
C -"-	100				
D 0.35m ²					
Σ length cm	168				
weighted number	0,5	1	4	8	8
Σ cm weighted	84				

Total weighted length of cracks 84

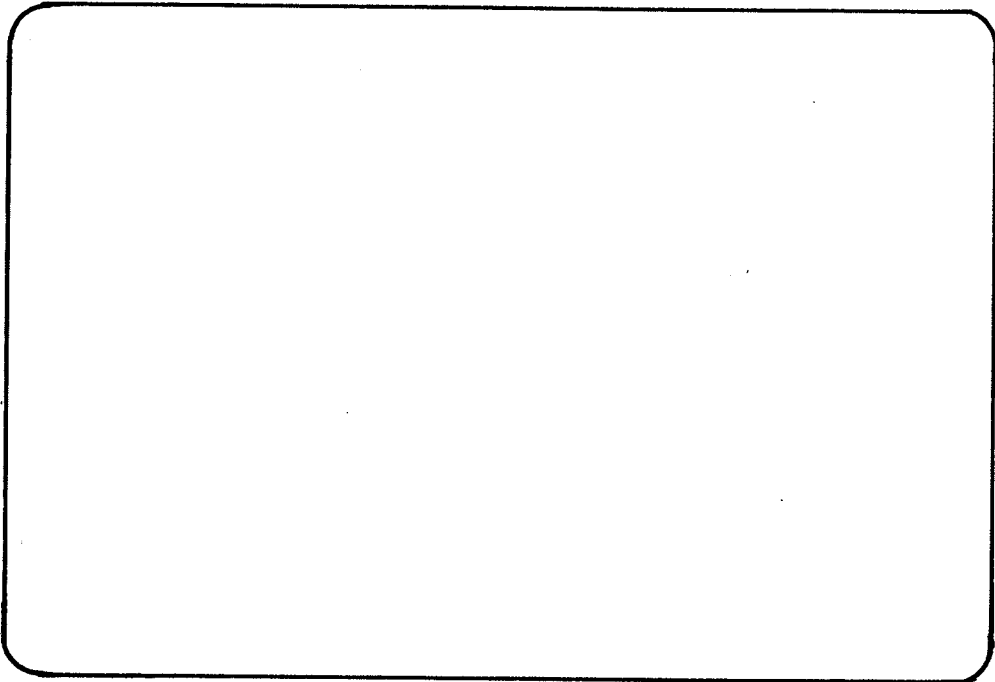
Total area (A+B+C+D) in m² 2,45

Weighted length of cracks ÷ area 34,3

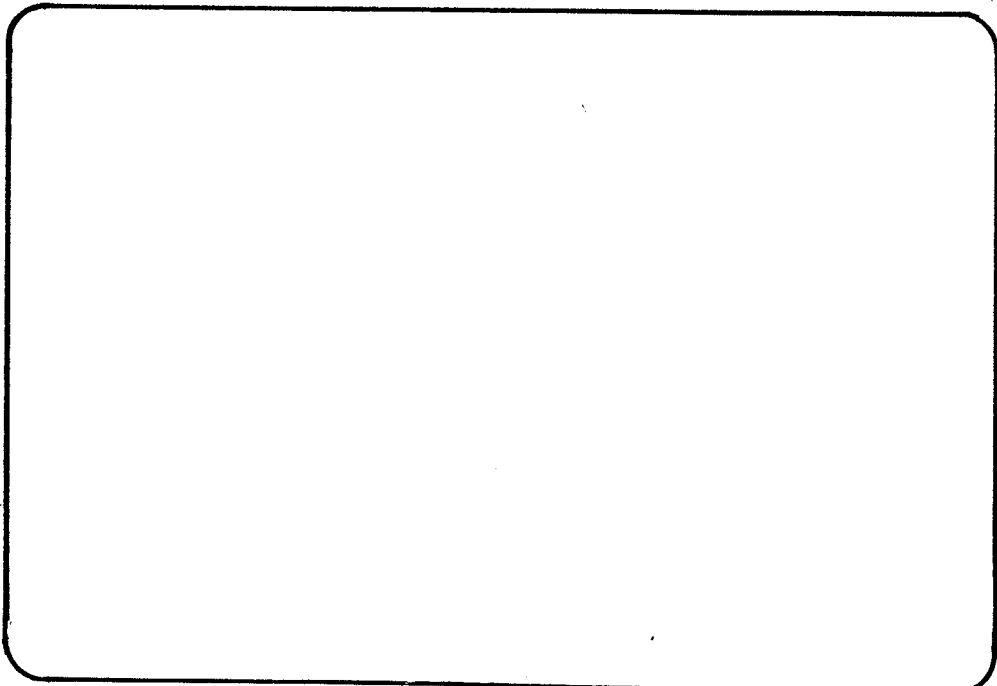
SECTION 8

PHOTOGRAPHS

NOTES	ROAD	000i
	SECTION	8
	PROFILE(S)	
	DATE/SIGN	3/85



General view, section seen from km.13.5...to km.14.5...



General view, section seen from km.14.5...to km.13.5...

SERVICEABILITY RATING (PSR)

NOTES

ROAD	<i>Oodi</i>
SECTION	<i>8</i>
PROFILE(S)	
DATE/SIGN	<i>17/3/85</i>

TYPE OF CAR: *Toyota st. w.*

MEASURING TEAM:

PERSON	NAME	TRIP	
		1	2
A	<i>CRE A.V. Lionjanga</i>	<i>3,5</i>	
B	<i>PRE-M. Enbuske</i>	<i>2,5</i>	
C	<i>F. Netherberg</i>	<i>2,5</i>	
D	<i>G. Refsdal</i>	<i>3,9</i>	
E	<i>C. Overby</i>	<i>3,4</i>	

OTHER PERSONS (BUT NOT MORE THAN ONE MONTH
BEFORE OR AFTER DATE ABOVE)

a			
b			
c			
d			
e			

TOTAL SUM *15,8*SUM ÷ No. PERSONS *3,2* (= PSR)

SIMPLIFIED RATING INSTRUCTIONS:

5	_____
4	_____
3	_____
2	_____
1	_____
0	_____

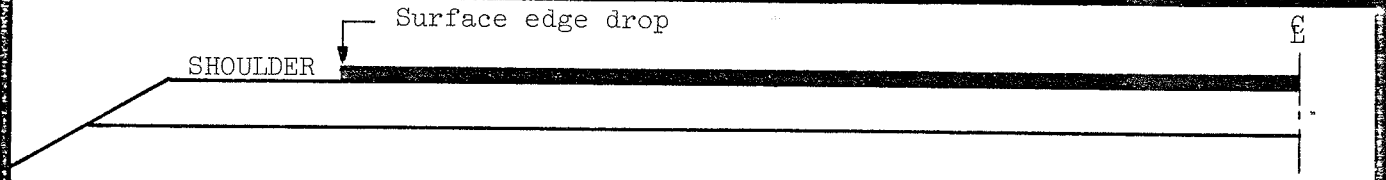
VERY GOOD
GOOD
FAIR
POOR
VERY POOR

SPEED 80 km/h

WORKSHEET

**EDGE DROP, MAX RUTTING
and WIDTH OF SURFACING**

NOTES	ROAD	Oodi
	SECTION	8
	PROFILE(S)	
	DATE/SIGN	21/3/85



PROFILE (m)	Edge drop (cm)	Max Rutting (mm)	Width of Surfacing (m)
100	4.5	23	4.77
300	5	23	4.67
500	2.5	4	4.75
700	3.5	3	4.54
900	5	11	4.66
AVERAGE	4.1	4.8	4.68

POTHOLES COUNT MEASUREMENT

NOTES	ROAD	<i>Oodi</i>
	SECTION	<i>8</i>
	PROFILE(S)	
	DATE/SIGN	<i>20/3/85</i>

KM	0	200	400	600	800	1000							
	<table border="1" style="width: 100%; height: 40px; border-collapse: collapse;"> <tr> <td style="width: 12.5%;"></td> <td style="width: 12.5%;"></td> <td style="width: 12.5%;"></td> <td style="width: 12.5%;"></td> <td style="width: 12.5%;"></td> <td style="width: 12.5%;"></td> <td style="width: 12.5%;"></td> </tr> </table>												
No. POTHOLES													
	SUM												
<u>Patched</u>													
Dim ≤ 10 cm	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>							
Dim > 10 cm	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>							
<u>Unpatched</u>													
Dim ≤ 10 cm	<input type="text" value="1"/>	<input type="text" value="1"/>	<input type="text" value="6"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="8"/>							
Dim > 10 cm	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>							

TOTAL NUMBER OF POTHOLES

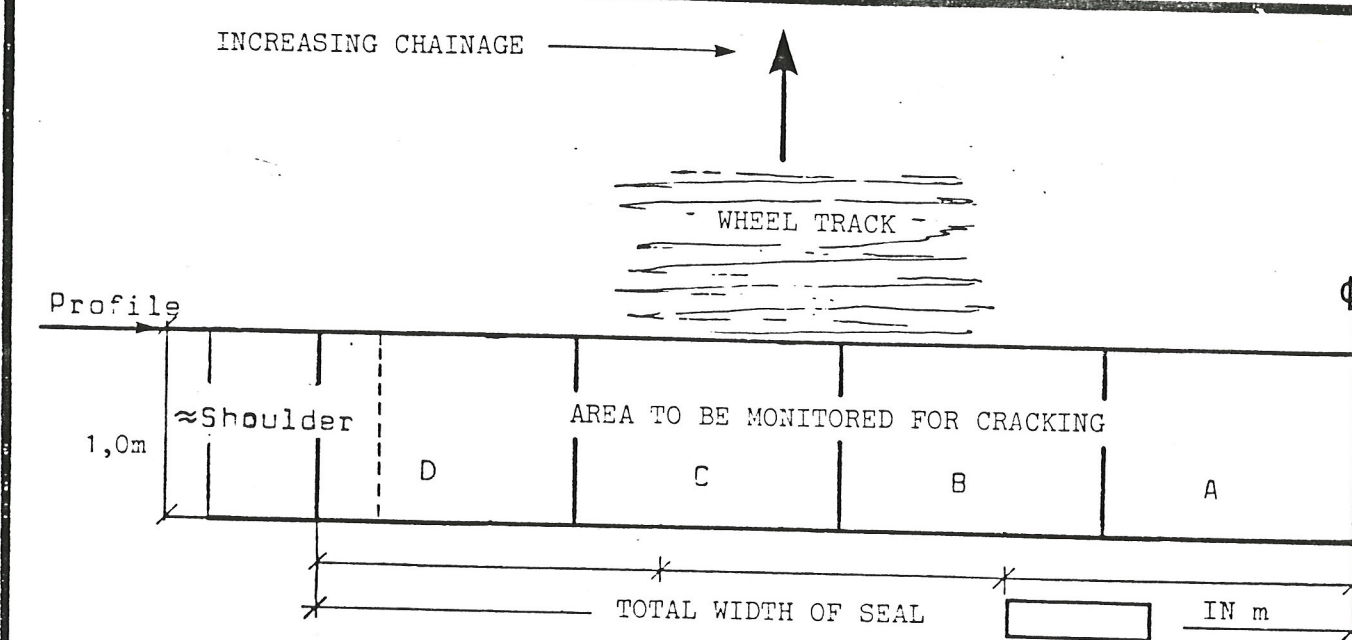
Patched 0

Unpatched 8

Only one pothole 2nd seal

CRACKING MEASUREMENTS

NOTES	ROAD	0odi
	SECTION	8
	PROFILE(S)	100
	DATE/SIGN	3/85



AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0.7m ²					
B -"-	82				
C -"-	140				
D 0.28.	135				
Σ length cm	357				
weighted number	0,5	1	4	8	8
Σ cm weighted	178,5				

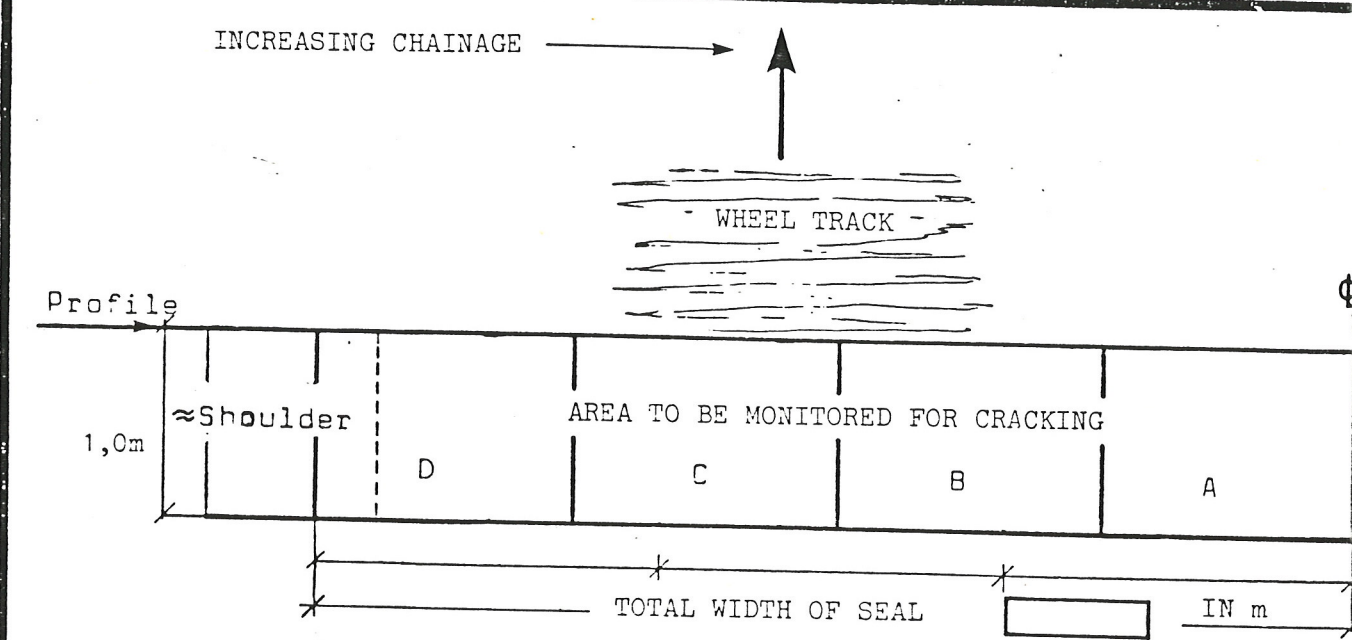
Total weighted length of cracks 178,5

Total area (A+B+C+D) in m² 2,38

Weighted length of cracks ÷ area 75

CRACKING MEASUREMENTS

NOTES	ROAD	0odi
	SECTION	8
	PROFILE(S)	500
	DATE/SIGN	3/85



AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0.7m ²					
B - " -					
C - " -					
D 0.25m ²					
Σ length cm					
weighted number	0,5	1	4	8	8
Σ cm weighted					

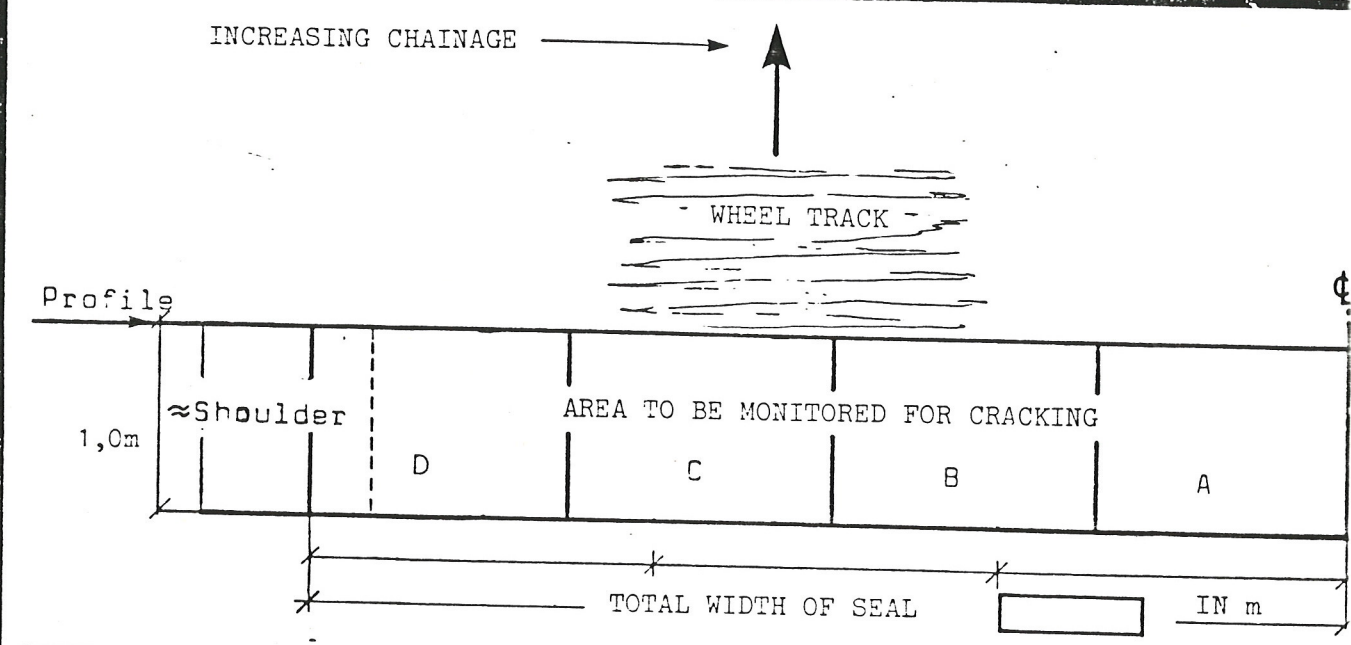
Total weighted length of cracks

Total area (A+B+C+D) in m²

Weighted length of cracks ÷ area

CRACKING MEASUREMENTS

NOTES	ROAD	Oodi
	SECTION	8
	PROFILE(S)	900
	DATE/SIGN	3/85



AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0.7m ²					
B -u-					
C -u-					
D 0.30m ²	172				
Σ length cm	172				
weighted number	0,5	1	4	8	8
Σ cm weighted	86				

Total weighted length of cracks 86

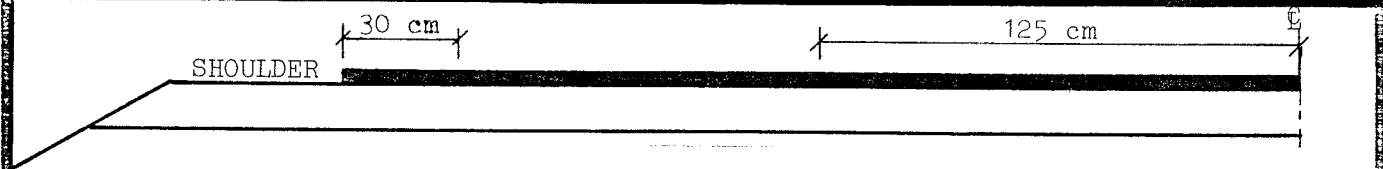
Total area (A+B+C+D) in m² 2,4

Weighted length of cracks ÷ area 35,8

DCP (1)

DYNAMIC CONE PENETROMETER

NOTES	ROAD	Oodi
	SECTION	8
	PROFILE(S)	
	DATE/SIGN	22/3/85



PROFILE: 100
Position: E

1,25 m

0,3 m edge

DEPTH, cm	DN	CBR
0-5	0,8	7460
5-15	7,4	
15-25		
25-35		
35-50		
50-70		

DN	CBR
0,7	7460
1,8	220
3,6	85
6,2	43
6,7	38
26,3	6

DN	CBR
4,2	70
6,7	38
10,0	22
12,5	17
10,8	22

PROFILE: 500
Position: E

1,25 m

0,3 m edge

DEPTH, cm	DN	CBR
0-5	2,0	180
5-15	2,4	160
15-25	3,0	110
25-35	7,4	
35-50		

DN	CBR
1,4	300
1,3	320
1,7	240
3,2	100
7,4	

DN	CBR
3,8	80
4,1	73
3,5	88
2,8	120
3,5	88

PROFILE: 900
Position: E

1,25 m

0,3 m edge

DEPTH, cm	DN	CBR
0-5	1,9	200
5-15	2,1	175
15-25	4,4	66
25-35	7,6	33
35-50	11,2	20

DN	CBR
3,9	78
5,5	49
5,7	47
11,5	19
15,4	13

DN	CBR
5,3	51
8,2	30
10,4	22
12,8	16
17,1	11

POSITIONS:

1982 Profile 2,00 m	<input type="checkbox"/>
1983 " 1,75 "	<input type="checkbox"/>
1984 " 1,50 "	<input type="checkbox"/>

1985 Profile 1,25 m	<input type="checkbox"/>
1986 " 1,00 "	<input type="checkbox"/>
1987 " 0,75 "	<input type="checkbox"/>

DCP

STRUCTURE NUMBER

NOTES

ROAD	Oodi
SECTION	8
PROFILE(S)	
DATE/SIGN	22/3/86

CHAINAGE and POSITION	Surf. thickn.	BASE		SUBBASE		SUBGR. I		SUBGR. II		DSN ₅₀₀	PS ₁₀₀
		Thickn.	DN	Thickn.	DN	Thickn.	DN	Thickn.	DN		
100											
£	15	150	T.H	100	T.H	100	T.H	150	T.H	—	—
1,25 m	"	"	1,2	"	3,6	"	6,2	"	6,7	191,3	43,6
0,3 mm from edge	"	"	5,8	"	10,0	"	12,5	"	10,8	57,8	29,9

500											
£	15	150	2,2	100	3,0	100	T.H	150	T.H	—	—
1,25 m	"	"	1,3	"	1,7	"	3,2	"	T.H	—	—
0,3 m from edge	"	"	4,0	"	3,5	"	2,8	"	3,5	144,6	17,3

900											
£	15	150	2,0	100	4,4	100	7,6	150	11,2	110,9	45,1
1,25 m	"	"	4,9	"	5,7	"	11,5	"	15,4	66,6	30,6
0,3 m from edge	"	"	7,0	"	10,4	"	12,8	"	17,1	47,6	30,0

AVERAGE VALUES FROM
DIFFERENTE POSITIONS

POSITION	DSN ₅₀₀	PS ₁₀₀
£		
1,25 m		
0,3 m from edge	83,3	25,7

AVERAGE VALUES
FOR THE SECTION

DSN ₅₀₀	PS ₁₀₀

SECTION 9

SERVICEABILITY RATING (PSR)

NOTES	ROAD	Oodi
	SECTION	9
	PROFILE(S)	
	DATE/SIGN	17/3/85

TYPE OF CAR: Toyota st. w.

MEASURING TEAM:

PERSON	NAME	TRIP	
		1	2
A	CRE A.V. Lionjanga	2.0	
B	PRE-M. Enbuske	2.0	
C	F. Netherberg	2.0	
D	G. Refsdal	3.2	
E	C. Overby	2.5	

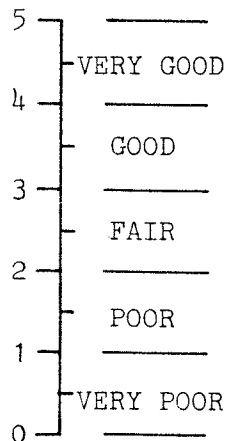
OTHER PERSONS (BUT NOT MORE THAN ONE MONTH BEFORE OR AFTER DATE ABOVE)

a			
b			
c			
d			
e			

TOTAL SUM 11,7

SUM ÷ No. PERSONS 2,3 (= PSR)

SIMPLIFIED RATING INSTRUCTIONS:

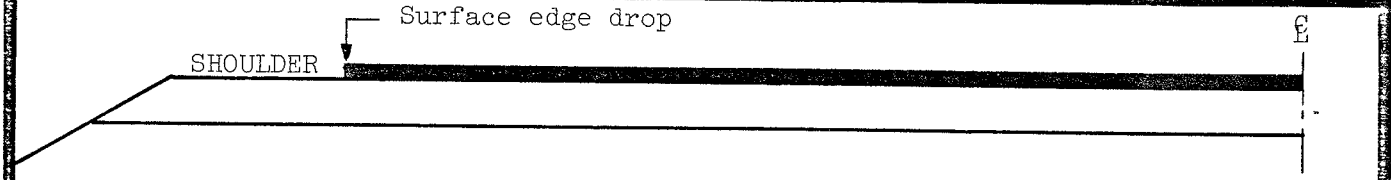


SPEED 80 km/h

WORKSHEET

**EDGE DROP, MAX RUTTING
and WIDTH OF SURFACING**

NOTES	ROAD	Oodi
	SECTION	9
	PROFILE(S)	
	DATE/SIGN	21/3/85



PROFILE (m)	Edge drop (cm)	Max Rutting (mm)	Width of Surfacing (m)
125 R.H.S			
250 L.H.S			
375 L.H.S			
AVERAGE			

POTHOLES COUNT MEASUREMENT

NOTES	ROAD	Oodi
	SECTION	9
	PROFILE(S)	
	DATE/SIGN	20/3/85

KM	0	200	400						
	<table border="1" style="width: 100%; height: 40px; border-collapse: collapse;"> <tr> <td style="width: 25%;"></td> <td style="width: 25%;"></td> <td style="width: 25%;"></td> <td style="width: 25%;"></td> </tr> </table>								
No. POTHOLES									
<u>Patched</u>					SUM				
Dim ≤ 10 cm	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>				
Dim > 10 cm	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>				
<u>Unpatched</u>									
Dim ≤ 10 cm	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>				
Dim > 10 cm	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>				
TOTAL NUMBER OF POTHOLES									
	Patched	<input style="width: 60px; height: 30px;" type="text"/>							
	Unpatched	<input style="width: 60px; height: 30px;" type="text"/>							

Small potholes (unpatched) all over much worse than 14/11/84

NEEDS RESEALING

SECTION 10

SERVICEABILITY RATING (PSR)

NOTES

ROAD	Oodi
SECTION	10
PROFILE(S)	
DATE/SIGN	17/3/85

TYPE OF CAR: Toyota st. w.

MEASURING TEAM:

PERSON	NAME	TRIP	
		1	2
A	CRE A.V. Lionjanga	1.8	
B	PRE-M. Enbuske	1.5	
C	F. NeHerberg	2.5	
D	G. Refsdal	2.7	
E	C. Overby	2.5	

OTHER PERSONS (BUT NOT MORE THAN ONE MONTH
BEFORE OR AFTER DATE ABOVE)

a			
b			
c			
d			
e			

TOTAL SUM 11.0SUM ÷ No. PERSONS 2.2 (= PSR)

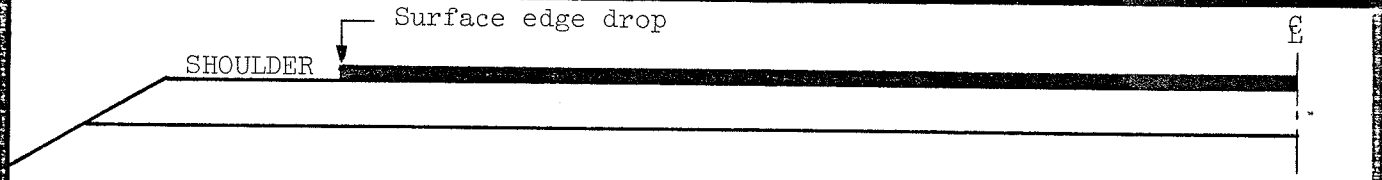
SIMPLIFIED RATING INSTRUCTIONS:

5	_____
4	_____
3	_____
2	_____
1	_____
0	_____

SPEED 80 km/h

**EDGE DROP, MAX RUTTING
and WIDTH OF SURFACING**

NOTES	ROAD	Oodi
	SECTION	10
	PROFILE(S)	
	DATE/SIGN	21/3/85



PROFILE (m)	Edge drop (cm)	Max Rutting (mm)	Width of Surfacing (m)
125			
250			
375			
AVERAGE			

POTHOLES COUNT MEASUREMENT

NOTES	ROAD	Dodi
	SECTION	10
	PROFILE(S)	
	DATE/SIGN	20/3/85

KM	0	200	400	
No. POTHOLES				

				SUM
<u>Patched</u>				
Dim ≤ 10 cm				
Dim > 10 cm				
<u>Unpatched</u>				
Dim ≤ 10 cm				
Dim > 10 cm				

TOTAL NUMBER OF POTHOLES

Patched

Unpatched

*Worse than 14/11/84.
NEEDS RESEALING.*

SECTION 11

PHOTOGRAPHS

NOTES

ROAD	Oodi
SECTION	11
PROFILE(S)	
DATE/SIGN	3/85



General view, section seen from km. 15.5... to km. 16.5...



General view, section seen from km. 16.5... to km. 15.5...

SERVICEABILITY RATING (PSR)

NOTES	ROAD	Oodi
	SECTION	11
	PROFILE(S)	
	DATE/SIGN	17/3/85

TYPE OF CAR: Toyota st. w.

MEASURING TEAM:

PERSON	NAME	TRIP	
		1	2
A	CRE A.V. Lionjanga	2,0	
B	PRE-M. Enbuske	2,0	
C	F. NoHerberg	3,0	
D	G. Refsdal	3,2	
E	C. Overby	3,2	

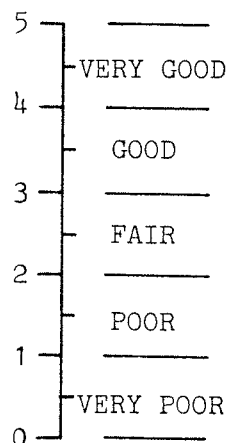
OTHER PERSONS (BUT NOT MORE THAN ONE MONTH BEFORE OR AFTER DATE ABOVE)

a			
b			
c			
d			
e			

TOTAL SUM 13,4

SUM ÷ No. PERSONS 2,7 (= PSR)

SIMPLIFIED RATING INSTRUCTIONS:

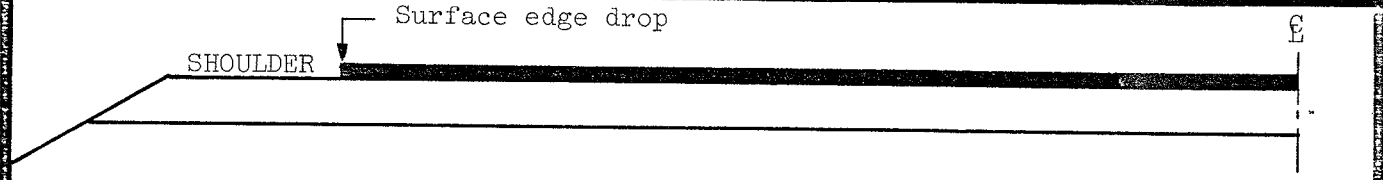


SPEED 80 km/h

WORKSHEET

EDGE DROP, MAX RUTTING and WIDTH OF SURFACING

NOTES	ROAD	Dodi
	SECTION	11
	PROFILE(S)	
	DATE/SIGN	21/3/85



PROFILE (m)	Edge drop (cm)	Max Rutting (mm)	Width of Surfacing (m)
100	3	23	4.70
300	Patched	5.5	Patched 5.16
500	4.5	23	4.81
700	5.5	23	4.65
900	3.5	3	4.56
AVERAGE	4.1	3.5	4.68

POTHOLES COUNT MEASUREMENT

NOTES	ROAD	Oodi
	SECTION	11
	PROFILE(S)	
	DATE/SIGN	20/3/85

KM	0	200	400	600	800	1000
No. POTHOLES						
<u>Patched</u>						SUM
Dim ≤ 10 cm			1	38		39
Dim > 10 cm	1		1	5		7
<u>Unpatched</u>						
Dim ≤ 10 cm	3	7 (1)	(1) 3	(4) 2	(1) 1	23
Dim > 10 cm		1	(1)			2

TOTAL NUMBER OF POTHOLES

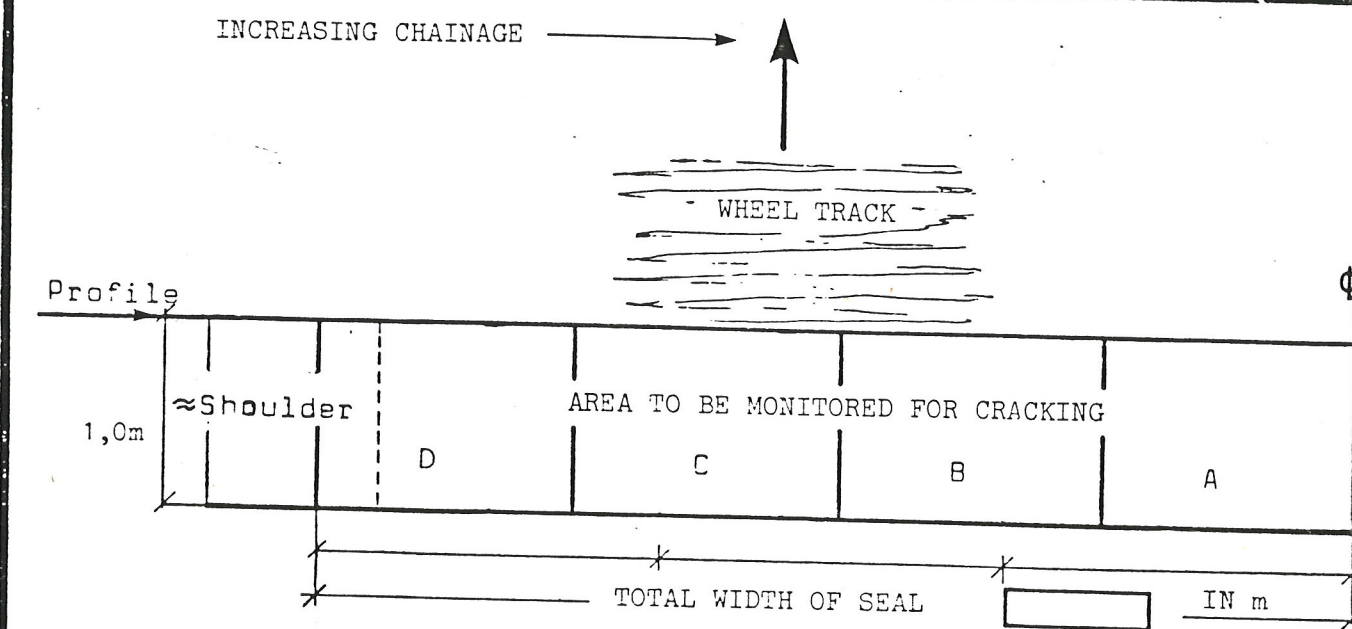
Patched 46

Unpatched 25

0 = 2nd seal all other potholes 1st seal.

CRACKING MEASUREMENTS

NOTES	ROAD	00di
	SECTION	11
	PROFILE(S)	100
	DATE/SIGN	3/85



AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0.7m ²	108				
B -u-					
C -u-	800				
D 0.30m ²	90				
Σ length cm	998				
weighted number	0,5	1	4	8	8
Σ cm weighted	499				

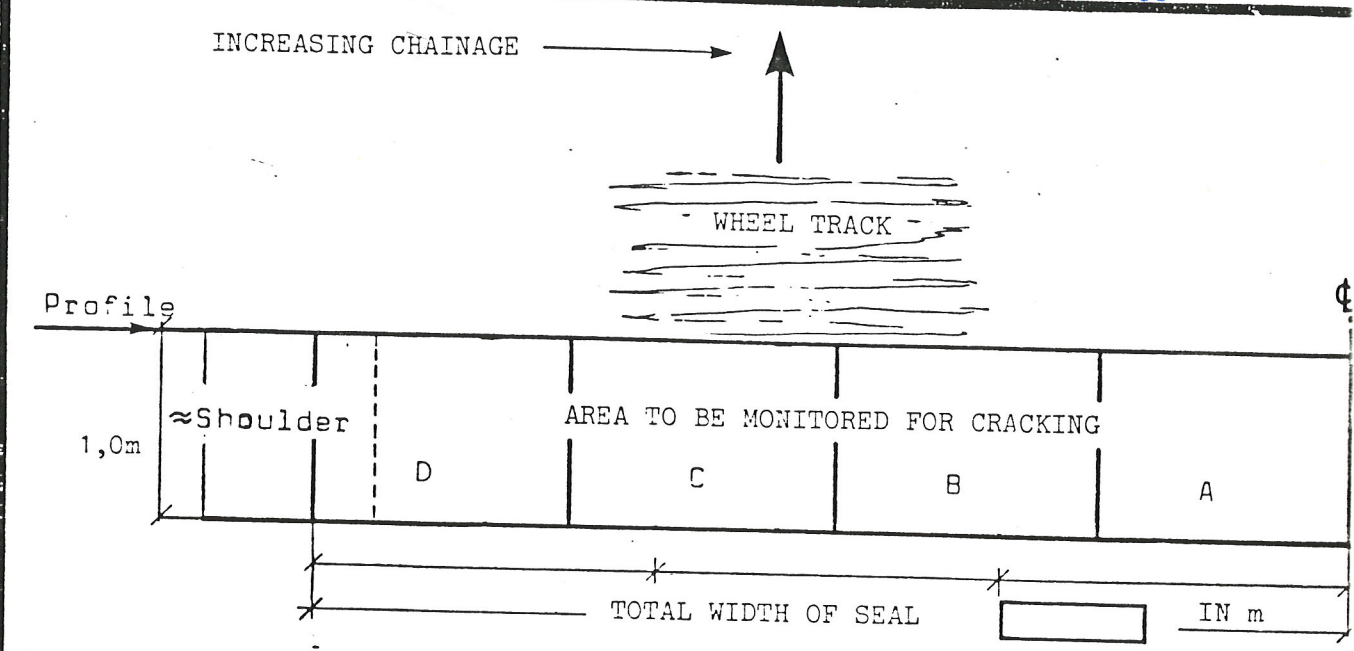
Total weighted length of cracks 499

Total area (A+B+C+D) in m² 2,4

Weighted length of cracks ÷ area 207,9

CRACKING MEASUREMENTS

NOTES	ROAD	0odi
	SECTION	11
	PROFILE(S)	500
	DATE/SIGN	3/85



AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0.7m ²	350				
B -u-	1270				
C -u-	700				
D 0.30m ²	95				
Σ length cm	2415				
weighted number	0,5	1	4	8	8
Σ cm weighted	1207,5				

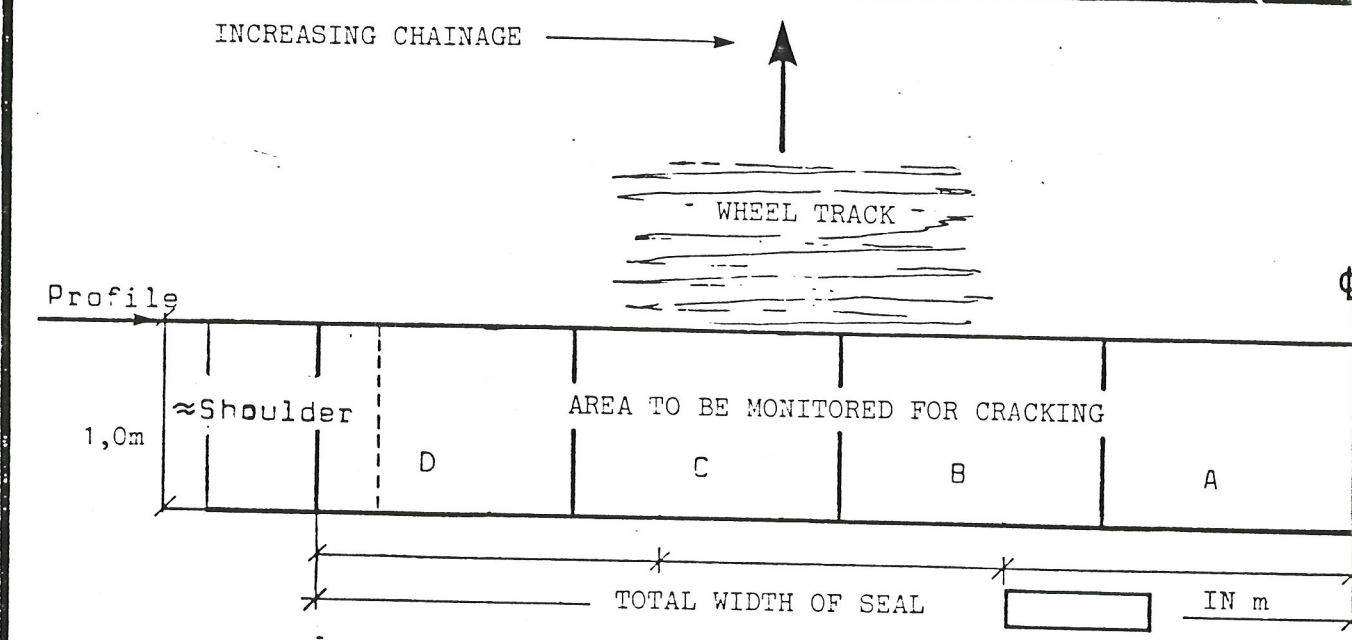
Total weighted length of cracks 1207,5

Total area (A+B+C+D) in m² 2,4

Weighted length of cracks ÷ area 503,1

CRACKING MEASUREMENTS

NOTES	ROAD	0odi
	SECTION	11
	PROFILE(S)	900
	DATE/SIGN	3/85



AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0.7m ²	550				
B -u-	330				
C -u-	570				
D 0.25m ²	20				
Σ length cm	1470				
weighted number	0,5	1	4	8	8
Σ cm weighted	735				

Total weighted length of cracks 735

Total area (A+B+C+D) in m² 2,35

Weighted length of cracks ÷ area 312,8

SECTION 12

PHOTOGRAPHS

NOTES	ROAD	Oodi
	SECTION	12
	PROFILE(S)	
	DATE/SIGN	3/85



General view, section seen from km.17.5...to km.18.5...



General view, section seen from km.18.5...to km.17.5...

SERVICEABILITY RATING (PSR)

NOTES	ROAD	Oodi
	SECTION	12
	PROFILE(S)	
	DATE/SIGN	17/3/85

TYPE OF CAR: Toyota s.w.

MEASURING TEAM:

PERSON	NAME	TRIP	
		1	2
A	CRE A.V. Lionjanga	3.0	
B	PRE-M. Enbuske	2.0	
C	F. NeHerberg	2.0	
D	G. Refsdal	2.7	
E	C. Overby	3.0	

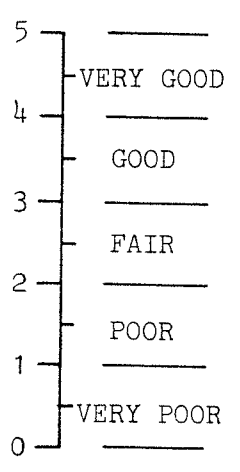
OTHER PERSONS (BUT NOT MORE THAN ONE MONTH BEFORE OR AFTER DATE ABOVE)

a			
b			
c			
d			
e			

TOTAL SUM 12.7

SUM ÷ No. PERSONS 2.5 (= PSR)

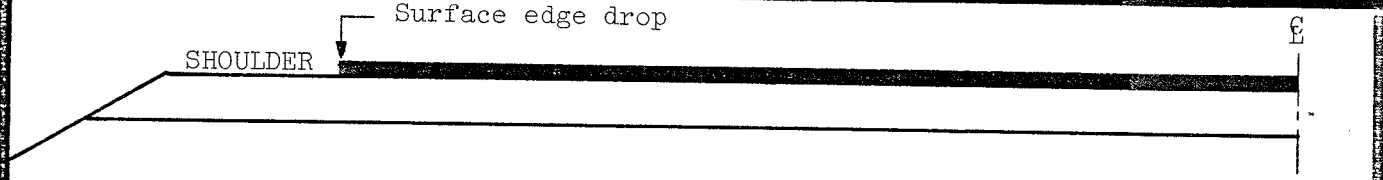
SIMPLIFIED RATING INSTRUCTIONS:



SPEED 80 km/h

EDGE DROP, MAX RUTTING and WIDTH OF SURFACING

NOTES	ROAD	Oodi
	SECTION	12
	PROFILE(S)	
	DATE/SIGN	21/3/85



PROFILE (m)	Edge drop (cm)	Max Rutting (mm)	Width of Surfacing (m)
100	3	23	4.48
300	4	23	4.71
500	2	7	4.56
700	2.5	23	4.78
900	5	23	4.35
AVERAGE	3.3	3.8	4.58

POTHOLES COUNT MEASUREMENT

NOTES	ROAD	<i>Oodi</i>
	SECTION	<i>1A</i>
	PROFILE(S)	
	DATE/SIGN	<i>20/3/85</i>

KM	0	200	400	600	800	1000
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
No. POTHOLES	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<u>Patched</u>						
Dim \leq 10 cm	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Dim $>$ 10 cm	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="1"/>	<input type="text" value="1"/>
<u>Unpatched</u>						
Dim \leq 10 cm	<input type="text"/>	<input type="text" value="3"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="1"/>	<input type="text" value="4"/>
Dim $>$ 10 cm	<input type="text"/>	<input type="text"/>	<input type="text" value="1"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="1"/>

TOTAL NUMBER OF POTHOLES

Patched 1

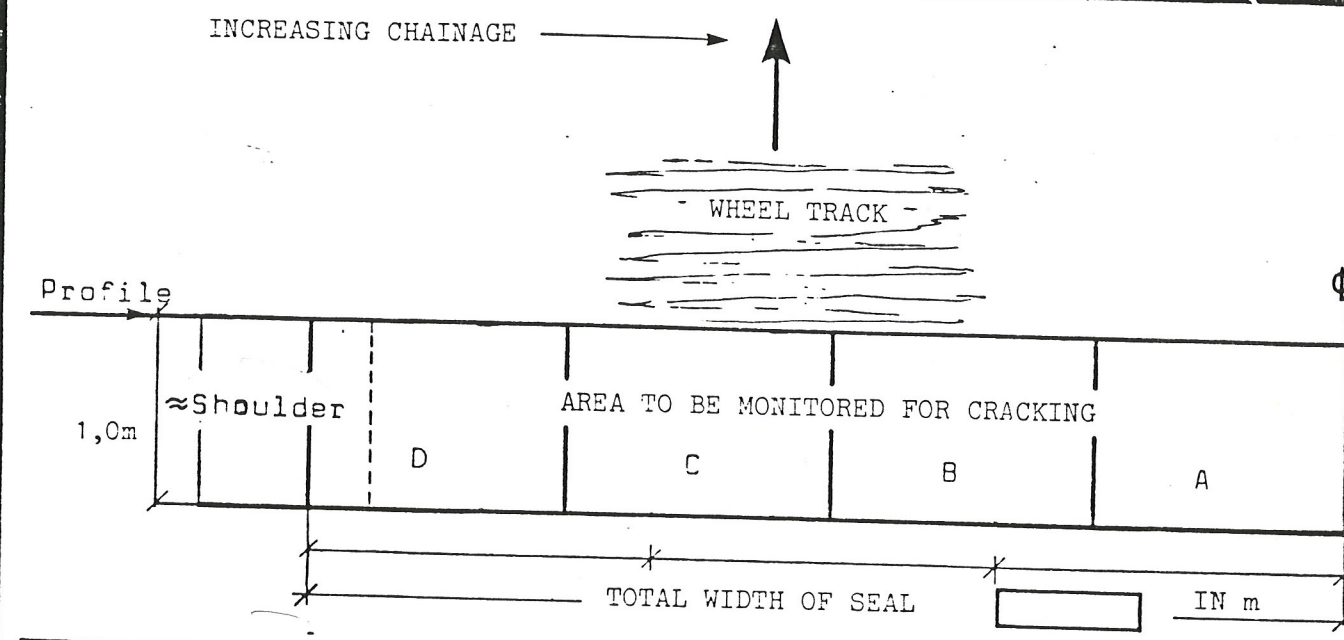
Unpatched 5

None potholes 2nd seal.

Places where 1st seal have disintergrated completely.

CRACKING MEASUREMENTS

NOTES	ROAD	0odi
	SECTION	12
	PROFILE(S)	100
	DATE/SIGN	3/85



AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0.7m ²	560				
B -u-	270				
C -u-	550				
D 0.30m ²	80				
Σ length cm	1460				
weighted number	0,5	1	4	8	8
Σ cm weighted	730				

Total weighted length of cracks 730

Total area (A+B+C+D) in m² 2,4

Weighted length of cracks ÷ area 304,2

CRACKING MEASUREMENTS

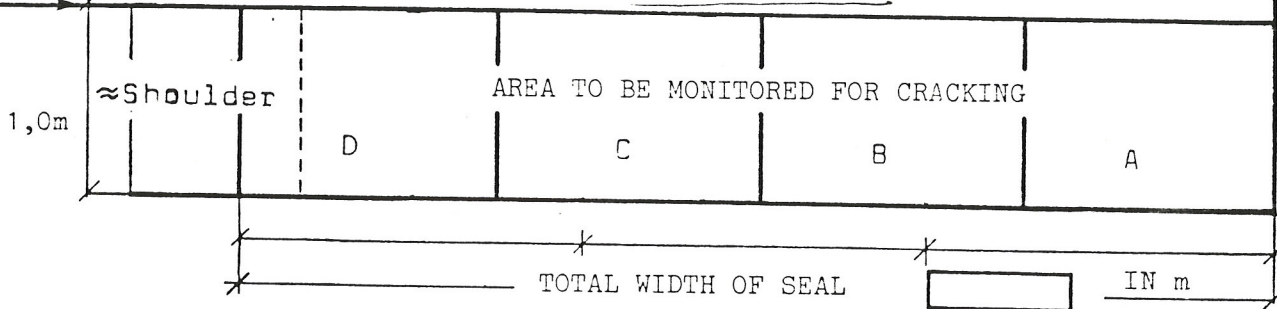
NOTES

ROAD	Oodi
SECTION	12
PROFILE(S)	500
DATE/SIGN	3/85

INCREASING CHAINAGE →

↑
WHEEL TRACK

Profile →



AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0.7m ²	70				
B -u-	735				
C -u-	160	410			
D 0.25m ²	100				
Σ length cm	1065	410			
weighted number	0,5	1	4	8	8
Σ cm weighted	532,5	410			

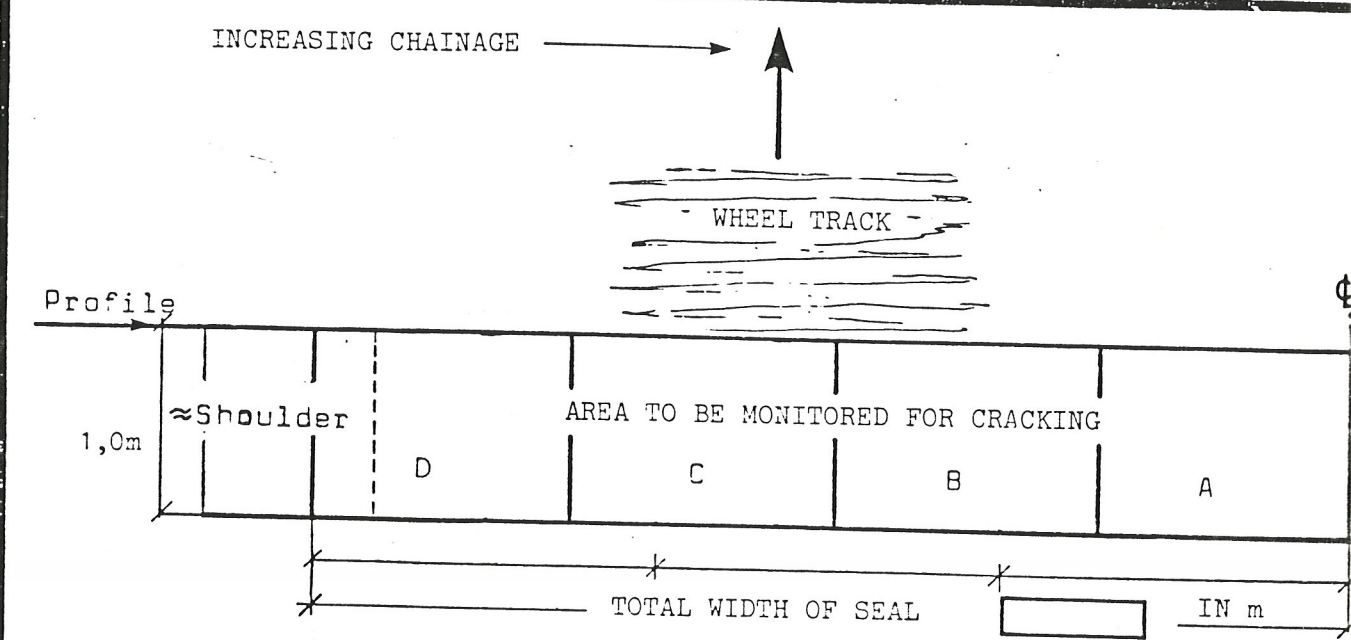
Total weighted length of cracks 942,5

Total area (A+B+C+D) in m² 2,35

Weighted length of cracks ÷ area 401,1

CRACKING MEASUREMENTS

NOTES	ROAD	Oodi
	SECTION	12
	PROFILE(S)	900
	DATE/SIGN	3/85



AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0.7m ²	500				
B - " -	143				
C - " -	95	340			
D 0.15m ²	60				
Σ length cm	798	340			
weighted number	0,5	1	4	8	8
Σ cm weighted	399	340			

Total weighted length of cracks 739

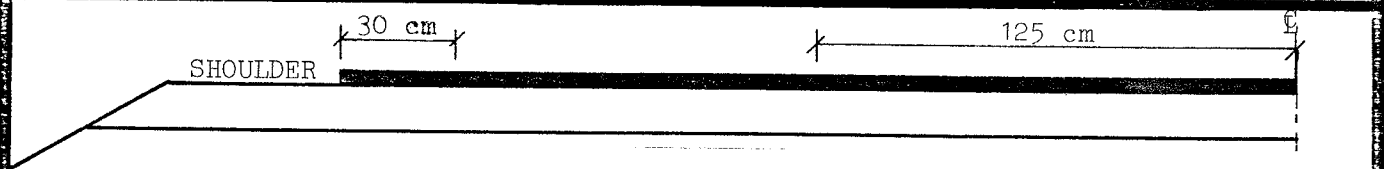
Total area (A+B+C+D) in m² 2,25

Weighted length of cracks ÷ area 328,4

DCP (1)

DYNAMIC CONE PENETROMETER

NOTES	ROAD	Oodi
	SECTION	12
	PROFILE(S)	
	DATE/SIGN	23/3/86



PROFILE: 100
Position: E

1,25 m

0,3 m edge

DEPTH, cm	DN	CBR
0-5	2.2	170
5-15	1.9	200
15-25	4.6	61
25-35	5.7	47
35-50	10.3	22

DN	CBR
1.6	260
1.2	370
3.0	110
7.6	33
8.4	29

DN	CBR
4.6	61
5.1	54
4.9	57
7.3	35
6.3	42

PROFILE: 500
Position: E

1,25 m

0,3 m edge

DEPTH, cm	DN	CBR
0-5	T.H.	
5-15		
15-25		
25-35		
35-50		

DN	CBR
2.5	140
3.6	85
15.0	13
24.8	7
24.4	7

DN	CBR
5.0	56
8.5	29
10.4	22
13.6	16
15.9	12

PROFILE: 900
Position: E

1,25 m

0,3 m edge

DEPTH, cm	DN	CBR
0-5	2.0	180
5-15	2.7	130
15-25	6.1	44
25-35	11.6	19
35-50	26.7	6

DN	CBR
3.0	110
4.7	60
9.6	24
15.0	13
32.0	5

DN	CBR
1.6	260
5.9	46
13.4	16
21.2	8
29.2	6

POSITIONS: 1982 Profile 2,00 m

1983 " 1,75 "

1984 " 1,50 "

1985 Profile 1,25 m

1986 " 1,00 "

1987 " 0,75 "

WORK SHEET

DCP
STRUCTURE NUMBER

NOTES	ROAD	Oodi
	SECTION	12
	PROFILE(S)	
	DATE/SIGN	23/3/86

CHAINAGE and POSITION	Surf. thickn.	BASE		SUBBASE		SUBGR. I		SUBGR. II		DSN ₅₀₀	PS ₁₀₀
		Thickn	DN	Thickn	DN	Thickn	DN	Thickn	DN		
100											
£	10	150	2,0	100	4,6	100	5,7	150	10,3	178,9	38,8
1,25 m	"	"	1,3	"	3,0	"	7,6	"	8,4	179,7	41,8
0,3 m from edge	"	"	4,9	"	4,9	"	7,3	"	6,3	88,5	23,1

500											
£	100	150	T.H	100	T.H	100	T.H	150	T.H	—	—
1,25 m	"	"	3,1	"	15,0	"	24,8	"	24,4	65,2	49,5
0,3 m from edge	"	"	7,0	"	10,4	"	13,6	"	15,9	47,8	29,9

900											
£	10	150	2,5	100	6,1	100	11,6	150	26,7	90,6	44,1
1,25 m	"	"	4,1	"	9,6	"	15,0	"	32,0	58,4	41,8
0,3 m from edge	"	"	2,7	"	13,4	"	21,2	"	29,2	72,9	50,8

AVERAGE VALUES FROM DIFFERENTE POSITIONS

POSITION	DSN ₅₀₀	PS ₁₀₀
£	109,8	41,5
1,25 m	101,1	44,7
0,3 m from edge	69,7	34,6

AVERAGE VALUES FOR THE SECTION

DSN ₅₀₀	PS ₁₀₀
93,5	40,3

**SUMMARY OF
ROAD SECTIONS
AND
ROAD STATISTICS**

DECEMBER 1985

SUMMARY SHEET

SUMMARY OF MEASUREMENTS

NOTES

ROAD

00di

SECTION

1

PROFILE(S)

DATE/SIGN

11/85

DCP		PAVEMENT STRENGTH CBR		
		Ø	1,25m L	2,20m L
Base	0- 5 cm			
"	5-15 "			
Subbase (subgrade)	15-25 "			
Subgrade	25-35 "			
"	35-50 "			
"	50-70 "			
"	70-90 "			
Average CBR to total depth				

TOTAL WIDTH
OF
SURFACING

4.98 m

SURFACE
EDGE DROP

4.1 cm

DCP STRUCTURE NUMBER	Ø	1,25m L	2,20m L	Average
DSN ₅₀₀				
PS ₁₀₀				

BEARING CAPACITY DYNAFLECT	DMD .10 ⁻³ mm	St.dev.	SCI .10 ⁻³ mm	DMD/SCI

RUT-DEPTH

3.9 mm

MOISTURE BY IN SITU SAMPLING (W%)	Depth	Distance from Ø in meters					
		Ø	1,00	1,25	1,50	2,20	5,50
	0- 5 cm						
	" 5-15 "						
	" 15-25 "						
	" 25-35 "						
	" 35-50 "						

EDGE PATCH.

0 m

TOTAL NUMBER OF POTHLES	Patched		Unpatched	
	<10cm Ø	>10cm Ø	<10cm Ø	>10cm Ø
	0	0	1	0

PSR

3.1

CRACKS

157.8 cm/m²

BUMP. INT.

3582 mm/km

VISCOSITY

SUMMARY SHEET

SUMMARY OF MEASUREMENTS

NOTES	ROAD	00di
	SECTION	2
	PROFILE(S)	
	DATE/SIGN	11/85

DCP	PAVEMENT STRENGTH CBR			
		D	1,25m L	2,20m L
Base 0- 5 cm				
" 5-15 "				
Subbase (subgrade) 15-25 "				
Subgrade 25-35 "				
" 35-50 "				
" 50-70 "				
" 70-90 "				
Average CBR to total depth				

TOTAL WIDTH OF SURFACING
5.07 m

SURFACE EDGE DROP
3.4 cm

DCP STRUCTURE NUMBER	D	1,25m L	2,20m L	Average
DSN 500				
PS 100				

BEARING CAPACITY DYNAFLECT	DMD ·10 ⁻³ mm	St.dev.	SCI ·10 ⁻³ mm	DMD/SCI

RUT-DEPTH
3.4 mm

MOISTURE BY IN SITU SAMPLING (W%)	Distance from D in meters					
	D	1,00	1,25	1,50	2,20	5,50
Depth 0- 5 cm						
" 5-15 "						
" 15-25 "						
" 25-35 "						
" 35-50 "						

EDGE PATCH.
0 m

TOTAL NUMBER OF POTHOLES	Patched		Unpatched	
	<10cm Ø	>10cm Ø	<10cm Ø	>10cm Ø
	0	0	0	0

PSR
2.9

CRACKS
207.3 cm/m ²

BUMP. INT.
3383 mm/km

VISCOSITY

SUMMARY SHEET

SUMMARY OF MEASUREMENTS

NOTES	ROAD	000i
	SECTION	3
	PROFILE(S)	
	DATE/SIGN	11/85

DCP	PAVEMENT STRENGTH CBR			
		D	1,25m L	2,20m L
Base 0- 5 cm				
" 5-15 "				
Subbase (subgrade) 15-25 "				
Subgrade 25-35 "				
" 35-50 "				
" 50-70 "				
" 70-90 "				
Average CBR to total depth				

TOTAL WIDTH OF SURFACING
4.79 m

SURFACE EDGE DROP
3.9 cm

DCP STRUCTURE NUMBER	D	1,25m L	2,20m L	Average
DSN 500				
PS 100				

BEARING CAPACITY DYNAFLECT	DMD .10 ⁻³ mm	St.dev.	SCI .10 ⁻³ mm	DMD/SCI

RUT-DEPTH
4.7 mm

MOISTURE BY IN SITU SAMPLING (W%)	Distance from D in meters					
	D	1,00	1,25	1,50	2,20	5,50
Depth 0- 5 cm						
" 5-15 "						
" 15-25 "						
" 25-35 "						
" 35-50 "						

EDGE PATCH.
117 m

TOTAL NUMBER OF POTHoles	Patched		Unpatched	
	<10cm Ø	>10cm Ø	<10cm Ø	>10cm Ø
	0	0	0	0

PSR
3.1

CRACKS
4.1 cm/m ²

BUMP. INT.
3604 mm/km

VISCOSITY

SUMMARY SHEET

SUMMARY OF OTHER DATA

TRAFFIC, MAINTENANCE COST AND RAINFALL

NOTES

- 1) Average for the years 1981 and 1983
 2) Expenditure for the total sealed length 18,5 km

ROAD	Oodi see 1-3
SECTION	
PROFILE(S)	
DATE/SIGN	

ANNUAL DAILY TRAFFIC (ADT) AND ESA 80 kN

Year	Light vehicle <5,0 t	Medium vehicle >5,0 - 8,0 t	Heavy vehicle >8,0 t	Total ADT	Total ESA 80 kN	Cumul. number of vehicles	Cumul. ESA 80 kN
Cumulative prior monitoring				110		126300	17000
1982	89	6	19	114	9800	167900	26800
1983	79	10	21	110	11200	208100	33000
1984	159	21	20	200	12200	281100	50200
1985		178	14	192	4500	346100	54700
1986							
1987							

MAINTENANCE COSTS

Year	Total costs Pula	Cost/km Pula
Cumulative prior monitoring	3000 ²⁾	162
1982	3000 ²⁾	162
Cumul.	6000	324
1983	3000	162
Cumul.	9000 ²⁾	486
1984	5000	270
Cumul.	14000	756
1985	30040	1669
Cumul.	44040	2425
1986		
Cumul.		
1987		
Cumul.		

RAINFALL

Year	mm
1982	497
1983	310
1984	319
1985	261
1986	
1987	

SUMMARY SHEET

SUMMARY OF MEASUREMENTS

NOTES	ROAD	000i
	SECTION	4
	PROFILE(S)	
	DATE/SIGN	11/85

DCP		PAVEMENT STRENGTH CBR		
		Ø	1,25m L	2,20m L
Base	0- 5 cm			
"	5-15 "			
Subbase (subgrade)	15-25 "			
Subgrade	25-35 "			
"	35-50 "			
"	50-70 "			
"	70-90 "			
Average CBR to total depth				

TOTAL WIDTH OF SURFACING
4.91 m

SURFACE EDGE DROP
3.1 cm

DCP STRUCTURE NUMBER	Ø	1,25m L	2,20m L	Average
DSN ₅₀₀				
PS ₁₀₀				

BEARING CAPACITY DYNAFLECT	DMD	St.dev.	SCI	DMD/SCI
	$\cdot 10^{-3} \text{mm}$		$\cdot 10^{-3} \text{mm}$	

RUT-DEPTH
3.2 mm

MOISTURE BY IN SITU SAMPLING (W%)	Depth	Distance from Ø in meters				
		Ø	1,00	1,25	1,50	2,20
	0- 5 cm					
	5-15 "					
	15-25 "					
	25-35 "					
	35-50 "					

EDGE PATCH.
70 m

TOTAL NUMBER OF POTHoles	Patched		Unpatched	
	<10cm Ø	>10cm Ø	<10cm Ø	>10cm Ø
	7	6	3	1

PSR
2.7

CRACKS
142.4 cm/m ²

BUMP. INT.
3559 mm/km

VISCOSITY

SUMMARY SHEET

SUMMARY OF MEASUREMENTS

NOTES	ROAD	00di
	SECTION	5
	PROFILE(S)	
	DATE/SIGN	11/85

DCP		PAVEMENT STRENGTH CBR		
		̄	1,25m L	2,20m L
Base	0- 5 cm			
"	5-15 "			
Subbase (subgrade)	15-25 "			
Subgrade	25-35 "			
"	35-50 "			
"	50-70 "			
"	70-90 "			
Average CBR to total depth				

TOTAL WIDTH OF SURFACING
4.53 m

SURFACE EDGE DROP
2.5 cm

DCP STRUCTURE NUMBER	̄	1,25m L	2,20m L	Average
DSN ₅₀₀				
PS ₁₀₀				

BEARING CAPACITY DYNAFLECT	DMD	St.dev.	SCI	DMD/SCI
	·10 ⁻³ mm		·10 ⁻³ mm	

RUT-DEPTH
4.6 mm

MOISTURE BY IN SITU SAMPLING (W%)	Distance from ̄ in meters						
		̄	1,00	1,25	1,50	2,20	5,50
Depth	0- 5 cm						
"	5-15 "						
"	15-25 "						
"	25-35 "						
"	35-50 "						

EDGE PATCH.
55 m

TOTAL NUMBER OF POTHOLES	Patched		Unpatched	
	<10cm Ø	>10cm Ø	<10cm Ø	>10cm Ø
	0	0	0	0

PSR
2.8

CRACKS
47.7 cm/m ²

BUMP. INT.
3449 mm/km

VISCOSITY

SUMMARY OF MEASUREMENTS

NOTES	ROAD	00Di
	SECTION	6
	PROFILE(S)	
	DATE/SIGN	11/85

DCP	PAVEMENT STRENGTH CBR			
		D	1,25m L	2,20m L
Base 0- 5 cm				
" 5-15 "				
Subbase (subgrade) 15-25 "				
Subgrade 25-35 "				
" 35-50 "				
" 50-70 "				
" 70-90 "				
Average CBR to total depth				

TOTAL WIDTH OF SURFACING
4.37 m

SURFACE EDGE DROP
3.5 cm

DCP STRUCTURE NUMBER	D	1,25m L	2,20m L	Average
DSN ₅₀₀				
PS ₁₀₀				

BEARING CAPACITY DYNAFLECT	DMD .10 ⁻³ mm	St.dev.	SCI .10 ⁻³ mm	DMD/SCI

RUT-DEPTH
4 mm

MOISTURE BY IN SITU SAMPLING (W%)	Distance from D in meters					
	D	1,00	1,25	1,50	2,20	5,50
Depth 0- 5 cm						
" 5-15 "						
" 15-25 "						
" 25-35 "						
" 35-50 "						

EDGE PATCH.
9 m

TOTAL NUMBER OF POTHoles	Patched		Unpatched	
	<10cm Ø	>10cm Ø	<10cm Ø	>10cm Ø

PSR
3.1

CRACKS
55.2 cm/m ²

BUMP. INT.
3537 mm/km

VISCOSITY

SUMMARY SHEET

SUMMARY OF MEASUREMENTS

NOTES	ROAD	00Di
	SECTION	7
	PROFILE(S)	
	DATE/SIGN	"/85

DCP		PAVEMENT STRENGTH CBR		
		Ø	1,25m L	2,20m L
Base	0- 5 cm			
"	5-15 "			
Subbase (subgrade)	15-25 "			
Subgrade	25-35 "			
"	35-50 "			
"	50-70 "			
"	70-90 "			
Average CBR to total depth				

TOTAL WIDTH OF SURFACING
4.68 m

SURFACE EDGE DROP
4 cm

DCP STRUCTURE NUMBER	Ø	1,25m L	2,20m L	Average
DSN ₅₀₀				
PS ₁₀₀				

BEARING CAPACITY DYNAFLECT	DMD	St.dev.	SCI	DMD/SCI
	·10 ⁻³ mm		·10 ⁻³ mm	

RUT-DEPTH
3.8 mm

MOISTURE BY IN SITU SAMPLING (W%)	Distance from Ø in meters						
		Ø	1,00	1,25	1,50	2,20	5,50
Depth	0- 5 cm						
"	5-15 "						
"	15-25 "						
"	25-35 "						
"	35-50 "						

EDGE PATCH.
34 m

TOTAL NUMBER OF POTHoles	Patched		Unpatched	
	<10cm Ø	>10cm Ø	<10cm Ø	>10cm Ø
	0	0	0	0

PSR
3.1

CRACKS
97.2 cm/m ²

BUMP. INT.
3427 mm/km

VISCOSITY

SUMMARY SHEET

SUMMARY OF MEASUREMENTS

NOTES	ROAD	00di
	SECTION	8
	PROFILE(S)	
	DATE/SIGN	11/85

DCP		PAVEMENT STRENGTH CBR		
		̄	1,25m L	2,20m L
Base	0- 5 cm			
"	5-15 "			
Subbase (subgrade)	15-25 "			
Subgrade	25-35 "			
"	35-50 "			
"	50-70 "			
"	70-90 "			
Average CBR to total depth				

TOTAL WIDTH OF SURFACING
4.66 m

SURFACE EDGE DROP
4.2 cm

DCP STRUCTURE NUMBER	̄	1,25m L	2,20m L	Average
DSN ₅₀₀				
PS ₁₀₀				

BEARING CAPACITY DYNAFLECT	DMD ·10 ⁻³ mm	St.dev.	SCI ·10 ⁻³ mm	DMD/SCI

RUT-DEPTH
4.8 mm

MOISTURE BY IN SITU SAMPLING (W%)	Depth	Distance from ̄ in meters				
		̄	1,00	1,25	1,50	2,20
	0- 5 cm					
	" 5-15 "					
	" 15-25 "					
	" 25-35 "					
	" 35-50 "					

EDGE PATCH.
16 m

TOTAL NUMBER OF POTHoles	Patched		Unpatched	
	<10cm Ø	>10cm Ø	<10cm Ø	>10cm Ø
	0	0	0	0

PSR
3.2

CRACKS
111.3 cm/m²

BUMP. INT.
3471 mm/km

VISCOSITY

SUMMARY SHEET

SUMMARY OF MEASUREMENTS

NOTES 1) The road surfacing are disintegrating 2) No photographs extensively cracked.	ROAD	00di
	SECTION	9
	PROFILE(S)	
	DATE/SIGN	11/85

DCP	PAVEMENT STRENGTH CBR		
		D	1,25m L
Base 0- 5 cm			
" 5-15 "			
Subbase (subgrade) 15-25 "			
Subgrade 25-35 "			
" 35-50 "			
" 50-70 "			
" 70-90 "			
Average CBR to total depth			

TOTAL WIDTH OF SURFACING
4.72 m

SURFACE EDGE DROP
3 cm

DCP STRUCTURE NUMBER	D	1,25m L	2,20m L	Average
DSN ₅₀₀				
PS ₁₀₀				

BEARING CAPACITY DYNAFLECT	DMD .10 ⁻³ mm	St.dev.	SCI .10 ⁻³ mm	DMD/SCI

RUT-DEPTH
5.7 mm

MOISTURE BY IN SITU SAMPLING (W%)	Distance from D in meters					
		D	1,00	1,25	1,50	2,20
Depth 0- 5 cm						
" 5-15 "						
" 15-25 "						
" 25-35 "						
" 35-50 "						

EDGE PATCH.
5 m

TOTAL NUMBER OF POTHOLES	Patched		Unpatched		
	<10cm Ø	>10cm Ø	<10cm Ø	>10cm Ø	
1)					

PSR
2.4

CRACKS
2) cm/m ²

BUMP. INT.
3449 mm/km

VISCOSITY

SUMMARY SHEET

SUMMARY OF MEASUREMENTS

NOTES 1) The road surfacing is disintegrating 2) No photographs, extensively cracked	ROAD	0001
	SECTION	10
	PROFILE(S)	
	DATE/SIGN	11/85

DCP	PAVEMENT STRENGTH CBR		
	Ø	1,25m L	2,20m L
Base 0- 5 cm			
" 5-15 "			
Subbase (subgrade) 15-25 "			
Subgrade 25-35 "			
" 35-50 "			
" 50-70 "			
" 70-90 "			
Average CBR to total depth			

TOTAL WIDTH OF SURFACING
4.46 m

SURFACE EDGE DROP
5.5 cm

DCP STRUCTURE NUMBER	Ø	1,25m L	2,20m L	Average
DSN ₅₀₀				
PS ₁₀₀				

BEARING CAPACITY DYNAFLECT	DMD	St.dev.	SCI	DMD/SCI
	.10 ⁻³ mm		.10 ⁻³ mm	

RUT-DEPTH
3.7 mm

MOISTURE BY IN SITU SAMPLING (W%)	Depth	Distance from Ø in meters				
		Ø	1,00	1,25	1,50	2,20
	0- 5 cm					
	" 5-15 "					
	" 15-25 "					
	" 25-35 "					
	" 35-50 "					

EDGE PATCH.
7 m

TOTAL NUMBER OF POTHOLES	1)	Patched		Unpatched	
		<10cm Ø	>10cm Ø	<10cm Ø	>10cm Ø

PSR
2.6

CRACKS
2) cm/m ²

BUMP. INT.
3361 mm/km

VISCOSITY

SUMMARY SHEET

SUMMARY OF MEASUREMENTS

NOTES	ROAD	0001
	SECTION	11
	PROFILE(S)	
	DATE/SIGN	11/85

DCP	PAVEMENT STRENGTH CBR		
		E	1,25m L
Base 0- 5 cm			
" 5-15 "			
Subbase (subgrade) 15-25 "			
Subgrade 25-35 "			
" 35-50 "			
" 50-70 "			
" 70-90 "			
Average CBR to total depth			

TOTAL WIDTH OF SURFACING
4.61 m

SURFACE EDGE DROP
4.4 cm

DCP STRUCTURE NUMBER	E	1,25m L	2,20m L	Average
DSN ₅₀₀				
PS ₁₀₀				

BEARING CAPACITY DYNAFLECT	DMD .10 ⁻³ mm	St.dev.	SCI .10 ⁻³ mm	DMD/SCI

RUT-DEPTH
3.5 mm

MOISTURE BY IN SITU SAMPLING (W%)	Distance from E in meters					
	E	1,00	1,25	1,50	2,20	5,50
Depth 0- 5 cm						
" 5-15 "						
" 15-25 "						
" 25-35 "						
" 35-50 "						

EDGE PATCH.
0 m

TOTAL NUMBER OF POTHoles	Patched		Unpatched	
	<10cm Ø	>10cm Ø	<10cm Ø	>10cm Ø
	0	0	0	0

PSR
3.0

CRACKS
1189.1 cm/m ²

BUMP. INT.
4461 mm/km

VISCOSITY

SUMMARY SHEET

SUMMARY OF MEASUREMENTS

NOTES

ROAD

000i

SECTION

12

PROFILE(S)

DATE/SIGN

11/86

DCP		PAVEMENT STRENGTH CBR		
		\bar{x}	1,25m L	2,20m L
Base	0- 5 cm			
"	5-15 "			
Subbase (subgrade)	15-25 "			
Subgrade	25-35 "			
"	35-50 "			
"	50-70 "			
"	70-90 "			
Average CBR to total depth				

TOTAL WIDTH
OF
SURFACING

4.55 m

SURFACE
EDGE DROP

3.4 cm

DCP STRUCTURE NUMBER	\bar{x}	1,25m L	2,20m L	Average
DSN ₅₀₀				
PS ₁₀₀				

BEARING CAPACITY DYNAFLECT	DMD .10 ⁻³ mm	St.dev.	SCI .10 ⁻³ mm	DMD/SCI

RUT-DEPTH

3.9 mm

MOISTURE BY IN SITU SAMPLING (W%)	Depth	Distance from \bar{x} in meters					
			\bar{x}	1,00	1,25	1,50	2,20
	0- 5 cm						
	" 5-15 "						
	" 15-25 "						
	" 25-35 "						
	" 35-50 "						

EDGE PATCH.

0 m

TOTAL NUMBER OF POTHoles	Patched		Unpatched	
	<10cm ϕ	>10cm ϕ	<10cm ϕ	>10cm ϕ
	0	0	0	0

PSR

3.1

CRACKS
1340.8 cm/m ²

BUMP. INT.
3515 mm/km

VISCOSITY

SUMMARY OF OTHER DATA

TRAFFIC, MAINTENANCE COST AND RAINFALL

NOTES

- 1) Average for the years 1981-1983
- 2) Expenditure for the totale sealed length 18,5 km

ROAD	Oodi 4-12
SECTION	
PROFILE(S)	
DATE/SIGN	

ANNUAL DAILY TRAFFIC (ADT) AND ESA 80 kN

Year	Light vehicle <5,0 t	Medium vehicle >5,0 - 8,0 t	Heavy vehicle >8,0 t	Total ADT	Total ESA 80 kN	Cumul. number of vehicles	Cumul. ESA 80 kN
Cumulative prior monitoring				55		62000	8400
1982 ¹⁾	43	5	14	62	7300	84600	15700
1983	49	7	15	71	8000	110500	23700
1984	60	9	15	84	8300	141100	32000
1985	77	10	11	98 ¹⁾	3000	176900	35000
1986							
1987							

MAINTENANCE COSTS

Year	Total costs Pula	Cost/km Pula
Cumulative prior monitoring	3000 ²⁾	162
1982	3000 ²⁾	162
Cumul.	6000	324
1983	3000	162
Cumul.	9000 ²⁾	486
1984	5000	270
Cumul.	14000	756
1985	30040	1669
Cumul.	44040	2425
1986		
Cumul.		
1987		
Cumul.		

RAINFALL

Year	mm
1982	497
1983	310
1984	319
1985	261
1986	
1987	

¹⁾ Estimated.

RAINFALL

NOTES

ROAD

Oodi

SECTION

PROFILE(S)

DATE/SIGN

LOCATION OF STATION *GABORONE*

MEAN ANNUAL

 mm

YEAR \ MONTH	1982 mm	1983 mm	1984 mm	1985 mm	1986 mm	1987 mm
JANUARY	58,5	84,5	31,4	39,0		
FEBRUARY	45,6	27,3	34,2	33,2		
MARCH	31,3	32,1	82,9	35,9		
APRIL	53,7	7,3	8,9	0		
MAY	NIL	12,3	0,1	8,0		
JUNE	NIL	4,4	4,9	0		
JULY	10,0	NIL	3,4	0		
AUGUST	NIL	0,2	1,6	1,0		
SEPTEMBER	NIL	2,8	5,5	2,5		
OCTOBER	79,3	19,2	71,7	22,8		
NOVEMBER	192,2	66,2	32,5	2,8		
DECEMBER	40,7	71,8	11,9	89,3		
TOTAL mm	511,3	328,1	289,0	234,5		
MEAN ANNUAL						

LOCATION OF STATION *MOCHUDI*

MEAN ANNUAL

 mm

YEAR \ MONTH	1982 mm	1983 mm	1984 mm	1985 mm	1986 mm	1987 mm
JANUARY	93,0	54,8	16,5	50,4		
FEBRUARY	74,0	24,0	97,5	70,5		
MARCH	8,5	41,0	103,0	21,5		
APRIL	29,0	3,0	12,6	0		
MAY	NIL	3,5	0,0	0		
JUNE	NIL	NIL	3,0	0		
JULY	1,6	NIL	3,5	0		
AUGUST	NIL	NIL	0,0	0		
SEPTEMBER	NIL	7,0	8,0	3,5		
OCTOBER	78,5	27,5	73,8	28,0		
NOVEMBER	80,5	68,0	27,0	17,5		
DECEMBER	117,5	62,0	4,0	95,0		
TOTAL mm	482,6	290,8	348,9	286,4		
MEAN ANNUAL						

TRAFFIC COUNTS (ADT)

NOTES	ROAD	
	SECTION	
	PROFILE(S)	
	DATE/SIGN	

OODI sec. 1-3

1981	<i>May</i>	88	2	17	118
1983	<i>August</i>	79	10	21	110
1984	<i>November</i>	159	21	20	200
1985	<i>March</i>	178		14	192
1986					
1987					

OODI sec. 4-12

1981	<i>May</i>	38	3	13	54
1983	<i>August</i>	49	7	15	71
1984	<i>December</i>	60	9	15	84
1985	<i>Estimated</i>	77	10	11	98
1986					
1987					

ROUGHNESS MEASUREMENTS

NOTES

$$X = \frac{Y + 2352}{2392}$$

ROAD	Oodi
SECTION	1 - 12
PROFILE(S)	
DATE/SIGN	22/10/85

TYPE OF CAR: LAND ROVER (110) SPEED: 40 km/h
BC 2018

SECTION NO	Increasing chainage	Roughness value mm/km	Decreasing chainage	Roughness value mm/km	Average roughness value mm/km
1	67	1702	64	1626	1664
2	56	1422	58	1473	1448
3	70	1778	63	1600	1689
4	66	1676	63	1600	1638
5	64	1626	55	1397	1512
6 [*]	14	1513	16	1729	1621
7	62	1574	56	1422	1498
8	61	1549	61	1549	1549
9 [*]	30	1524	30	1524	1524
10 [*]	31	1574	25	1270	1422
11	101	2565	101	2565	2565
12	63	1600	63	1600	1600

$$\text{Roughness value (mm/km)} = \frac{\text{actual count} \cdot 25,4}{\text{length of section in km}}$$

$$R = 472 + 1473x + 225x^2$$

SECTION 1

SERVICEABILITY RATING (PSR)

NOTES

ROAD	Oodi
SECTION	1
PROFILE(S)	
DATE/SIGN	14/10/85

TYPE OF CAR: Toyota 4/c st.w.

MEASURING TEAM:

PERSON	NAME	TRIP	
		1	2
A	Ekker	2,8	
B	Snustad	2,5	
C	Barry	3,2	
D	Norheim	3,4	
E	C. Øverby	3,5	

OTHER PERSONS (BUT NOT MORE THAN ONE MONTH
BEFORE OR AFTER DATE ABOVE)

a			
b			
c			
d			
e			

TOTAL SUM SUM ÷ No. PERSONS (= PSR)

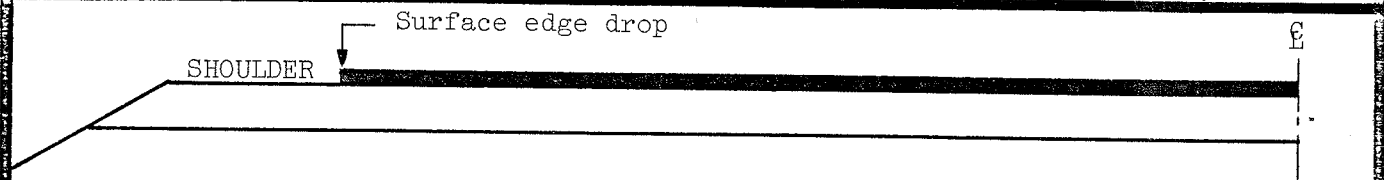
SIMPLIFIED RATING INSTRUCTIONS:

SPEED 80 km/h

5	_____	
	VERY GOOD	
4	_____	
	GOOD	
3	_____	
	FAIR	
2	_____	
	POOR	
1	_____	
	VERY POOR	
0	_____	

EDGE DROP, MAX RUTTING and WIDTH OF SURFACING

NOTES	ROAD	Oodi
	SECTION	1
	PROFILE(S)	
	DATE/SIGN	14/10/85



PROFILE (m)	Edge drop (cm)	Max Rutting (mm)	Width of Surfacing (m)
100	4	3	5,00
300	4,5	23	5,04
500	5	7	5,00
700	3,5	3	4,88
900	4	3,5	5,00
AVERAGE	4,1	3,9	4,98

POTHOLES COUNT MEASUREMENT

NOTES	ROAD	Oodi
	SECTION	1
	PROFILE(S)	
	DATE/SIGN	14/10/85

KM	0	200	400	600	800	1000
No. POTHOLES						
						SUM
<u>Patched</u>						
Dim ≤ 10 cm	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Dim > 10 cm	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<u>Unpatched</u>						
Dim ≤ 10 cm	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="1"/>	<input type="text" value="1"/>
Dim > 10 cm	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

TOTAL NUMBER OF POTHOLES

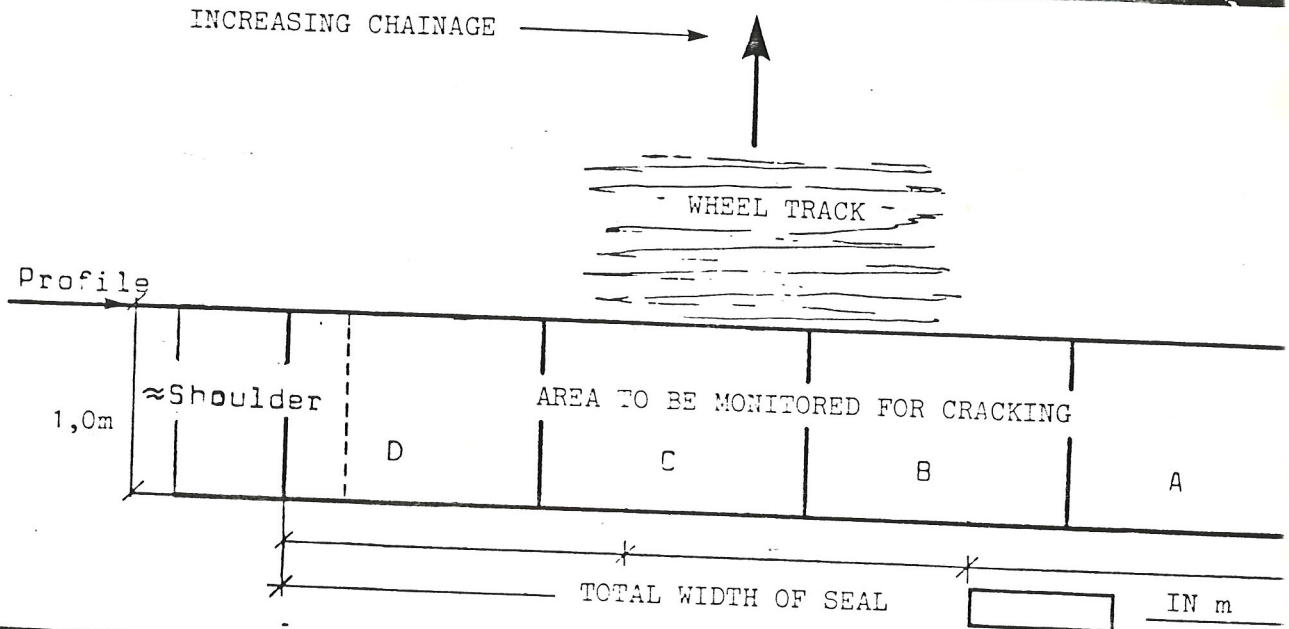
Patched

Unpatched

CRACKING MEASUREMENTS

NOTES

ROAD	Oodi
SECTION	1
PROFILE(S)	100
DATE/SIGN	11/85



AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0.7m ²	220				
B -"-	62				
C -"-	86				
D 0.40m ²	40				
Σ length cm	408				
weighted number	0,5	1	4	8	8
Σ cm weighted	204				

Total weighted length of cracks 204

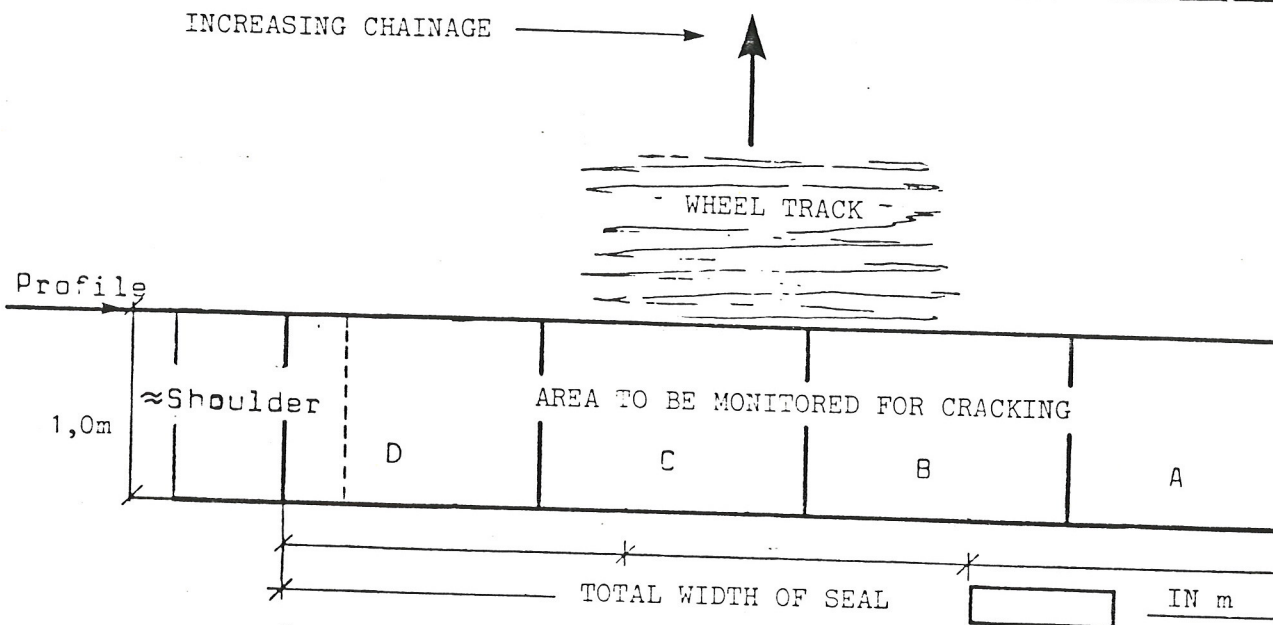
Total area (A+B+C+D) in m² 2,5

Weighted length of cracks ÷ area 81,6

CRACKING MEASUREMENTS

NOTES

ROAD	Oodi
SECTION	1
PROFILE(S)	500
DATE/SIGN	11/85



AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0.7m ²					
B -u-					
C -u-	105				
D 0.4m ²	91				
Σ length cm	196				
weighted number	0,5	1	4	8	8
Σ cm weighted	98				

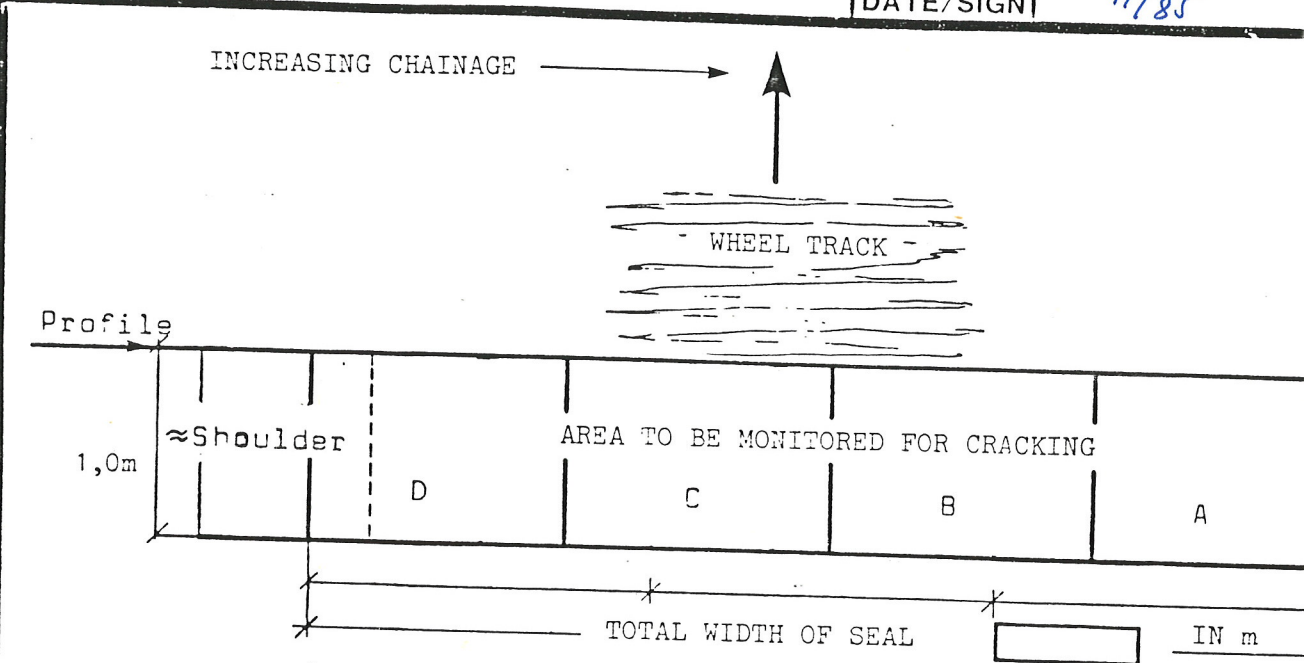
Total weighted length of cracks

Total area (A+B+C+D) in m²

Weighted length of cracks ÷ area

CRACKING MEASUREMENTS

NOTES	ROAD	Oodi
	SECTION	1
	PROFILE(S)	900
	DATE/SIGN	11/85



AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0.7m ²	41				
B -u-	14				
C -u-	10				
D 0.4m ²	120				
Σ length cm	185				
weighted number	0,5	1	4	8	8
Σ cm weighted	92,5				

Total weighted length of cracks 92,5

Total area (A+B+C+D) in m² 2,5

Weighted length of cracks ÷ area 37,0

VISUAL OBSERVATION SURFACING

NOTES

Surface dressing $\frac{1}{2}$ " + sand seal
 Primed
 Both seals 5,00 m wide

ROAD

Oodi

SECTION

1

PROFILE(S)

DATE/SIGN

15/10/85

CØ/BN

**CHAINAGE
from-to**
COMMENTS

0 - 140	Blockcracks over the entire width of the surfacing, size 100 x 100 cm to 200 x 200 cm. The width of the cracks have become some wider than last time (2-3 mm, some 4-5 mm).
120 - 240	R.H.S. block cracking. More than 0-140.
140 - 240	As 0-140 but less crack on the L.H.S.
240 - 330	L.H.S. longitudinal cracks 50-100 cm from the edge of surfacing. Frequently R.H.S. sometimes E.
370 - 380	L.H.S. longitudinal cracks 50-100 cm from the edge of surfacing.
385 - 395	E longitudinal cracks.
360 - 405	R.H.S. longitudinal cracks 50-100 cm from the edge of surfacing. Transverse cracks from the edge of surfacing towards E at 2-3 m intervals.
410 - 420	R.H.S. as 240 - 330
460 - 490	L.H.S. as 240 - 330
480 - 550	R.H.S. as 240 - 330
580 - 590	R.H.S. longitudinal cracks 130 cm from the edge of surfacing.
600 - 660	R.H.S. longitudinal cracks 50-100 cm from the edge of surfacing.
610 - 620	Tendency of blockcracking over the entire width of the surfacing.
640 - 700	L.H.S. as 240-330 but to a smaller extent also E.
700 - 740	L.H.S./R.H.S. 100 cm from edge of surfacing longitudinal cracks.
760 - 770	L.H.S. longitudinal cracks 150 cm from the edge of surfacing.
780 - 820	R.H.S. longitudinal cracks 50 and 100 cm from the edge of surfacing.

WORKSHEET

VISUAL OBSERVATION

SURFACING

NOTES

Surface dressing $\frac{1}{2}$ " + sand seal
 Primed
 Both seals 5,00 m wide

ROAD	Oodi
SECTION	1
PROFILE(S)	
DATE/SIGN	15/10/85 CØ/BN

CHAINAGE
from-to
COMMENTS

880 - 890	R.H.S. longitudinal cracks 50 cm from the edge of surfacing.
910 - 940	Also in E. Some blockcracking 50 x 100 cm.
960 - 1000	As 910-940, but to a smaller extent.
POTHOLES	770 L.H.S. unpatched < 10 cm l
GENERAL	General performance as 16/11/84 but the cracks is more visible. The performance of the surfacing very good. The binder is very much alive.

SECTION 2

WORKSHEET

SERVICEABILITY RATING (PSR)

NOTES

ROAD	<i>Oodi</i>
SECTION	<i>2</i>
PROFILE(S)	
DATE/SIGN	<i>14/10/85</i>

TYPE OF CAR: *Toyota 4/c st.w.*

MEASURING TEAM:

PERSON	NAME	TRIP	
		1	2
A	<i>Ebker</i>	<i>2.6</i>	
B	<i>Snustad</i>	<i>3.0</i>	
C	<i>Barry</i>	<i>2.8</i>	
D	<i>Norheim</i>	<i>2.5</i>	
E	<i>C. φverby</i>	<i>3.4</i>	

OTHER PERSONS (BUT NOT MORE THAN ONE MONTH
BEFORE OR AFTER DATE ABOVE)

a			
b			
c			
d			
e			

TOTAL SUM *14.3*SUM ÷ No. PERSONS *2.9* (= PSR)

SIMPLIFIED RATING INSTRUCTIONS:

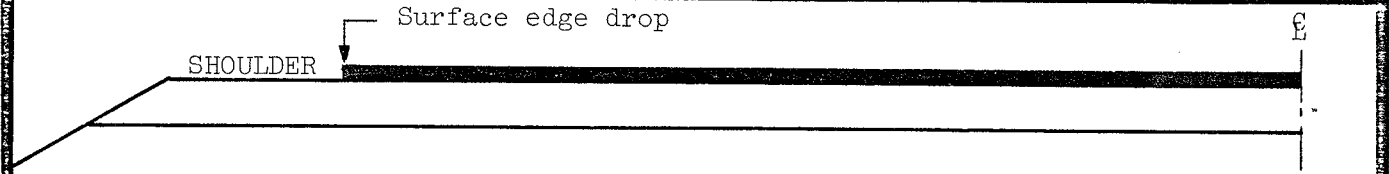
5	_____	
	VERY GOOD	
4	_____	
	GOOD	
3	_____	
	FAIR	
2	_____	
	POOR	
1	_____	
	VERY POOR	
0	_____	

SPEED 80 km/h

WORKSHEET

**EDGE DROP, MAX RUTTING
and WIDTH OF SURFACING**

NOTES	ROAD	Oodi
	SECTION	2
	PROFILE(S)	
	DATE/SIGN	14/10/85



PROFILE (m)	Edge drop (cm)	Max Rutting (mm)	Width of Surfacing (m)
100	3	3	5.05
300	3,5	3	5,12
500	3,5	4	5,14
700	3,5	4	5,05
900	3,5	3	5,02
AVERAGE	3,4	3,4	5,07

POTHOLES COUNT MEASUREMENT

NOTES	ROAD	Oodi
	SECTION	2
	PROFILE(S)	
	DATE/SIGN	14/10/85

KM 0 200 400 600 800 1000

No. POTHOLES									

						SUM
<u>Patched</u>						
Dim ≤ 10 cm	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Dim > 10 cm	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<u>Unpatched</u>						
Dim ≤ 10 cm	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Dim > 10 cm	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

TOTAL NUMBER OF POTHOLES

Patched

Unpatched

VISUAL OBSERVATION SURFACING

NOTES

Surface dressing $\frac{1}{2}$ " + sand seal
 Primed
 Both seals 5,00 m wide

ROAD	Oodi
SECTION	2
PROFILE(S)	
DATE/SIGN	15/10/85 CØ/BN

**CHAINAGE
from-to**
COMMENTS

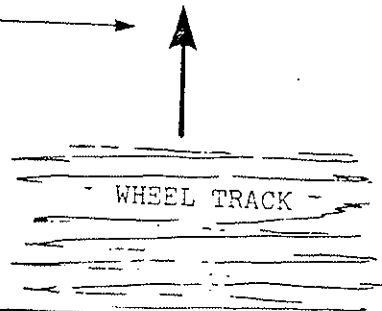
0 - 60	R.H.S. longitudinal cracks from edge of surfacing
70 - 200	Block cracking 50 x 100 cm and 100 x 200 cm, increasing towards the culvert.
200 - 280	Longitudinal cracks 50-200 cm in length. Both L.H.S. and R.H.S. about 50-100 cm from the edge of surfacing. Frequently also in E .
280 - 320	Continuously longitudinal cracks both L.H.S. and R.H.S. as well as E . 50 - 100 cm from edge of surfacing.
325 - 410	Longitudinal cracks in wheeltrack L.H.S. The cracked area is about 50 - 60 cm wide with 10 cm spacing between the cracks.
410 - 500	Frequently longitudinal cracks 30 - 50 cm from edge of surfacing both L.H.S. and R.H.S.
520 - 560	Longitudinal cracks L.H.S. 50 cm from edge of surfacing.
640 - 660	Block cracking over the entire width 50 - 100 cm
660 - 700	L.H.S. two parallel longitudinal 50 cm from edge of the surfacing. Also some block cracking.
700 - 760	R.H.S. parallel longitudinal cracks 10 - 20 cm apart about 50 cm from edge of surfacing.
700 - 760	L.H.S. longitudinal cracks frequently outer 50 cm from edge of surfacing.
760 - 780	E longitudinal cracks.
780 - 860	R.H.S. longitudinal cracks outer 50 cm.
850 - 900	L.H.S. " " " 100 cm
900 - 1000	L.H.S. and R.H.S. longitudinal cracks outer 100 cm
980 - 1000	E parallel longitudinal cracks 100 cm wide and 10 cm apart.
POTHoles	None
GENERAL	The surface performance is very good.

CRACKING MEASUREMENTS

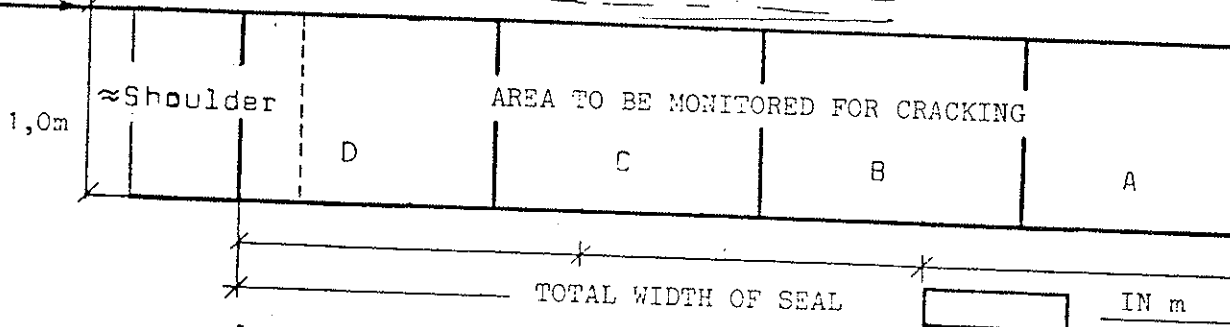
NOTES

ROAD	00di
SECTION	2
PROFILE(S)	100
DATE/SIGN	11/85

INCREASING CHAINAGE →



Profile



AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0.7m ²	208				
B -u-	17				
C -u-	130				
D 0.45.	137				
Σ length cm	492				
weighted number	0,5	1	4	8	8
Σ cm weighted	246				

Total weighted length of cracks 246

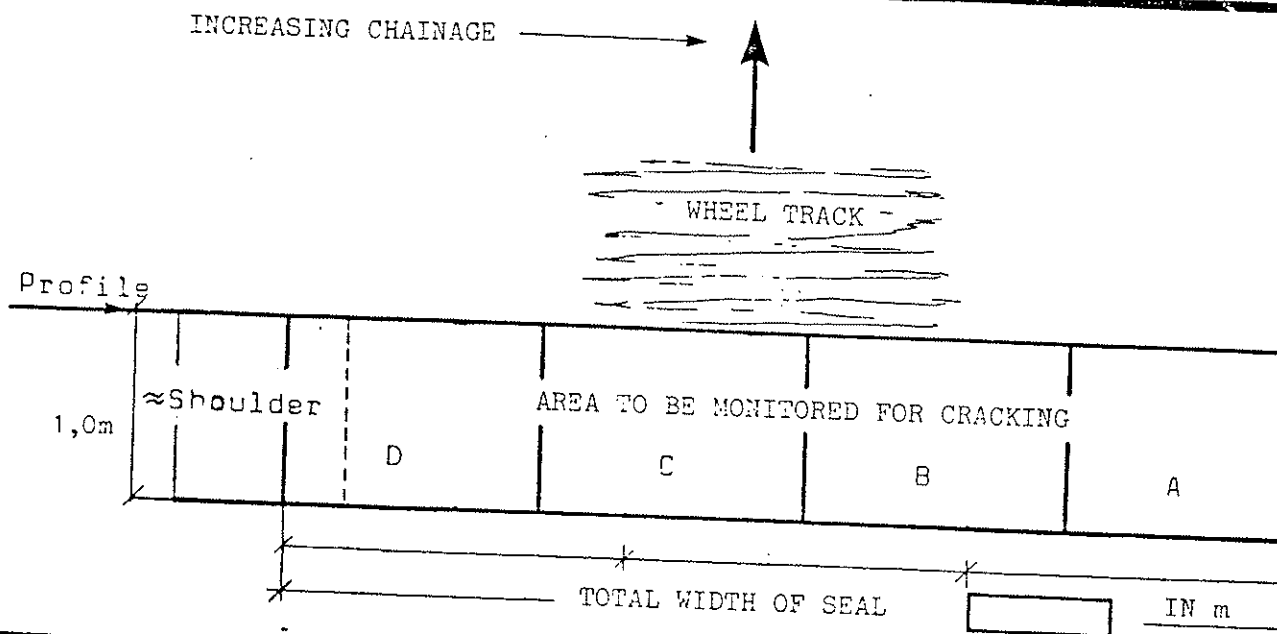
Total area (A+B+C+D) in m² 2,55

Weighted length of cracks ÷ area 96,5

CRACKING MEASUREMENTS

NOTES

ROAD	Oodi
SECTION	2
PROFILE(S)	500
DATE/SIGN	11/85



AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0,7m ²	21				
B -u-	36				
C -u-	128				
D 0,40m ²	130				
Σ length cm	315				
weighted number	0,5	1	4	8	8
Σ cm weighted	157,5				

Total weighted length of cracks 157,5

Total area (A+B+C+D) in m² 2,5

Weighted length of cracks ÷ area 63

CRACKING MEASUREMENTS

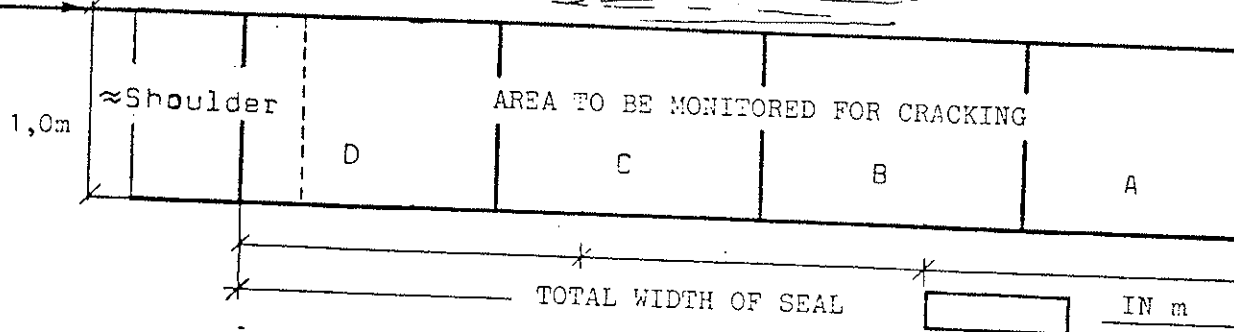
NOTES

ROAD	000h
SECTION	2
PROFILE(S)	900
DATE/SIGN	11/85

INCREASING CHAINAGE →

↑
WHEEL TRACK

Profile



AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0,7m ²					
B -4-	80				
C -4-	112				
D 0,40m ²	47				
Σ length cm	239				
weighted number	0,5	1	4	8	8
Σ cm weighted	119,5				

Total weighted length of cracks 119,5

Total area (A+B+C+D) in m² 2,6

Weighted length of cracks ÷ area 47,8

SECTION 3

WORKSHEET

SERVICEABILITY RATING (PSR)

NOTES

ROAD	<i>Oodi</i>
SECTION	<i>3</i>
PROFILE(S)	
DATE/SIGN	<i>14/10/85</i>

TYPE OF CAR: *Toyota 4c st.w.*

MEASURING TEAM:

PERSON	NAME	TRIP	
		1	2
A	<i>Ekker</i>	<i>3,2</i>	
B	<i>Snustad</i>	<i>2,5</i>	
C	<i>Barry</i>	<i>2,9</i>	
D	<i>Norheim</i>	<i>3,3</i>	
E	<i>C. φverby</i>	<i>3,5</i>	

OTHER PERSONS (BUT NOT MORE THAN ONE MONTH BEFORE OR AFTER DATE ABOVE)

a			
b			
c			
d			
e			

TOTAL SUM *15,4*SUM ÷ No. PERSONS *3,1* (= PSR)

SIMPLIFIED RATING INSTRUCTIONS:

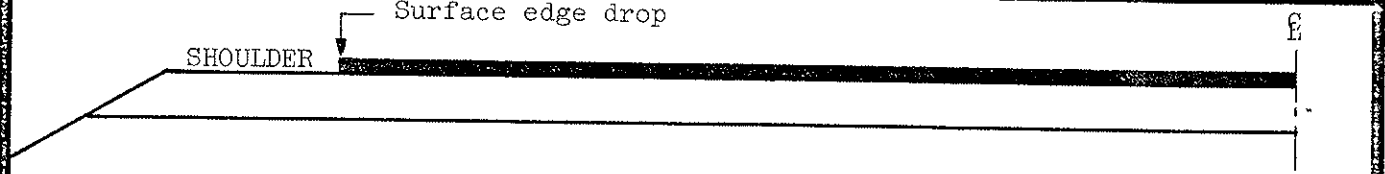
5	_____
4	_____
3	_____
2	_____
1	_____
0	_____

VERY GOOD
 GOOD
 FAIR
 POOR
 VERY POOR

SPEED 80 km/h

EDGE DROP, MAX RUTTING and WIDTH OF SURFACING

NOTES	ROAD	Oodi
	SECTION	3
	PROFILE(S)	
	DATE/SIGN	15/10/85



PROFILE (m)	Edge drop (cm)	Max Rutting (mm)	Width of Surfacing (m)
100	4	3	4,62
300	4	6	4,86
500	4	5,5	4,73
700	4	4	4,79
900	3,5	5	4,97
AVERAGE	3,9	4,7	4,79

POTHOLES COUNT MEASUREMENT

NOTES	ROAD	Oodi
	SECTION	3
	PROFILE(S)	
	DATE/SIGN	19/10/85

KM	0	200	400	600	800	1000
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
No. POTHOLES	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<u>Patched</u>						
Dim ≤ 10 cm	<input type="text" value="1"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="1"/>
Dim > 10 cm	<input type="text" value="1"/>	<input type="text"/>	<input type="text" value="1"/>	<input type="text" value="1"/>	<input type="text"/>	<input type="text" value="3"/>
<u>Unpatched</u>						
Dim ≤ 10 cm	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Dim > 10 cm	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

TOTAL NUMBER OF POTHOLES

Patched

Unpatched

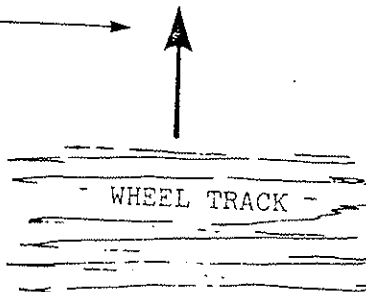
All potholes 1st seal.

CRACKING MEASUREMENTS

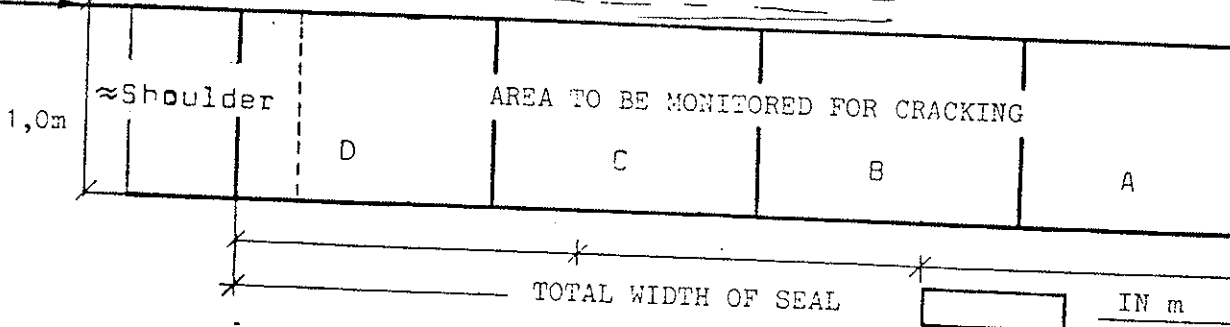
NOTES

ROAD	Oodi
SECTION	3
PROFILE(S)	100
DATE/SIGN	11/85

INCREASING CHAINAGE →



Profile



AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0,7m ²					
B ~ u ~					
C ~ u ~					
D 0,20m ²					
Σ length cm					
weighted number	0,5	1	4	8	8
Σ cm weighted					

Total weighted length of cracks

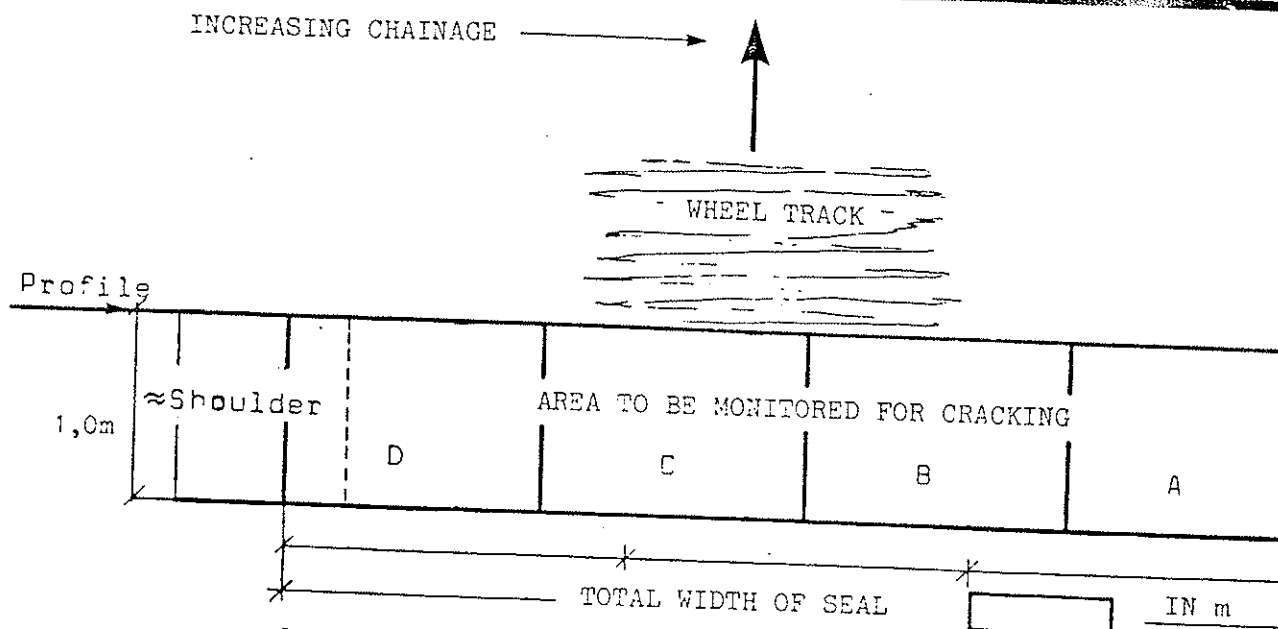
Total area (A+B+C+D) in m²

Weighted length of cracks ÷ area

CRACKING MEASUREMENTS

NOTES

ROAD	0odi
SECTION	3
PROFILE(S)	500
DATE/SIGN	11/85



AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0.7 m ²	19				
B - u -					
C - u -					
D 0.20 m ²					
Σ length cm	19				
weighted number	0,5	1	4	8	8
Σ cm weighted	9,5				

Total weighted length of cracks

Total area (A+B+C+D) in m²

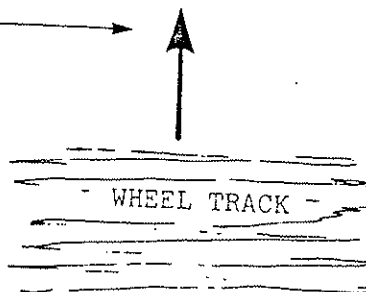
Weighted length of cracks ÷ area

CRACKING MEASUREMENTS

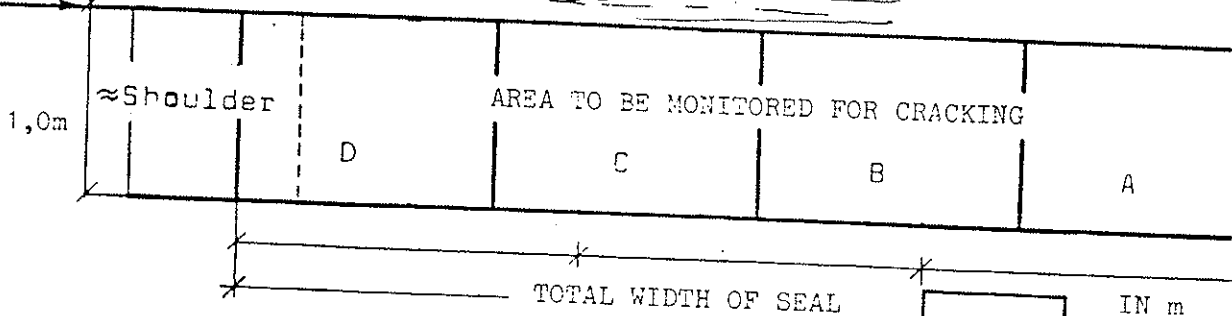
NOTES

ROAD	Oodi
SECTION	3
PROFILE(S)	900
DATE/SIGN	11/85

INCREASING CHAINAGE →



Profile



AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0.7m ²					
B -u-					
C -u-					
D 0.40m ²					
Σ length cm					
weighted number	0,5	1	4	8	8
Σ cm weighted					

Total weighted length of cracks

Total area (A+B+C+D) in m²

Weighted length of cracks ÷ area

VISUAL OBSERVATION SURFACING

NOTES

Double graded gravel seal, primed
 1. seal 5,0 m wide
 2. seal 3,5 m wide

ROAD	Oodi
SECTION	3
PROFILE(S)	
DATE/SIGN	15/10/85 CØ/BN

**CHAINAGE
from-to**
COMMENTS

0 - 300 The surfacing still appear more coarser than the rest of the section.

300 - 304 L.H.S. crockodil cracks in wheeltrack.

300 - 500 L.H.S. 1st seal disintegrates.

400 - 410 R.H.S. frequently longitudinal cracks edge of surfacing 1st seal.

POTHoles

Chainage	150	L.H.S.	1st seal	patched	> 10 cm	1
"	155	"	"	"	< 10 cm	1
"	557	"	"	"	> 10 cm	1
"	730	"	"	"	> 10 cm	1

Due to some disintegration of the surfacing edge 1st seal some edge patching have been carried out.

EDGE PATCHING

Chainage	360 - 418	R.H.S.	= 58 m
"	438 - 450	"	= 12 m
"	541 - 546	L.H.S.	= 5 m
"	582 - 617	"	= 35 m
"	945 - 952	"	= 7 m
			<u>=117 m</u>

GENERAL

None cracks observed on the 2nd seal. Very little whip off.

The surface performance is unchanged during the last 2-3 years.

SECTION 4

SERVICEABILITY RATING (PSR)

NOTES	ROAD	<i>Oodi</i>
	SECTION	<i>4</i>
	PROFILE(S)	
	DATE/SIGN	<i>14/10/85</i>

TYPE OF CAR: *Toyota 4/c st.w.*

MEASURING TEAM:

PERSON	NAME	TRIP	
		1	2
A	<i>Ekker</i>	<i>2.8</i>	
B	<i>Snustad</i>	<i>1.0</i>	
C	<i>Barry</i>	<i>3.0</i>	
D	<i>Norheim</i>	<i>1.5</i>	
E	<i>C. Øverby</i>	<i>3.1</i>	

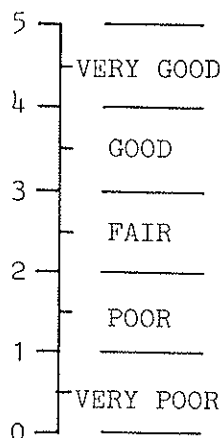
OTHER PERSONS (BUT NOT MORE THAN ONE MONTH BEFORE OR AFTER DATE ABOVE)

a			
b			
c			
d			
e			

TOTAL SUM *13.4*

SUM ÷ No. PERSONS *2.7* (= PSR)

SIMPLIFIED RATING INSTRUCTIONS:

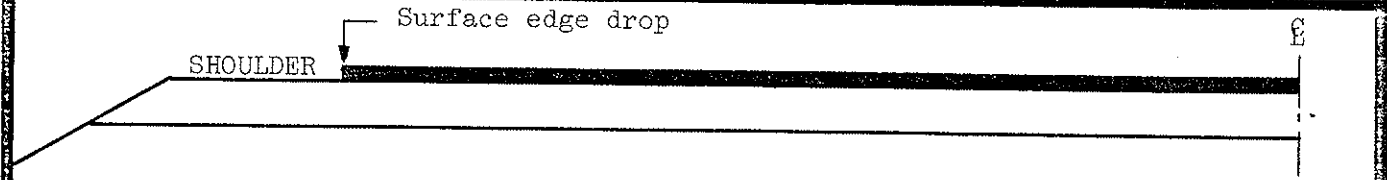


SPEED 80 km/h

WORKSHEET

**EDGE DROP, MAX RUTTING
and WIDTH OF SURFACING**

NOTES	ROAD	Oodi
	SECTION	4
	PROFILE(S)	
	DATE/SIGN	15/10/85



PROFILE (m)	Edge drop (cm)	Max Rutting (mm)	Width of Surfacing (m)
100	2	3	4.99
300	2.5	3	4.95
500	4	3	4.90
700	4	4	4.86
900	3	3	4.84
AVERAGE	3.1	3.2	4.91

WORKSHEET

**POTHOLES
COUNT MEASUREMENT**

NOTES	ROAD	Oodi
	SECTION	4
	PROFILE(S)	
	DATE/SIGN	15/10/85

KM	0	200	400	600	800	1000										
<table border="1" style="width: 100%; height: 40px; border-collapse: collapse;"> <tr> <td style="width: 12.5%;"></td> <td style="width: 12.5%;"></td> <td style="width: 12.5%;"></td> <td style="width: 12.5%;"></td> <td style="width: 12.5%;"></td> <td style="width: 12.5%;"></td> <td style="width: 12.5%;"></td> <td style="width: 12.5%;"></td> <td style="width: 12.5%;"></td> <td style="width: 12.5%;"></td> </tr> </table>																
No. POTHOLES																

<u>Patched</u>						SUM
Dim ≤ 10 cm	[]	[]	[6]	[]	[1]	[7]
Dim > 10 cm	[2]	[]	[1]	[3]	[]	[6]
<u>Unpatched</u>						
Dim ≤ 10 cm	[]	[]	[]	[2]	[1]	[3]
Dim > 10 cm	[]	[1]	[]	[]	[]	[1]

TOTAL NUMBER OF POTHOLES

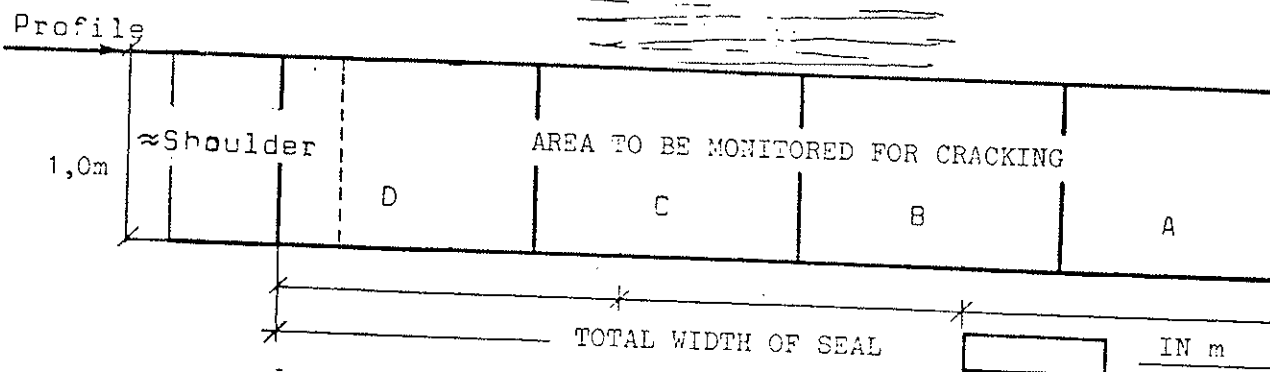
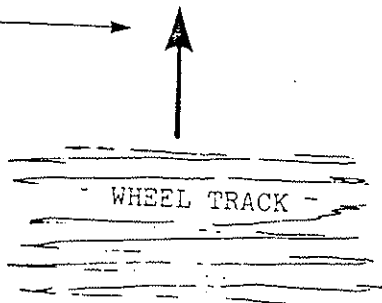
Patched 13

Unpatched 4

CRACKING MEASUREMENTS

NOTES	ROAD	oodi
	SECTION	4
	PROFILE(S)	100
	DATE/SIGN	11/85

INCREASING CHAINAGE →



AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0.7m ²					
B -u-	21				
C -u-					
D 0.35m ²	100				
Σ length cm	121				
weighted number	0,5	1	4	8	8
Σ cm weighted	60,5				

Total weighted length of cracks 60,5

Total area (A+B+C+D) in m² 2,45

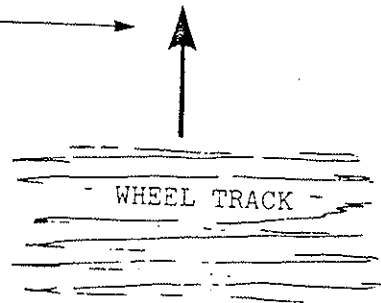
Weighted length of cracks ÷ area 25,0

CRACKING MEASUREMENTS

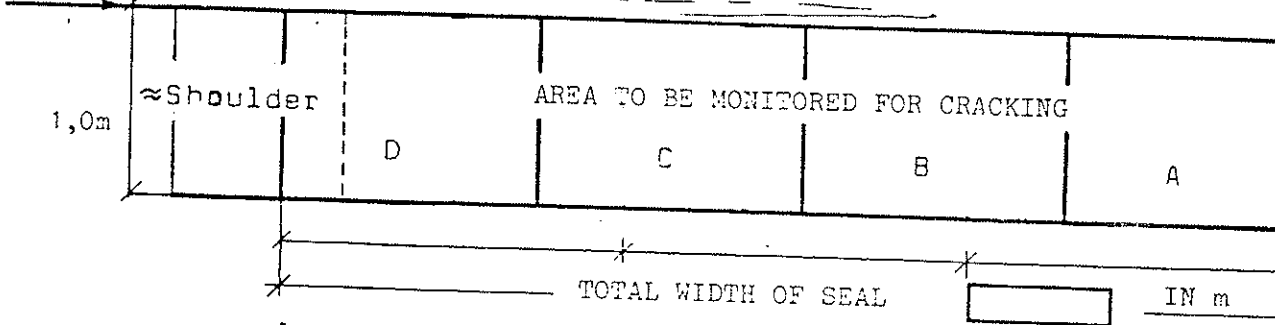
NOTES

ROAD	Oodi
SECTION	4
PROFILE(S)	500
DATE/SIGN	11/85

INCREASING CHAINAGE →



Profile



AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0.7m ²	130				
B ~u~	40				
C ~u~					
D 0.35m ²					
Z length cm	170				
weighted number	0,5	1	4	8	8
Z cm weighted	85				

Total weighted length of cracks

85

Total area (A+B+C+D) in m²

2,45

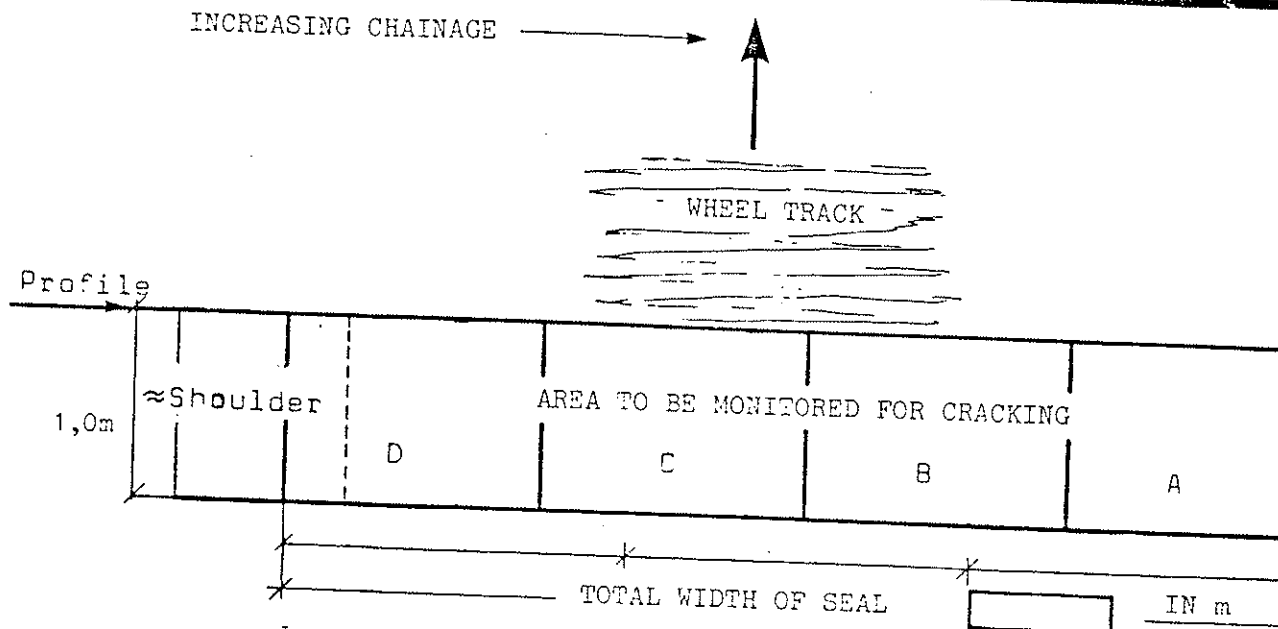
Weighted length of cracks ÷ area

34,7

CRACKING MEASUREMENTS

NOTES

ROAD	00di
SECTION	4
PROFILE(S)	900
DATE/SIGN	11/85



AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0,7 m ²	30				
B -u-	235				
C -u-	47				
D 0,30 m ²	85				
Σ length cm	397				
weighted number	0,5	1	4	8	8
Σ cm weighted	198,5				

Total weighted length of cracks 198,5

Total area (A+B+C+D) in m² 2,4

Weighted length of cracks ÷ area 82,7

VISUAL OBSERVATION SURFACING

NOTES

Single graded gravel seal, primed
5,00 wide

ROAD	Oodi
SECTION	4
PROFILE(S)	
DATE/SIGN	15/10/85 CØ/BN

**CHAINAGE
from-to**
COMMENTS

0 - 100	L.H.S./R.H.S. longitudinal cracks frequently 50 cm from the edge of surfacing. Wheel tracks both sides longitudinal cracks.
20 - 35	£ block cracks 30 x 50 cm also some crockodil cracks.
100 - 112	L.H.S. block cracks 100 x 200 cm. R.H.S. longitudinal cracks 50 cm from the edge of surfacing.
123 - 125	L.H.S. longitudinal cracks in the wheel track.
125 - 300	Both sides occasionally longitudinal cracks max. 50 cm long, in fact very few.
300 - 315	Both sides longitudinal cracks 20 - 40 cm from the edge of surfacing.
360 - 365	L.H.S. parallel 3-4 longitudinal cracks in the wheeltrack.
365 - 400	L.H.S. longitudinal cracks in the wheeltrack.
430 - 450	L.H.S. parallel 3-4 longitudinal cracks in the wheeltrack.
460 - 480	As 430 - 450.
470 - 480	L.H.S. crockodil cracks 10 x 5 cm or 5 x 5 cm in the wheeltrack.
480 - 500	L.H.S. longitudinal cracks in the wheeltrack.
490 - 500	L.H.S. longitudinal cracks 30 cm from the edge of surfacing.
505 - 520	R.H.S. longitudinal cracks in the wheeltrack.
550 - 560	R.H.S. as 505 - 520
550 - 570	L.H.S. as 505 - 520
700 - 800	£ frequently longitudinal cracks max. 100 - 120 cm in length. Actually very, very few.
750 - 780	Same as 700 - 800 but more pronounced
780 - 800	£ crockodil cracks 10 x 10 cm in a 50 cm wide area.
810 - 820	R.H.S. parallel 3-4 longitudinal cracks in the wheeltrack.

VISUAL OBSERVATION SURFACING

NOTES Single graded gravel seal, primed 5,00 wide	ROAD	Oodi
	SECTION	4
	PROFILE(S)	
	DATE/SIGN	15/10/85 CØ/BN

CHAINAGE from-to	COMMENTS
800 - 820	As 780 - 795 but more extensive.
880 - 900	Both sides as 810 - 820 but rather frequently. Also cracks in the E.
900 - 930	As 780 - 795.
920 - 940	L.H.S. longitudinal cracks in the wheeltrack.
POTHOLES	
122 L.H.S. patched	< 10 cm 1
170 " "	< 10 " 1
185 " "	< 10 " 1
304 " "	< 10 " 1
355 E unpatched	< 10 " 1
400 L.H.S. patched	> 10 " 1
470 R.H.S. "	< 10 " 1
550 R.H.S. "	> 10 " 1
594 E unpatched	< 10 " 1
600 L.H.S. patched	> 10 " 3
620 E "	> 10 " 2
745 R.H.S. "	> 10 " 2
795 L.H.S. "	< 10 " 1
845 E "	> 10 " 1
897 E "	< 10 " 1
930 - 940 B.sides unpatched	< 10 " 6
EDGE PATCHING	
Chainage 240 - 247 R.H.S.	= 7 m
" 471 - 484 L.H.S.	= 13 m
" 567 - 594 R.H.S.	= 27 m
" 610 - 630 L.H.S.	= 20 m
" 915 - 918 L.H.S.	= 3 m
	= 70 m
GENERAL	The surfacing looks hungry after binder and potholing seems to be more extensive in areas where cracking in blocks/crocodil pattern occur. However small changes since 11/84.

SECTION 5

SERVICEABILITY RATING (PSR)

NOTES	ROAD	Oodi
	SECTION	5
	PROFILE(S)	
	DATE/SIGN	14/10/85

TYPE OF CAR: Toyota 4/c st.w.

MEASURING TEAM:

PERSON	NAME	TRIP	
		1	2
A	<i>Ekker</i>	3.0	
B	<i>Snustad</i>	2.0	
C	<i>Barry</i>	3.0	
D	<i>Norheim</i>	3.0	
E	<i>C. Overby</i>	3.2	

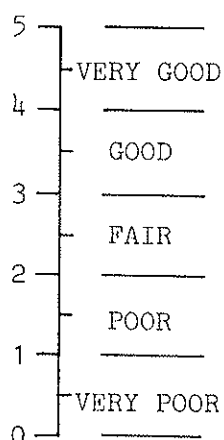
OTHER PERSONS (BUT NOT MORE THAN ONE MONTH BEFORE OR AFTER DATE ABOVE)

a			
b			
c			
d			
e			

TOTAL SUM 14.2

SUM ÷ No. PERSONS 2.8 (= PSR)

SIMPLIFIED RATING INSTRUCTIONS:

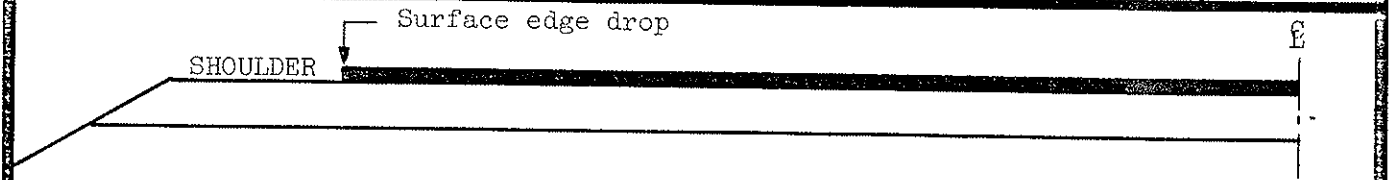


SPEED 80 km/h

WORKSHEET

**EDGE DROP, MAX RUTTING
and WIDTH OF SURFACING**

NOTES	ROAD	Oodi
	SECTION	5
	PROFILE(S)	
	DATE/SIGN	15/10/85



PROFILE (m)	Edge drop (cm)	Max Rutting (mm)	Width of Surfacing (m)
100	3	4	4,52 ¹⁾
300	2.5	3	4,56
500	2	5	4,58
700	3	5	4,44
900	2	6	4,88 ¹⁾
AVERAGE	2.5	4.6	

¹⁾ Edge patched.

POTHOLES COUNT MEASUREMENT

NOTES	ROAD	<i>Oodi</i>
	SECTION	<i>5</i>
	PROFILE(S)	
	DATE/SIGN	<i>19/10/85</i>

KM	0	200	400	600	800	1000
No. POTHOLES						
<u>Patched</u>						SUM
Dim ≤ 10 cm	<i>1</i>		<i>1</i>			<i>2</i>
Dim > 10 cm	<i>1</i>	<i>1</i>			<i>1</i>	<i>3</i>
<u>Unpatched</u>						
Dim ≤ 10 cm	<i>2</i>			<i>1</i>		<i>3</i>
Dim > 10 cm	<i>1</i>	<i>1</i>				<i>2</i>

TOTAL NUMBER OF POTHOLES

Patched *5*

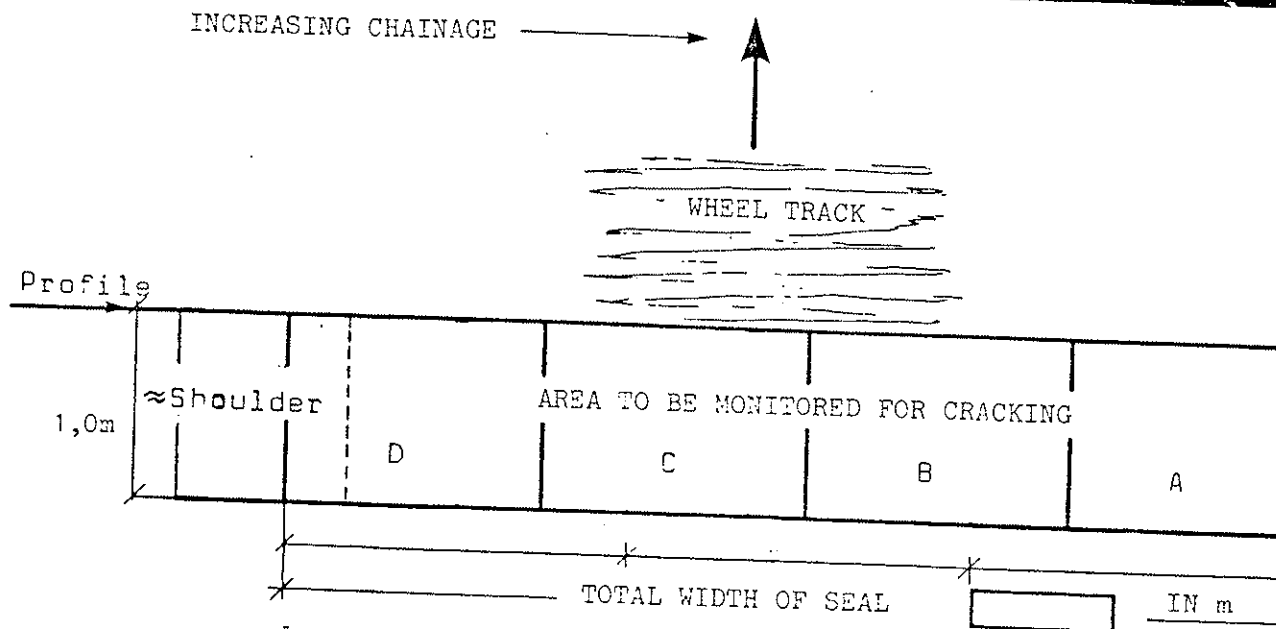
Unpatched *5*

Only two patched potholes 2nd seal.

CRACKING MEASUREMENTS

NOTES

ROAD	Oodi
SECTION	5
PROFILE(S)	100
DATE/SIGN	11/85



AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0,7 m ²					
B -u-					
C -u-	43				
D 0 m ²					
Σ length cm	43				
weighted number	0,5	1	4	8	8
Σ cm weighted	21,5				

Total weighted length of cracks 21,5

Total area (A+B+C+D) in m² 2,9

Weighted length of cracks ÷ area 10,2

CRACKING MEASUREMENTS

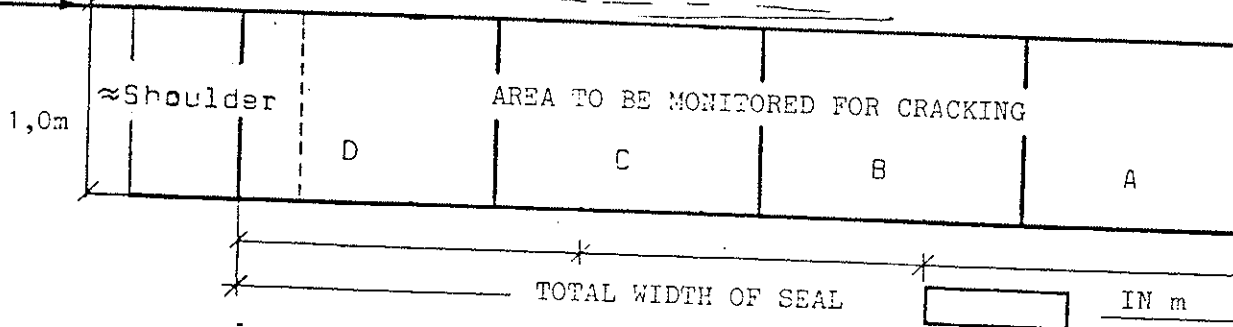
NOTES

ROAD	Oodi
SECTION	5
PROFILE(S)	500
DATE/SIGN	11/85

INCREASING CHAINAGE →

↑
WHEEL TRACK

Profile



AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0.7m ²					
B -u-	145				
C -u-					
D 0.13.					
Σ length cm	145				
weighted number	0,5	1	4	8	8
Σ cm weighted	72,5				

Total weighted length of cracks 72,5

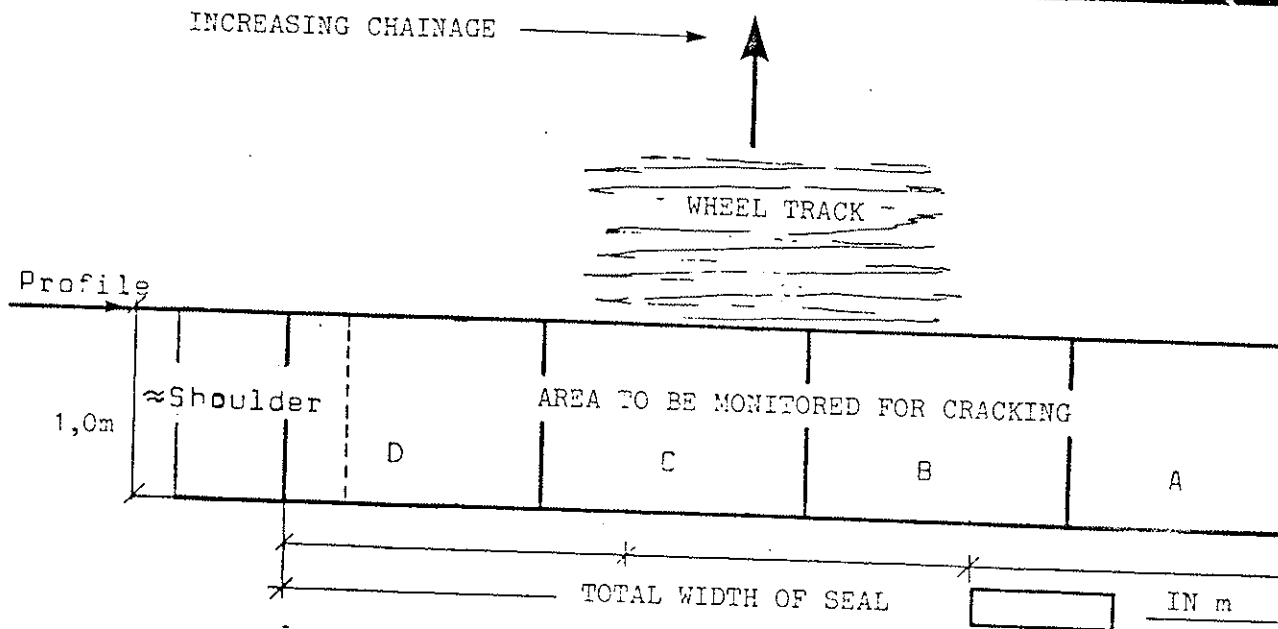
Total area (A+B+C+D) in m² 2,23

Weighted length of cracks ÷ area 32,5

CRACKING MEASUREMENTS

NOTES

ROAD	Oodi
SECTION	5
PROFILE(S)	900
DATE/SIGN	"/85



AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0,7m ²					
B -u-					
C -u-	25				
D 0,40m ²					
Σ length cm	25				
weighted number	0,5	1	4	8	8
Σ cm weighted	12,5				

Total weighted length of cracks 12,5

Total area (A+B+C+D) in m² 2,5

Weighted length of cracks ÷ area 5

VISUAL OBSERVATION SURFACING

NOTES Double graded gravel seal, without prime 1st seal 5,0 m 2nd " 3,5 m	ROAD	Oodi
	SECTION	5
	PROFILE(S)	
	DATE/SIGN	15/10/85 CØ/BN

CHAINAGE from-to	COMMENTS
0 - 25	R.H.S. longitudinal cracks 15 cm from the edge of surfacing frequently 100 cm from the edge of surfacing.
30 - 40	L.H.S. longitudinal cracks 15 cm from the edge of surfacing.
39 - 55	R.H.S. longitudinal cracks 15-30 cm from the edge of surfacing.
61 - 66	L:H.S. longitudinal cracks 100 cm from the edge of surfacing.
100 - 120	L.H.S. longitudinal cracks 50 cm from the edge of surfacing.
100 - 130	L.H.S. longitudinal cracks 20 cm from the edge of surfacing.
140 - 160	R.H.S. 1. seal completely disintergrated.
165 - 176	L.H.S. longitudinal cracks 30 cm from the edge of surfacing.
250 - 320	Longitudinal cracks in the wheelpath, however only seldom and always less than 100 - 200 cm in length.
410 - 500	As 250 - 320
500 - 575	As 250 - 320 but more continuously, specially on the L.H.S.
575 - 700	R.H.S. and L.H.S. longitudinal cracks 50-150 cm from the edge of surfacing also £.
680 - 700	R.H.S. and L.H.S. more difined than 500 - 700.
700 - 800	As 250 - 320 also in £.
830 - 850	L.H.S. longitudinal cracks in interval of 2-3 m, generally 50-100 cm from the edge of surfacing.
850 - 900	As 250 - 320 but to a small extent.

VISUAL OBSERVATION SURFACING

NOTES Double graded gravel seal, without prime 1st seal 5,0 m 2nd " 3,5 m	ROAD	Oodi
	SECTION	5
	PROFILE(S)	
	DATE/SIGN	15/10/85 CØ/BN

CHAINAGE from-to	COMMENTS			
POTHOLES	70	R.H.S.	1st seal	patched > 10 cm 1
	90	"	"	unpatched < 10 cm 2
	150	"	"	" > 10 cm 1
	180	"	"	patched > 10 cm 1
	180-200	"	"	unpatched < 10 cm 4
	330	L.H.S.	"	" < 10 cm 1
	380	R.H.S.	"	patched > 10 cm 1
	470	"	"	" < 10 cm 1
	750	L.H.S.	"	unpatched < 10 cm 1
	830	R.H.S.	"	patched > 10 cm 1
EDGE PATCHING	Chainage	94 - 101	R.H.S.	= 7 m
	"	230 - 242	"	= 12 m
	"	470 - 475	"	= 5 m
	"	881 - 912	L.H.S.	= 31 m
				<u>= 55 m</u>
GENERAL	<p>The surfacing is in a good condition. Where only one seal is applied the performance is marginal.</p> <p>No potholes in the 2nd seal is observed.</p>			

SECTION 6

WORKSHEET

SERVICEABILITY RATING (PSR)

NOTES	ROAD	Oodi
	SECTION	6
	PROFILE(S)	
	DATE/SIGN	14/10/85

TYPE OF CAR: Toyota 4/c st.w.

MEASURING TEAM:

PERSON	NAME	TRIP	
		1	2
A	<i>Ekker</i>	<i>2.9</i>	
B	<i>Snustad</i>	<i>3.0</i>	
C	<i>Barry</i>	<i>3.0</i>	
D	<i>Norheim</i>	<i>3.5</i>	
E	<i>C. Overby</i>	<i>3.0</i>	

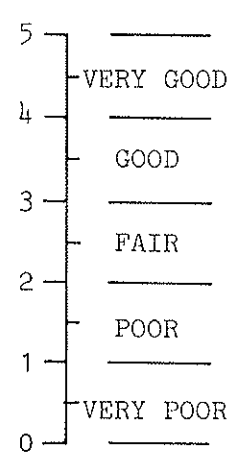
OTHER PERSONS (BUT NOT MORE THAN ONE MONTH BEFORE OR AFTER DATE ABOVE)

a			
b			
c			
d			
e			

TOTAL SUM *15.4*

SUM ÷ No. PERSONS *3.1* (= PSR)

SIMPLIFIED RATING INSTRUCTIONS:

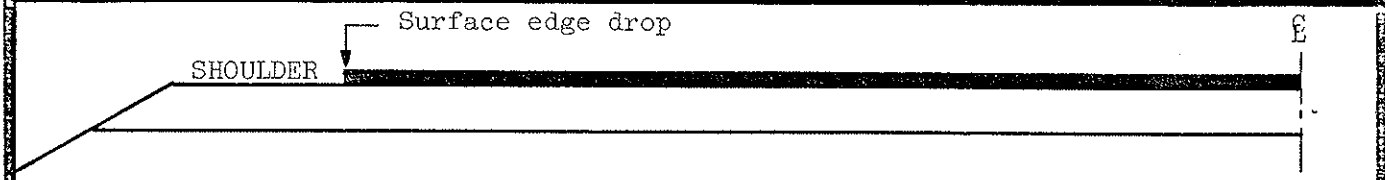


SPEED 80 km/h

WORKSHEET

**EDGE DROP, MAX RUTTING
and WIDTH OF SURFACING**

NOTES	ROAD	Oodi
	SECTION	6
	PROFILE(S)	
	DATE/SIGN	15/10/85



PROFILE (m)	Edge drop (cm)	Max Rutting (mm)	Width of Surfacing (m)
60	5	3	4.83
120	2.5	4.5	4.57
180	3	4.5	4.31
AVERAGE	3.5	4	4.37

POTHOLES COUNT MEASUREMENT

NOTES	ROAD	Oodi
	SECTION	6
	PROFILE(S)	
	DATE/SIGN	15/10/85

KM 0 200

No. POTHOLES	

						SUM
<u>Patched</u>						
Dim ≤ 10 cm	3					3
Dim > 10 cm						
<u>Unpatched</u>						
Dim ≤ 10 cm						
Dim > 10 cm	1					1

TOTAL NUMBER OF POTHOLES

Patched 3

Unpatched 1

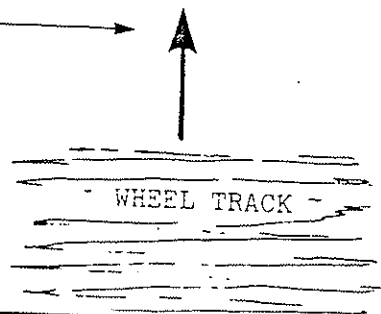
Potholes 1st seal only.

CRACKING MEASUREMENTS

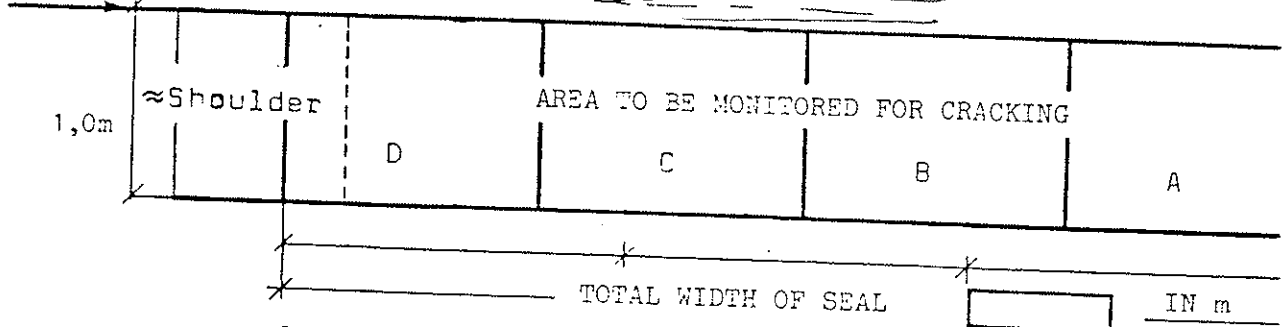
NOTES

ROAD	00di
SECTION	6
PROFILE(S)	60
DATE/SIGN	11/85

INCREASING CHAINAGE →



Profile



AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0.7m ²					
B -u-					
C -u-					
D 0.m ²					
Σ length cm					
weighted number	0,5	1	4	8	8
Σ cm weighted					

Total weighted length of cracks

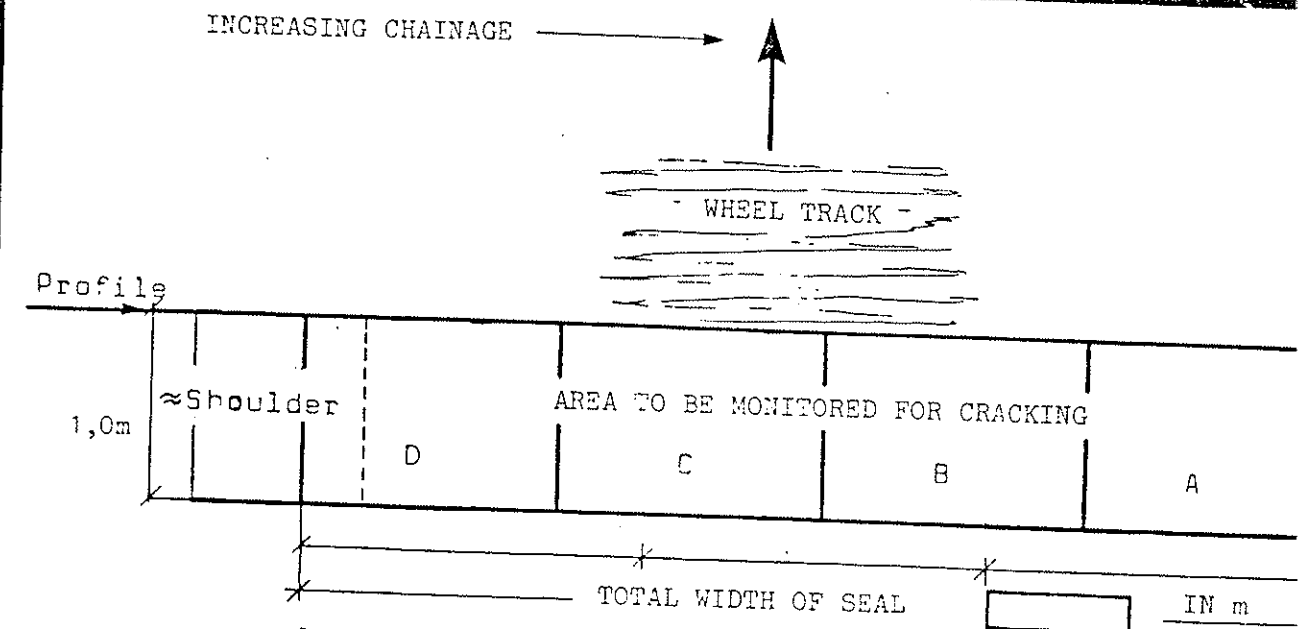
Total area (A+B+C+D) in m²

Weighted length of cracks ÷ area

CRACKING MEASUREMENTS

NOTES

ROAD	00di
SECTION	6
PROFILE(S)	120
DATE/SIGN	11/85



AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0.7m ²					
B -u-					
C -u-	50				
D 0.10m ²	44				
Z length cm	94				
weighted number	0,5	1	4	8	8
Z cm weighted	47				

Total weighted length of cracks 47

Total area (A+B+C+D) in m² 2,2

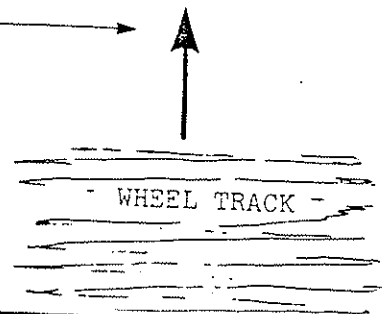
Weighted length of cracks ÷ area 21,4

CRACKING MEASUREMENTS

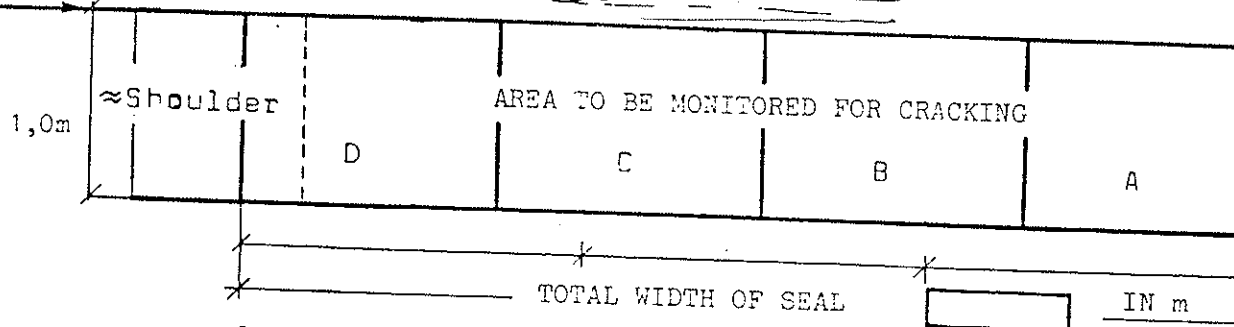
NOTES

ROAD	Oodi
SECTION	6
PROFILE(S)	180
DATE/SIGN	11/85

INCREASING CHAINAGE →



Profile



AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0.7 m ²					
B - " -	87				
C - " -					
D 0 m ²	55				
Σ length cm	142				
weighted number	0,5	1	4	8	8
Σ cm weighted	71				

Total weighted length of cracks 71

Total area (A+B+C+D) in m² 2,1

Weighted length of cracks ÷ area 33,8

VISUAL OBSERVATION SURFACING

NOTES

Double sand seal without prime
1st seal 5,00 m wide
2nd " 3,50 m "

ROAD

Qodi

SECTION

6

PROFILE(S)

DATE/SIGN

15/10/85

CØ/BN

**CHAINAGE
from-to**
COMMENTS

10 - 35	L.H.S. longitudinal cracks 50 cm from the edge of surfacing.
41 - 42	Same as 10 - 35.
45	£ transverse crack 50 cm in length.
66 - 93	L.H.S. longitudinal cracks 50 cm from the edge of surfacing.
109	£ transverse crack 90 cm in length.
130 - 140	Frequently longitudinal cracks more or less invisible.
168 - 185	L.H.S. longitudinal cracks 70 cm from the edge of surfacing.
200 - 220	L.H.S. transverse cracks from the edge of surfacing towards £ , 30 cm in length.
207 - 210	L.H.S. longitudinal cracks 50 cm from the edge of surfacing. Some of the longitudinal cracks 50 cm from the edge of surfacing are within the second seal.
POTHOLES	Chainage 30 R.H.S. 1st seal unpatched < 10 cm 1 " 164 " " " " < 10 cm 1 " 181 " " " " < 10 cm 1
EDGE PATCHING	Chainage 226 - 235 = 9 m
GENERAL	A very dense surfacing with an excellent performance. Very, very little whip off due to some oversize.

SECTION 7

SERVICEABILITY RATING (PSR)

NOTES	ROAD	<i>Oodi</i>
	SECTION	<i>7</i>
	PROFILE(S)	
	DATE/SIGN	<i>14/10/85</i>

TYPE OF CAR: *Toyota 4/c st.w.*

MEASURING TEAM:

PERSON	NAME	TRIP	
		1	2
A	<i>Ekker</i>	<i>3.2</i>	
B	<i>Snustad</i>	<i>2.5</i>	
C	<i>Barry</i>	<i>3.1</i>	
D	<i>Norheim</i>	<i>3.4</i>	
E	<i>C. Øverby</i>	<i>3.5</i>	

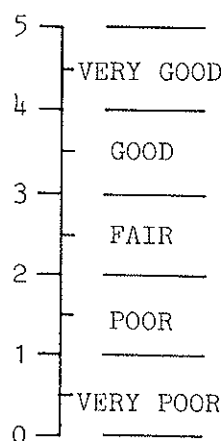
OTHER PERSONS (BUT NOT MORE THAN ONE MONTH
BEFORE OR AFTER DATE ABOVE)

a			
b			
c			
d			
e			

TOTAL SUM *15.7*

SUM ÷ No. PERSONS *3.1* (= PSR)

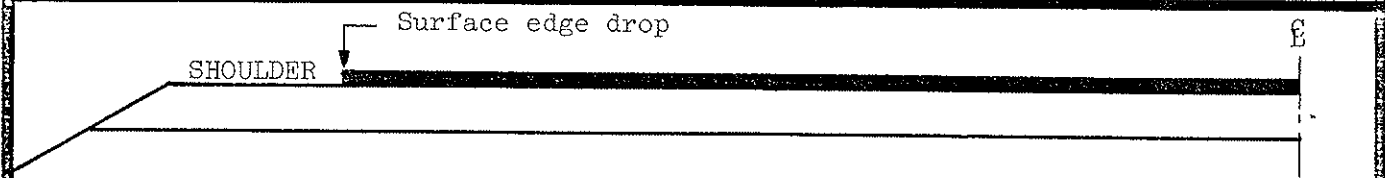
SIMPLIFIED RATING INSTRUCTIONS:



SPEED 80 km/h

**EDGE DROP, MAX RUTTING
and WIDTH OF SURFACING**

NOTES	ROAD	Oodi
	SECTION	7
	PROFILE(S)	
	DATE/SIGN	15/10/85



PROFILE (m)	Edge drop (cm)	Max Rutting (mm)	Width of Surfacing (m)
100	3	4	4,52
300	4	4	4,82
500	4	4	4,56
700	5	3	4,73
900	4	4	4,77
AVERAGE	4	3,8	4,68

POTHOLES COUNT MEASUREMENT

NOTES	ROAD	Oodi
	SECTION	7
	PROFILE(S)	
	DATE/SIGN	15/10/85

KM 0 200 400 600 800 1000

No. POTHOLES									

									SUM
<u>Patched</u>									
Dim ≤ 10 cm	2								2
Dim > 10 cm									
<u>Unpatched</u>									
Dim ≤ 10 cm	7						3		10
Dim > 10 cm									

TOTAL NUMBER OF POTHOLES

Patched 2

Unpatched 10

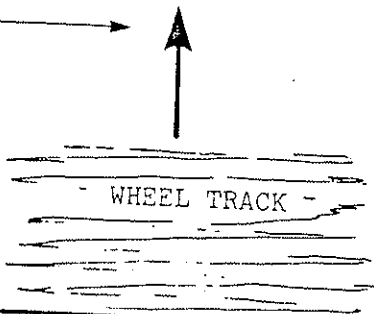
None potholes 2nd seal.

CRACKING MEASUREMENTS

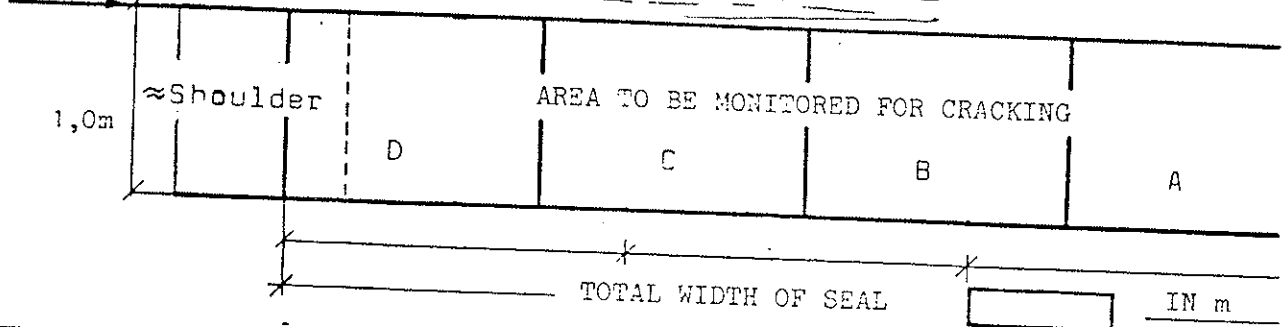
NOTES

ROAD	Oodi
SECTION	7
PROFILE(S)	100
DATE/SIGN	11/85

INCREASING CHAINAGE →



Profile



AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0.7m ²					
B ~n~					
C ~u~	100				
D 0.25m ²					
Σ length cm	100				
weighted number	0,5	1	4	8	8
Σ cm weighted	50				

Total weighted length of cracks 50

Total area (A+B+C+D) in m² 2,35

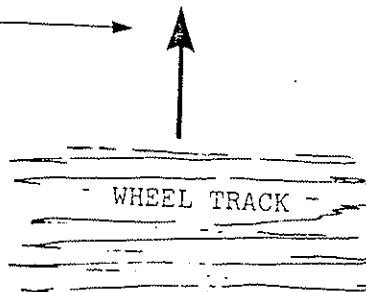
Weighted length of cracks ÷ area 21,3

CRACKING MEASUREMENTS

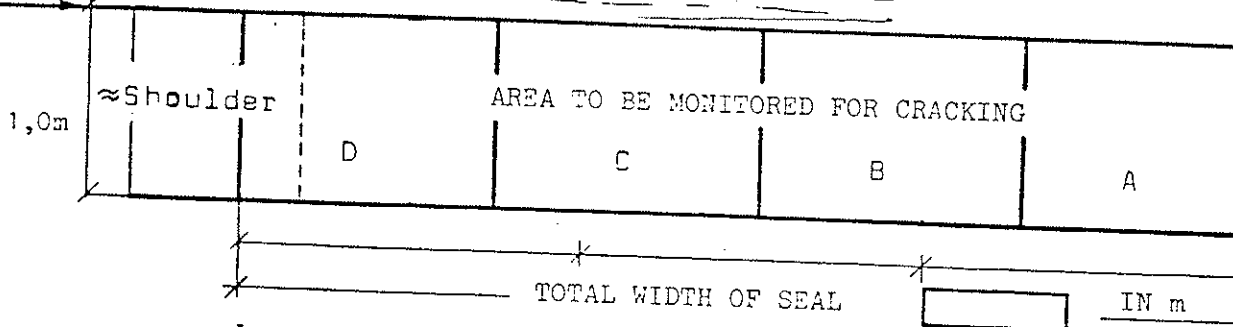
NOTES

ROAD	0odi
SECTION	7
PROFILE(S)	500
DATE/SIGN	11/85

INCREASING CHAINAGE →



Profile



AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0.7m ²					
B -u-	100				
C -u-					
D 0.30m ²					
Σ length cm	100				
weighted number	0,5	1	4	8	8
Σ cm weighted	50				

Total weighted length of cracks 50

Total area (A+B+C+D) in m² 2,4

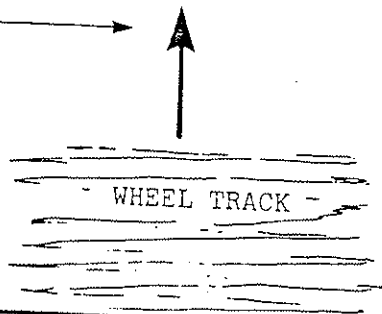
Weighted length of cracks ÷ area 20,8

CRACKING MEASUREMENTS

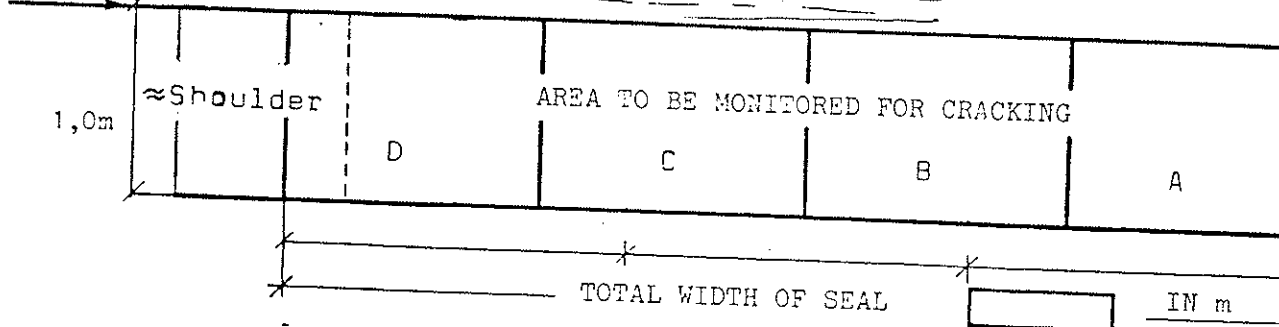
NOTES

ROAD	00di
SECTION	7
PROFILE(S)	900
DATE/SIGN	11/85

INCREASING CHAINAGE →



Profile



AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0,7m ²	70				
B -u-					
C -u-		100			
D 0,35m ²					
Σ length cm	70	100			
weighted number	0,5	1	4	8	8
Σ cm weighted	35	100			

Total weighted length of cracks 135

Total area (A+B+C+D) in m² 2,45

Weighted length of cracks ÷ area 55,1

VISUAL OBSERVATION SURFACING

NOTES

Double sand seal with prime
1st seal 5,00 m wide
2nd " 3,50 m "

ROAD	Oodi
SECTION	7
PROFILE(S)	
DATE/SIGN	15/10/85 CØ/BN

**CHAINAGE
from-to**
COMMENTS

0 - 40	L.H.S. and R.H.S. longitudinal cracks both £ and in the wheeltracks. Extensive cracking both longitudinal and transverse 1st seal.
93 - 101	Longitudinal crack £.
40 - 100	L.H.S. and R.H.S. both longitudinal and transverse cracks occur frequently. Those are about 50 - 100 cm in length and equally spread withing the entire width of the surfacing.
135 - 160	Longitudinal crack £.
100 - 260	L.H.S. and R.H.S. both longitudinal and transverse cracks. Mostly in the £ with a length of about 100 cm. The cracks are more continuously and visible than last year.
230 - 240	L.H.S. as 135 - 160
306 - 313	L.H.S. as 135 - 160 cracks about 150 cm from edge of surfacing.
308 - 324	Longitudinal cracks £.
470 - 486	L.H.S. longitudinal 150 cm from edge of surfacing.
548 - 580	Same as 470 - 486.
580 - 600	R.H.S. and £ longitudinal cracks.
890 - 910	£ longitudinal cracks.
890 - 910	£ longitudinal cracks.
950 - 980	R.H.S. and £ longitudinal cracks.
POTHOLDES	No potholes 2nd seal.
EDGE PATCHING:	Chainage 170 - 185 L.H.S. = 15 m " 220 - 239 " = 19 m = 34 m

VISUAL OBSERVATION SURFACING

NOTES

Double sand seal with prime
1st seal 5,00 wide
2nd " 3,50 "

ROAD

Oodi

SECTION

7

PROFILE(S)

DATE/SIGN

15/10/85

CØ/BN

CHAINAGE
from-to
COMMENTS

GENERAL

The surfacing looks very good and the binder is "alive"
(after samtling) 1st. seal has increased in disintergration.

The length of the length of the cracks which is not
continously is about 2-3 m long.

SECTION 8

SERVICEABILITY RATING (PSR)

NOTES	ROAD	<i>Oodi</i>
	SECTION	<i>8</i>
	PROFILE(S)	
	DATE/SIGN	<i>14/10/85</i>

TYPE OF CAR: *Toyota 4/c st.v.*

MEASURING TEAM:

PERSON	NAME	TRIP	
		1	2
A	<i>Ekker</i>	<i>3.0</i>	
B	<i>Snustad</i>	<i>2.5</i>	
C	<i>Barry</i>	<i>3.0</i>	
D	<i>Norheim</i>	<i>4.0</i>	
E	<i>C. Øverby</i>	<i>3.5</i>	

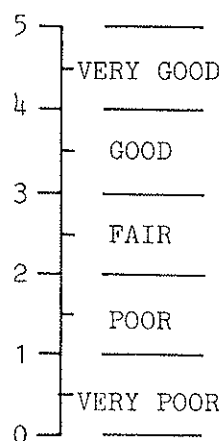
OTHER PERSONS (BUT NOT MORE THAN ONE MONTH
BEFORE OR AFTER DATE ABOVE)

a			
b			
c			
d			
e			

TOTAL SUM *16.0*

SUM ÷ No. PERSONS *3.2* (= PSR)

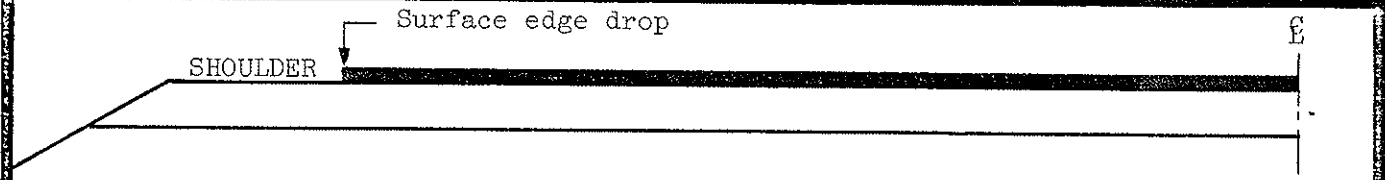
SIMPLIFIED RATING INSTRUCTIONS:



SPEED 80 km/h

EDGE DROP, MAX RUTTING and WIDTH OF SURFACING

NOTES	ROAD	Oodi
	SECTION	8
	PROFILE(S)	
	DATE/SIGN	16/10/85



PROFILE (m)	Edge drop (cm)	Max Rutting (mm)	Width of Surfacing (m)
100	4,5	< 3	4,75
300	5	< 3	4,66
500	3	4	4,72
700	3,5	3	4,51
900	5,0	11	4,65
AVERAGE	4,2	4,8	4,66

POTHOLES COUNT MEASUREMENT

NOTES	ROAD	<i>Oodi</i>
	SECTION	<i>8</i>
	PROFILE(S)	
	DATE/SIGN	<i>16/10/85</i>

KM	0	200	400	600	800	1000
No. POTHOLES						
<u>Patched</u>						SUM
Dim ≤ 10 cm						
Dim > 10 cm						
<u>Unpatched</u>						
Dim ≤ 10 cm						<i>18</i>
Dim > 10 cm						<i>1</i>

TOTAL NUMBER OF POTHOLES

Patched

Unpatched *19*

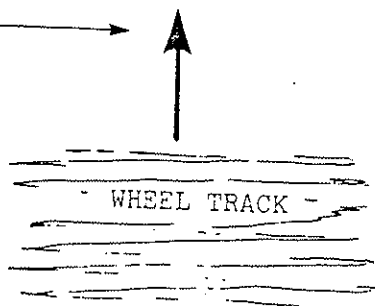
All potholes 1st seal. None on the 2nd seal.

CRACKING MEASUREMENTS

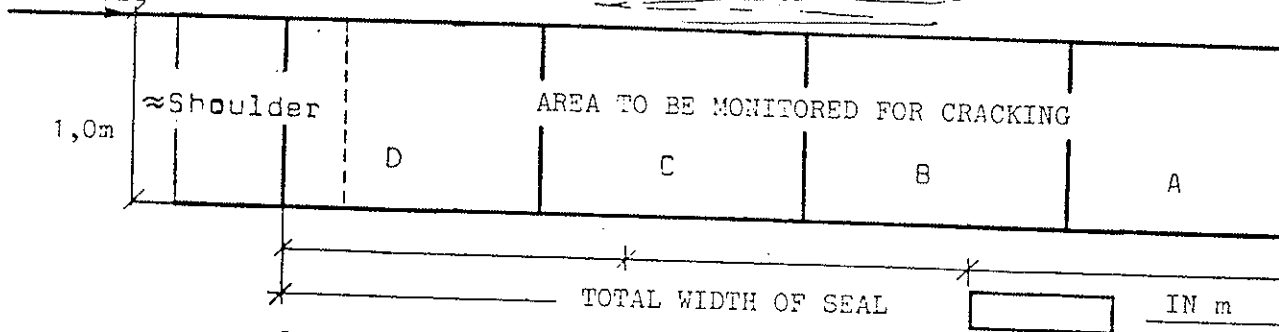
NOTES

ROAD	Oodi
SECTION	8
PROFILE(S)	100
DATE/SIGN	11/85

INCREASING CHAINAGE →



Profile



AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0.7m ²					
B -u-	87				
C -u-	140				
D 0.25m ²	100				
Σ length cm	327				
weighted number	0,5	1	4	8	8
Σ cm weighted	163,5				

Total weighted length of cracks

163,5

Total area (A+B+C+D) in m²

235

Weighted length of cracks ÷ area

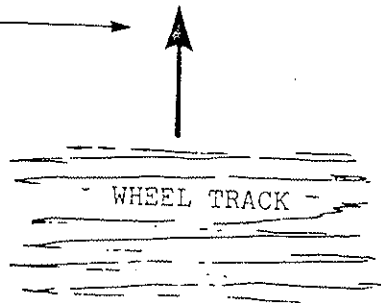
69,6

CRACKING MEASUREMENTS

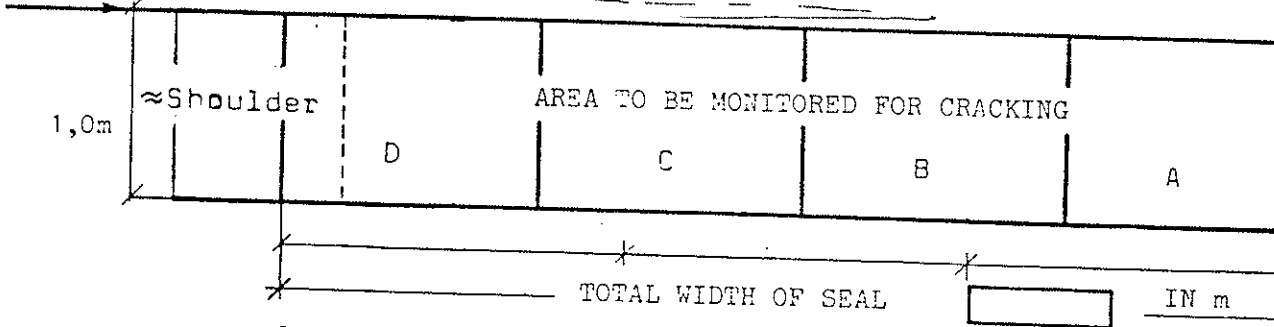
NOTES

ROAD	00th
SECTION	8
PROFILE(S)	500
DATE/SIGN	11/85

INCREASING CHAINAGE →



Profile



AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0,7m ²					
B - u -					
C - u -					
D 0,20m ²					
Σ length cm					
Weighted number	0,5	1	4	8	8
Σ cm weighted					

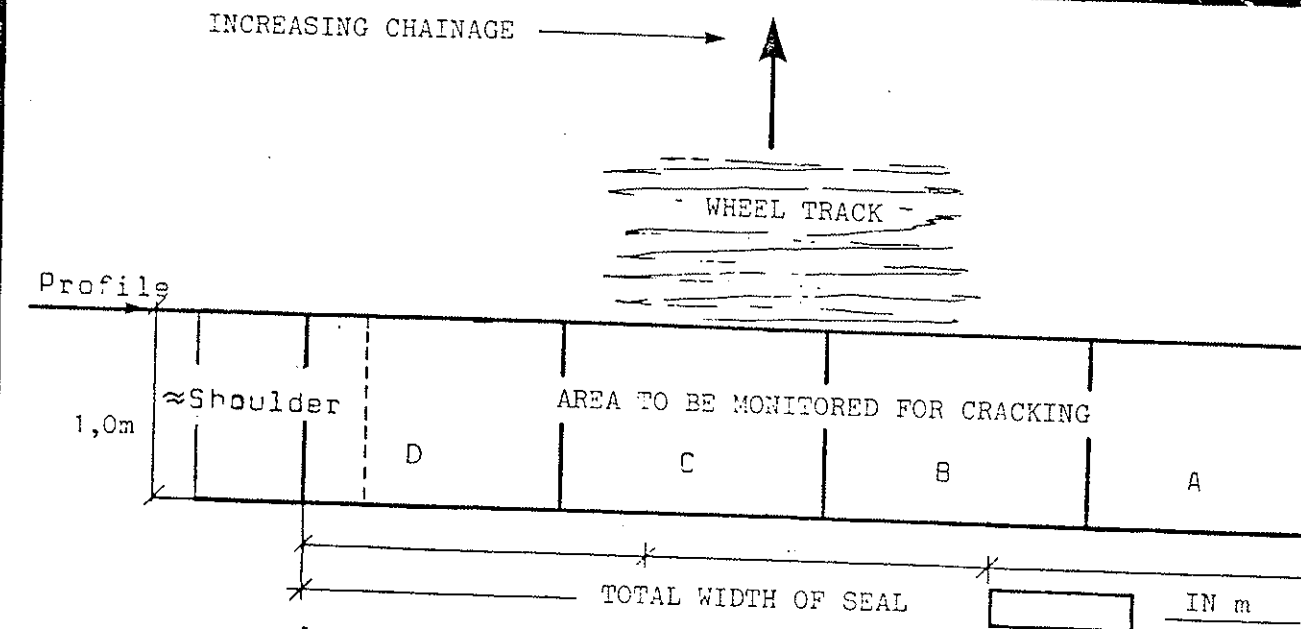
Total weighted length of cracks

Total area (A+B+C+D) in m²

Weighted length of cracks ÷ area

CRACKING MEASUREMENTS

NOTES	ROAD	Oodi
	SECTION	8
	PROFILE(S)	900
	DATE/SIGN	11/85



AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0.7m ²					
B -u-					
C -u-					
D 0.30m ²	200				
Σ length cm	200				
weighted number	0,5	1	4	8	8
Σ cm weighted	100				

Total weighted length of cracks 100

Total area (A+B+C+D) in m² 2,4

Weighted length of cracks ÷ area 41,7

VISUAL OBSERVATION SURFACING

NOTES Double sand seal with prime 1st seal 5,00 m wide 2nd " 3,50 m "	ROAD	Oodi
	SECTION	8
	PROFILE(S)	
	DATE/SIGN	15/10/85 CØ/BN

CHAINAGE from-to	COMMENTS
0 - 100	Both sides, very few cracks 2nd seal both longitudinal and transverse.
0 - 100	Both sides 1st seal extensive cracking. In places the cracks are as wide as 2-3 m.
100 - 300	As 0 - 100.
380 - 400	Both sides 1st seal disintergration has started.
400 - 500	None cracks on this section.
505	Transverse crack across the surfacing.
500 - 540	As 0 - 100.
540 - 580	As 400 - 500
580 - 640	Both sides longitudinal cracks in the wheeltracks nearly continuously.
640 - 790	As 580 - 640 but to a small extent.
790 - 890	Expansive clay area, longitudinal and transverse cracks occur over the entire width of the surfacing.
780 - 840	Both sides 1st seal disintergrates.
POTHOLES	No potholes 2nd seal
GENERAL	As last year but the 1st seal starts to disintergrate and in some places completely disintergration. (Especially between 700 - 1000.)
EDGE PATCHING	Chainage R.H.S. 625 - 637 = 12 m " L.H.S. 908 - 912 = 4 m = 16 m

SECTION 9

WORKSHEET

SERVICEABILITY RATING (PSR)

NOTES

ROAD	Oodi
SECTION	9
PROFILE(S)	
DATE/SIGN	14/10/85

TYPE OF CAR: Toyota 4/c st.w.

MEASURING TEAM:

PERSON	NAME	TRIP	
		1	2
A	Ekker	2.5	
B	Snustad	2.0	
C	Barry	2.6	
D	Norheim	2.5	
E	C. Øverby	2.4	

OTHER PERSONS (BUT NOT MORE THAN ONE MONTH BEFORE OR AFTER DATE ABOVE)

a			
b			
c			
d			
e			

TOTAL SUM 12.0SUM ÷ No. PERSONS 2.4 (= PSR)

SIMPLIFIED RATING INSTRUCTIONS:

5	_____
4	_____
3	_____
2	_____
1	_____
0	_____

SPEED 80 km/h

VERY GOOD

GOOD

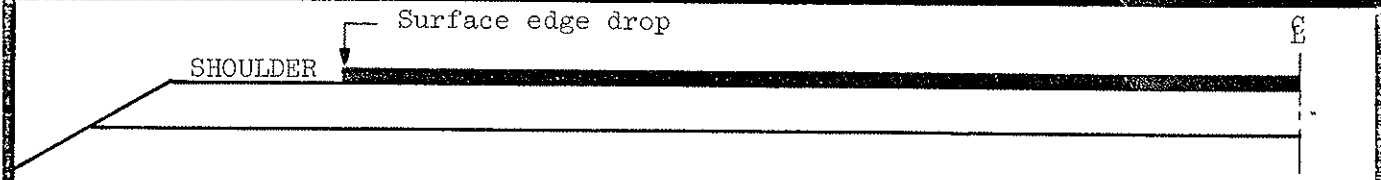
FAIR

POOR

VERY POOR

**EDGE DROP, MAX RUTTING
and WIDTH OF SURFACING**

NOTES	ROAD	Oodi
	SECTION	9
	PROFILE(S)	
	DATE/SIGN	16/10/85



PROFILE (m)	Edge drop (cm)	Max Rutting (mm)	Width of Surfacing (m)
125 R.H.S	2.5	10	4.64
250 L.H.S	4	4	4.68
375 L.H.S	2.5	3	4.85
AVERAGE	3	5.7	4.72

POTHOLES COUNT MEASUREMENT

NOTES	ROAD	Oodi
	SECTION	9
	PROFILE(S)	
	DATE/SIGN	16/10/85

KM	0	200	400	600	800	1000
	.					
No. POTHOLES						
<u>Patched</u>						SUM
Dim ≤ 10 cm	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Dim > 10 cm	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<u>Unpatched</u>						
Dim ≤ 10 cm	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Dim > 10 cm	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

TOTAL NUMBER OF POTHOLES

Patched

Unpatched

*Small potholes (unpatched) all over and is even worse than 20/3/85. Surfacing is disintegrated.
NEEDS RESEALING URGENTLY.*

WORKSHEET

VISUAL OBSERVATION SURFACING

NOTES

Single sand seal with prime
5,00 m wide

ROAD	Oodi
SECTION	9
PROFILE(S)	
DATE/SIGN	15/10/85 CØ/BN

CHAINAGE
 from-to
COMMENTS

The section is potholing and disintergration has started. The section should be resealed immediately to prevent a complete disintergration of the surfacing.

EDGE PATCHING Chainage 455 - 460 R.H.S. = 5 m

SECTION 10

SERVICEABILITY RATING (PSR)

NOTES

ROAD	<i>Oodi</i>
SECTION	<i>10</i>
PROFILE(S)	
DATE/SIGN	<i>14/10/85</i>

TYPE OF CAR: *Toyota 1/2 st.w.*

MEASURING TEAM:

PERSON	NAME	TRIP	
		1	2
A	<i>Ekker</i>	<i>2.5</i>	
B	<i>Snustad</i>	<i>2.0</i>	
C	<i>Barry</i>	<i>2.8</i>	
D	<i>Norheim</i>	<i>3.5</i>	
E	<i>C. Overby</i>	<i>2.4</i>	

OTHER PERSONS (BUT NOT MORE THAN ONE MONTH BEFORE OR AFTER DATE ABOVE)

a			
b			
c			
d			
e			

TOTAL SUM *13.2*SUM \div No. PERSONS *2.6* (= PSR)

SIMPLIFIED RATING INSTRUCTIONS:

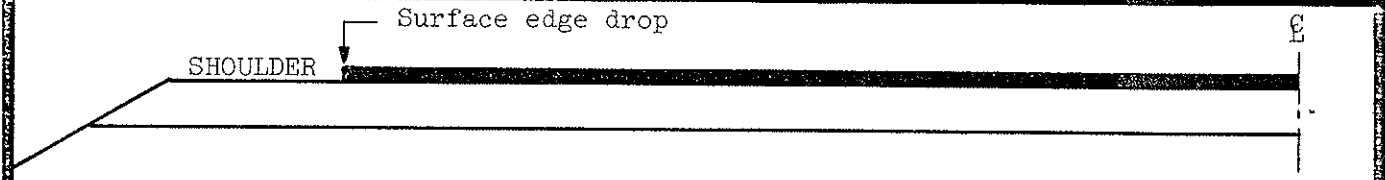
5	_____
4	_____
3	_____
2	_____
1	_____
0	_____

SPEED 80 km/h

WORKSHEET

**EDGE DROP, MAX RUTTING
and WIDTH OF SURFACING**

NOTES	ROAD	<i>Oodi</i>
	SECTION	<i>10</i>
	PROFILE(S)	
	DATE/SIGN	<i>16/10/85</i>



PROFILE (m)	Edge drop (cm)	Max Rutting (mm)	Width of Surfacing (m)
<i>175</i>	<i>6</i>	<i>23</i>	<i>4.44</i>
<i>250</i>	<i>5</i>	<i>5</i>	<i>4.73</i>
<i>375</i>	<i>edge patched</i>	<i>23</i>	<i>4.82</i>
AVERAGE	<i>5.5</i>	<i>3.7</i>	<i>4.46</i>

POTHOLES COUNT MEASUREMENT

NOTES	ROAD	Oodli
	SECTION	10
	PROFILE(S)	
	DATE/SIGN	16/10/85

KM	0	200	400	600	800	1000
	.					
No. POTHOLES						
<u>Patched</u>						SUM
Dim ≤ 10 cm	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Dim > 10 cm	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<u>Unpatched</u>						
Dim ≤ 10 cm	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Dim > 10 cm	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

TOTAL NUMBER OF POTHOLES

Patched

Unpatched

*The surfacing is disintegrating and needs
RE-SEALING URGENTLY.*

VISUAL OBSERVATION SURFACING

NOTES Single sand seal (tar) with prime 5,00 m wide	ROAD	Oodi
	SECTION	10
	PROFILE(S)	
	DATE/SIGN	15/10/85 CØ/BN

CHAINAGE from-to	COMMENTS
	As last time of inspection but an increase in potholing. The pattern of cracks more or less the same.
EDGE PATCHING	Total = 7 m.
GENERAL	The section should be re-sealed immediately of complete disintergration is to be avoided.

SECTION 11

SERVICEABILITY RATING (PSR)

NOTES	ROAD	Oodi
	SECTION	11
	PROFILE(S)	
	DATE/SIGN	14/10/85

TYPE OF CAR: Toyota 4/c st.w.

MEASURING TEAM:

PERSON	NAME	TRIP	
		1	2
A	<i>Ekker</i>	2.7	
B	<i>Snustad</i>	2.5	
C	<i>Barry</i>	2.9	
D	<i>Norheim</i>	4.0	
E	<i>C. Øverby</i>	3.0	

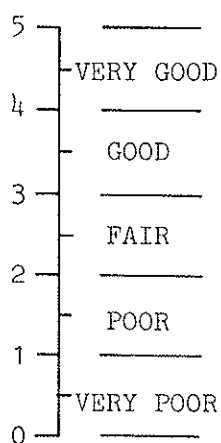
OTHER PERSONS (BUT NOT MORE THAN ONE MONTH BEFORE OR AFTER DATE ABOVE)

a			
b			
c			
d			
e			

TOTAL SUM 15.1

SUM ÷ No. PERSONS 3.0 (= PSR)

SIMPLIFIED RATING INSTRUCTIONS:

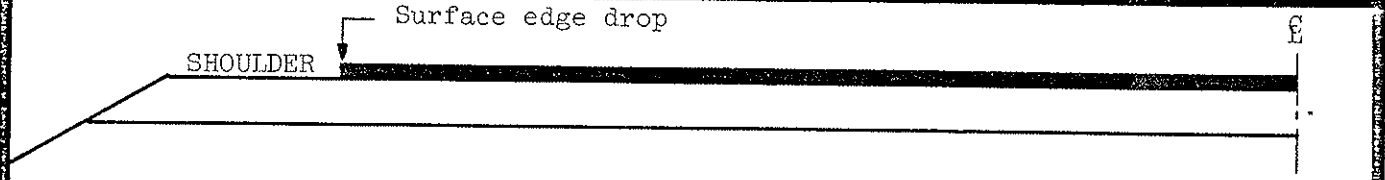


SPEED 80 km/h

WORKSHEET

**EDGE DROP, MAX RUTTING
and WIDTH OF SURFACING**

NOTES	ROAD	Oodi
	SECTION	11
	PROFILE(S)	
	DATE/SIGN	16/10/85



PROFILE (m)	Edge drop (cm)	Max Rutting (mm)	Width of Surfacing (m)
100	3	23	4.85 ¹
300	patched	5.5	Patched
500	5	23	4.76
700	5.5	23	4.60
900	4	3	4.48
AVERAGE	4.4	3.5	4.61

¹ patched

POTHOLES COUNT MEASUREMENT

NOTES	ROAD	<i>Oodi</i>
	SECTION	<i>11</i>
	PROFILE(S)	
	DATE/SIGN	<i>16/10/85</i>

KM	0	200	400	600	800	1000
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
No. POTHOLES						
<u>Patched</u>						SUM
Dim ≤ 10 cm	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Dim > 10 cm	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<u>Unpatched</u>						
Dim ≤ 10 cm	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Dim > 10 cm	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

TOTAL NUMBER OF POTHOLES

Patched

Unpatched

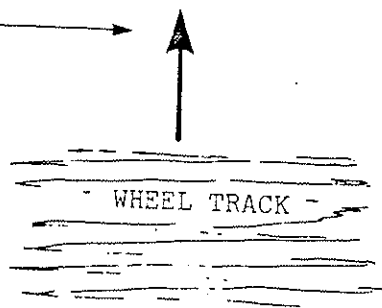
None potholes 2nd seal. 1st seal disintegrating.

CRACKING MEASUREMENTS

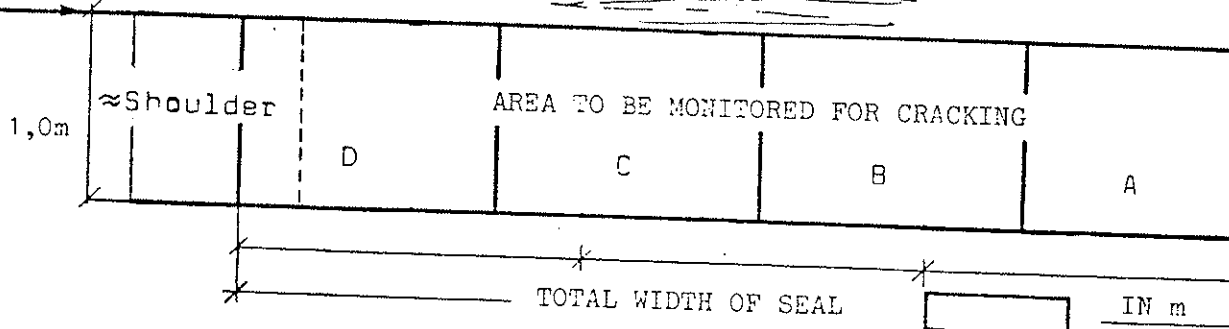
NOTES

ROAD	Oodi
SECTION	11
PROFILE(S)	100
DATE/SIGN	11/85

INCREASING CHAINAGE →



Profile



AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0,7m ²	135				
B ~u~	24				
C ~u~	830				
D 0,27m ²	132				
Σ length cm	1121				
weighted number	0,5	1	4	8	8
Σ cm weighted	560,5				

Total weighted length of cracks 560,5

Total area (A+B+C+D) in m² 2,37

Weighted length of cracks ÷ area 236,5

CRACKING MEASUREMENTS

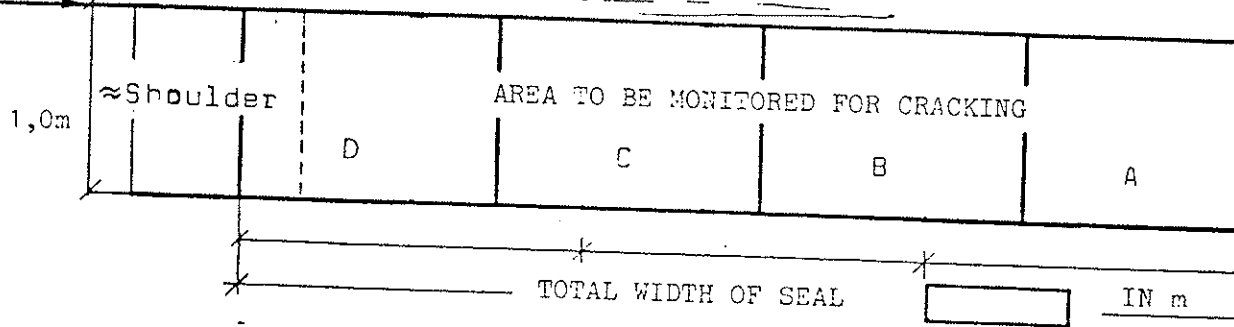
NOTES

ROAD	00du
SECTION	11
PROFILE(S)	500
DATE/SIGN	11/85

INCREASING CHAINAGE →

↑
WHEEL TRACK

Profile



AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0.7 m ²	486				
B -u-	1500				
C -u-	780				
D 0.30 m ²	100				
Σ length cm	2867				
weighted number	0,5	1	4	8	8
Σ cm weighted	1433,5				

Total weighted length of cracks 1433,5

Total area (A+B+C+D) in m² 2,4

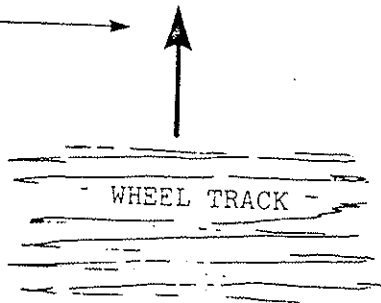
Weighted length of cracks ÷ area 697,3

CRACKING MEASUREMENTS

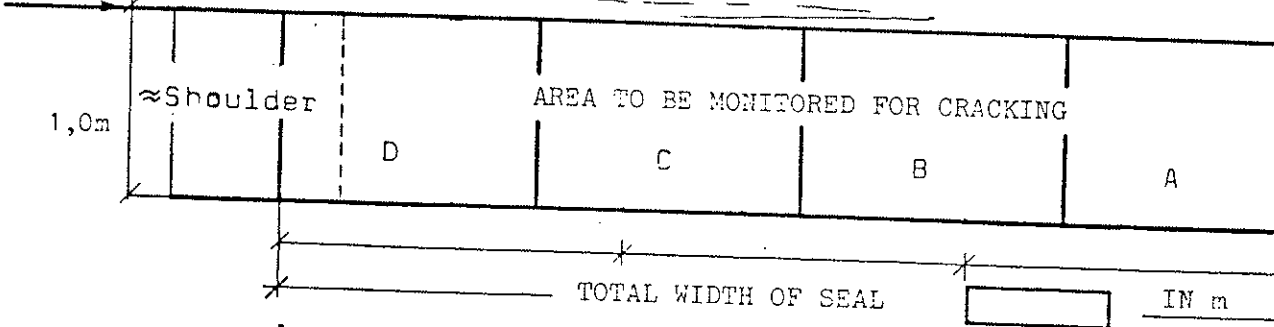
NOTES

ROAD	Oodi
SECTION	11
PROFILE(S)	900
DATE/SIGN	4/85

INCREASING CHAINAGE →



Profile



AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0.7m ²	620				
B -"-	425				
C -"-	600				
D 0.25	25				
Σ length cm	1670				
weighted number	0,5	1	4	8	8
Σ cm weighted	835				

Total weighted length of cracks 835

Total area (A+B+C+D) in m² 2,35

Weighted length of cracks ÷ area 356,3

WORKSHEET

VISUAL OBSERVATION SURFACING

NOTES

Double sand seal (tar) with prime
 1st seal 5,00 m wide
 2nd " 3,50 m "

ROAD	Oodi
SECTION	11
PROFILE(S)	
DATE/SIGN	15/10/86 CØ/BN

CHAINAGE
 from-to
COMMENTS

Same comments as last year 14/11/84.

The 2nd seal looks the same but the first seal is completely ruined over large sections.

SECTION 12

SERVICEABILITY RATING (PSR)

NOTES	ROAD	<i>Oodi</i>
	SECTION	<i>12</i>
	PROFILE(S)	
	DATE/SIGN	<i>14/10/85</i>

TYPE OF CAR: *Toyota 4/c st.w.*

MEASURING TEAM:

PERSON	NAME	TRIP	
		1	2
A	<i>Ekker</i>	<i>2.5</i>	
B	<i>Snustad</i>	<i>3.0</i>	
C	<i>Barry</i>	<i>2.7</i>	
D	<i>Norheim</i>	<i>4.5</i>	
E	<i>C. Verby</i>	<i>3.0</i>	

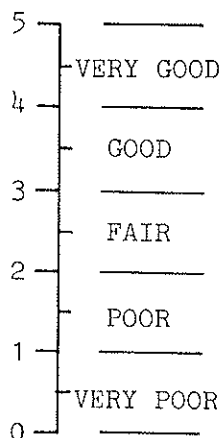
OTHER PERSONS (BUT NOT MORE THAN ONE MONTH BEFORE OR AFTER DATE ABOVE)

a			
b			
c			
d			
e			

TOTAL SUM *15.7*

SUM ÷ No. PERSONS *3.1* (= PSR)

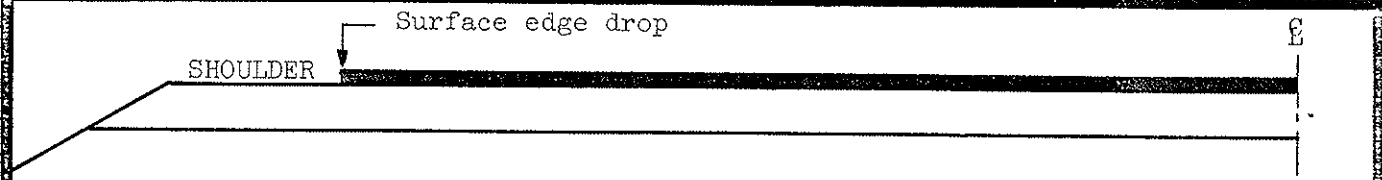
SIMPLIFIED RATING INSTRUCTIONS:



SPEED 80 km/h

**EDGE DROP, MAX RUTTING
and WIDTH OF SURFACING**

NOTES	ROAD	Oodi
	SECTION	12
	PROFILE(S)	
	DATE/SIGN	16/10/85



PROFILE (m)	Edge drop (cm)	Max Rutting (mm)	Width of Surfacing (m)
100	3	4.3	4.46
300	4	4.3	4.68
500	2	7.5	4.54
700	3	4.3	4.78
900	5	4.3	4.30
AVERAGE	3.4	3.9	4.55

POTHOLES COUNT MEASUREMENT

NOTES	ROAD	<i>Oodi</i>
	SECTION	<i>12</i>
	PROFILE(S)	
	DATE/SIGN	<i>16/10/85</i>

KM	0	200	400	600	800	1000
	<input type="checkbox"/>					
No. POTHOLES						
<u>Patched</u>						SUM
Dim ≤ 10 cm	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Dim > 10 cm	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<u>Unpatched</u>						
Dim ≤ 10 cm	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Dim > 10 cm	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

TOTAL NUMBER OF POTHOLES

Patched

Unpatched

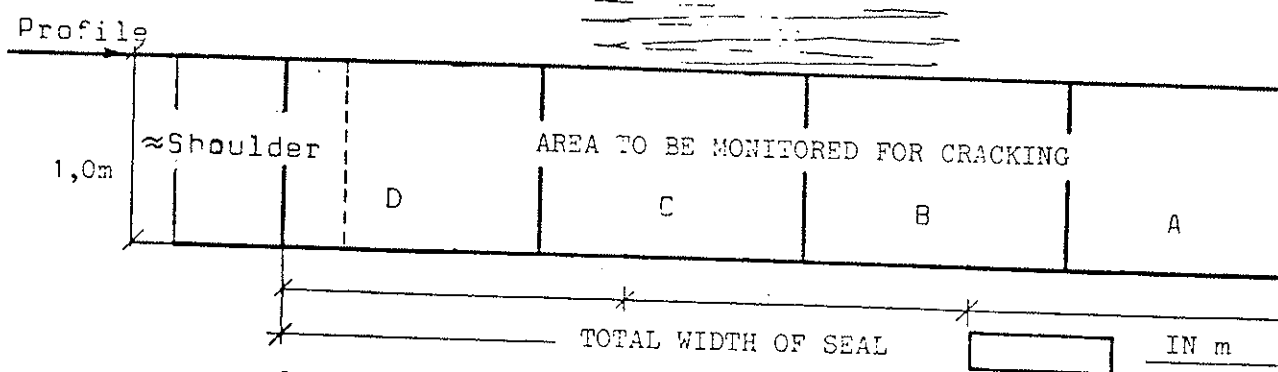
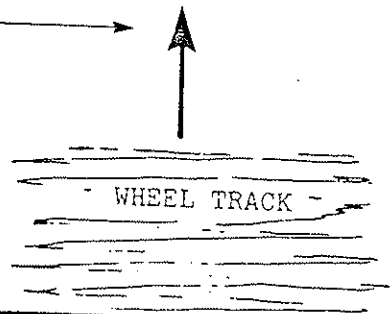
None potholes 2nd seal. 1st seal have disintegrated completely.

CRACKING MEASUREMENTS

NOTES

ROAD	Godi
SECTION	12
PROFILE(S)	100
DATE/SIGN	11/85

INCREASING CHAINAGE →



AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0.7m ²	460	110			
B -u-	282	80			
C -u-	550	85			
D 0.25m ²	80				
Σ length cm	1372	275			
weighted number	0,5	1	4	8	8
Σ cm weighted	686	275			

Total weighted length of cracks 961

Total area (A+B+C+D) in m² 2,35

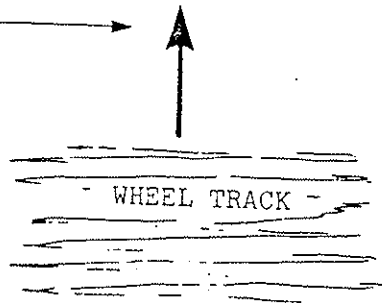
Weighted length of cracks ÷ area 408,9

CRACKING MEASUREMENTS

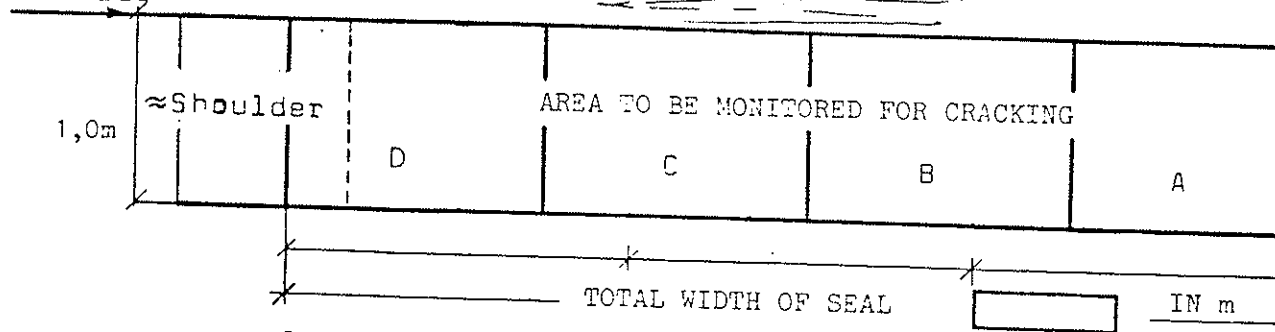
NOTES

ROAD	Oode
SECTION	12
PROFILE(S)	500
DATE/SIGN	4/85

INCREASING CHAINAGE →



Profile



AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0.7m ²	115				
B -4-	500	300			
C -4-	200	460			
D 0.20m ²	23				
Σ length cm	838	760			
weighted number	0,5	1	4	8	8
Σ cm weighted	419	760			

Total weighted length of cracks

1179

Total area (A+B+C+D) in m²

2,3

Weighted length of cracks ÷ area

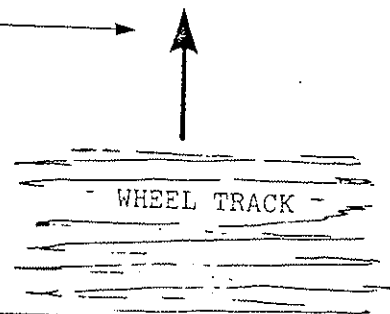
512,6

CRACKING MEASUREMENTS

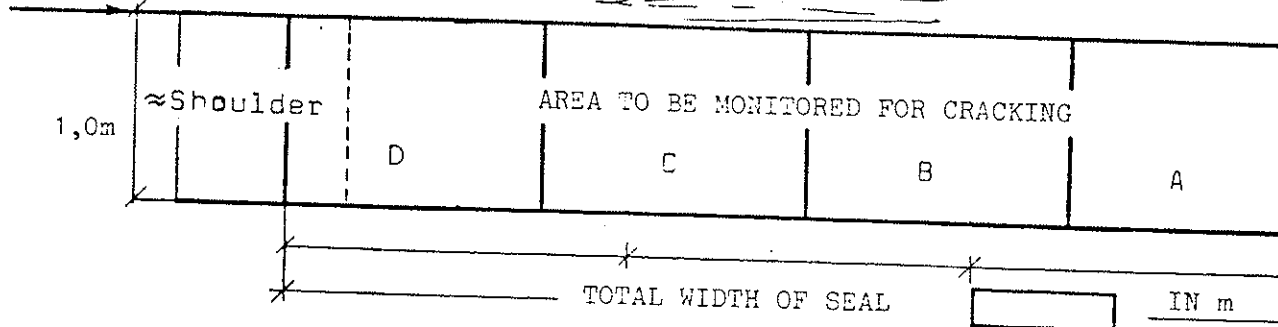
NOTES

ROAD	0odi
SECTION	12
PROFILE(S)	900
DATE/SIGN	11/85

INCREASING CHAINAGE →



Profile



AREA in m ²	SIZE OF CRACKS (width in mm)				
	Hair < 0,5 mm	Small 0,5 - 2,0 mm	Medium 2,0 - 4,0 mm	Major 4,0 - 8,0 mm	Major > 8,0 mm
A 0.7m ²	540				
B -u-	265				
C -u-	190	360			
D 0.10m ²	130				
Σ length cm	1125	360			
weighted number	0,5	1	4	8	8
Σ cm weighted	662,5	360			

Total weighted length of cracks 922,5

Total area (A+B+C+D) in m² 2,2

Weighted length of cracks ÷ area 419,3

VISUAL OBSERVATION SURFACING

NOTES

Double sand seal (tar) with prime
 1st seal 5,00 m wide
 2nd " 3,50 m "

ROAD	Oodi
SECTION	12
PROFILE(S)	
DATE/SIGN	20/10/85 CØ/BN

CHAINAGE

from-to

COMMENTS

As last year 14/11/84. Very little changes in the performance of the 2nd seal. The first seal is over large areas completely ruined.