Table 4.1: computation of pavement condition index value of road 1

Sample Section (m)	Patholes D.V	patches D.V	Cracks	Rutting D.V	T.D.V	C.D.V P	C.C.I=100-C.D.V	Average P.C.I	Type of Maintenance
0-10	33	patches D.V	_	88	121	68	32		
20-Oct	_	2	_	63	65	36	64		
20-30	_	_	_	35	35	17	83		
30-40	_	_	0	63	63	36	64		
40-50	_	_	_	_	_	_	100	80	Resurfacing
50-60	50	2	_	60	112	62	38		
60-70	_	_	_	35	35	17	83		
70-80	_	_	_	59	59	34	66		

⁻Total Deduct Value, C.D.V-Corrected Deduct Value (Using ASTM:D6433-11)

Sample Section (m)	Patholes D.V	patches D.V	Cracks	Rutting D.V	T.D.V	C.D.V	P.C.I=100- C.D.V	Average P.C.I	Type of Maintenance
0-10	-	patches D.V	-	61	61	30	70	1.0.1	Wantenanee
20-Oct	-	_	-	41	41	20	80		
20-30	70	9	_	-	79	45	55		
30-40	=	=	25	-	25	8	92	70	Resurfacing
40-50	-	-	-	63	63	34	66		
50-60	48	10	=	61	119	66	34		
60-70	=	-	=	86	86	48	52		
70-80	-	10	-	-	10	2	98		
Vote: D.V- Deduct Va STM:D6433-11)	lue, T.D.V-Total	Deduct Value, (C.D.V-Cor	rected Ded	uct Value	(Using			
80-90	12	-	0	=	12	3	97		
90-100	-	_	34	-	34	16	84		
100-110	50	-	-	60	110	62	38		
110-120	-	-	25	35	60	30	70		
100 100		=	=	65	65	34	66		
120-130	-			0.5	0.5				
130-140	-	-	-	36	36	18	82	70	Resurfacing
			-			18	82 58	70	Resurfacing
130-140	-	-		36	36			70	Resurfacing
130-140 140-150	12	-	-	36 62	36 74	42	58	70	Resurfacing
130-140 140-150 150-160	12	-	-	36 62 87	36 74 87	42	58 52	70	Resurfacing
130-140 140-150 150-160 160-170	12	- - - 5	-	36 62 87	36 74 87 5	42 48 0	58 52 100	70	Resurfacing
130-140 140-150 150-160 160-170 170-180 180-190	- 12 	5		36 62 87 - - 31	36 74 87 5 -	42 48 0 - 30	58 52 100 100 70	70	Resurfacing
130-140 140-150 150-160 160-170 170-180 180-190	- 12 - -	5 - 5 5	-	36 62 87 - - 31	36 74 87 5 - 61	42 48 0 - 30	58 52 100 100 70	70	Resurfacing
130-140 140-150 150-160 160-170 170-180 180-190 190-200 200-210	- 12 5	5 5	- - - 25	36 62 87 - 31 88 35	36 74 87 5 -	42 48 0 - 30 52 16	58 52 100 100 70	70	Resurfacing
130-140 140-150 150-160 160-170 170-180	12	5 5	- - - 25	36 62 87 - - 31	36 74 87 5 - 61 98 35	42 48 0 - 30	58 52 100 100 70 48 84	70	Resurfacing

230-240	=	-	_	88	88	48	52		
240-250	=	-	-	40	40	20	80	70	Resurfacing
250-260	=	7	-	40	47	24	76		
260-270	30	12	-	40	82	-	56		
270-280	50	=	-	39	89	-	52		
280-290	=	6	-	36	42	-	80		
290-300	=	-	28	41	69	36	64		

Sample Section	Patholes	patches D.V	Cracks	Rutting	T.D.V	C.D.V	P.C.I=100-	Average	Type of Maintenance
(m)	D.V	pateries D. v	Cracks	D.V	1.D. v	C.D. V	C.D.V	P.C.I	Type of Maintenance
0-10	50	1	-	40	91	52	48		
20-Oct	-	-	-	34	34	16	84		
20-30	-	-	5	-	5	0	100	71	Resurfacing
30-40	-	3	-	42	45	24	76		
40-50	33	=	=	62	95	54	46		
50-60	-	-	2	63	65	34	66		
60-70	-	1	3	60	64	34	66		
70-80	-	2	-	65	67	35	65		
Note: D.V- Deduct ASTM:D6433-11)	Value, T.D.V-	Total Deduct Va	lue, C.D.	V-Correcte	d Deduct	Value (U	Jsing		
80-90	=	-	=	66	66	3	4 66		
90-100	_	_	20	20			5 65		
		_	29	38	67	3	5 65		
100-110	50	-	5	60	115	6			
100-110	50						6 34		
		- patches	5	60	115	6	6 34 100	71	Resurfacing
110-120	-	patches D.V	5	60	115	6	6 34 0 100 8 42	71	Resurfacing
110-120 120-130	35	patches D.V	5 5 5	60 - 58	115 6 99	5	6 34 0 100 8 42 0 100	71	Resurfacing
110-120 120-130 130-140	35	patches D.V 1	5 5 5 2	58 -	115 6 99 2	5	6 34 0 100 8 42 0 100 6 34	71	Resurfacing
110-120 120-130 130-140 140-150	35	patches D.V 1	5 5 5 2 2	58 - 58	115 6 99 2 117	5 (6 34 0 100 8 42 0 100 6 34 0 70	71	Resurfacing
110-120 120-130 130-140 140-150 150-160	35 - 35 -	patches D.V 1 - 22	5 5 5 2 2	58 - 58 58	115 6 99 2 117 58	5 6 6 3	6 34 0 100 8 42 0 100 6 34 0 70 - 82	71	Resurfacing
110-120 120-130 130-140 140-150 150-160 160-170	35 - 35 - 35	patches D.V 1	5 5 5 2 2	58 - 58 - 58 -	115 6 99 2 117 58 35	55 66 33	6 34 0 100 8 42 0 100 6 34 0 70 - 82	71	Resurfacing

	computation ndex value o		ent							
condition if	dex value o	road 4								
Sample Section (m)	Patholes D.V	patches D.V	Cracks	Rutting D.V	T.D.V	C.D.V		C.I=100- C.D.V	Average P.C.I	Type of Maintenance
0-10		-	-	28	28	14		86		
20-Oct	=	-	=	27	27	12		88		
20-30	=	3	18	28	49	30		70		
30-40	70	-	=	=	70	44		56	80	Resurfacing
40-50	=	-	=	52	52	-		70		
50-60	=	-	=	27	27	-		88		
60-70	=	3	=	55	58	-		62		
70-80	=	-	38	30	33	14		86		
Note: D.V-	l Deduct Valu	<u> </u> е, Т.D.V-Т	Total Dedu	<u>l</u> ct Value, C	C.D.V-					
	educt Value	(Using AS	TM:D643		1 1	00	60	40		
80-90	70			30		00	60	40		
90-100	=	-	_	32	3	32	14	86		
100-110	=	=	=	27	2	27	12	88		
110-120	58	=	=	28	8	36	52	48		
120-130	-	-	-	27	2	27	12	88		
130-140	-	_	-	30	3	30	14	86	80	Resurfacing
140-150	58	_	=	30	8	38	54	46		_
150-160	58	_	-	29		77	48	52		
130-100		_	_		,		-	32		
	38									
160-170	-	_	15	30	2	45	-	72		
170-180	=	=	=	27	2	27	=	88		
180-190	=	=	=	27	2	27	12	88		
190-200	-	-	-	30	3	30		86		
200-210	-	=	=	30		30	14	86		
210-220	_	-	_	_		_	-	100		
220-230	-	-	-	_		=	_	100		
230-240	-	-	-	-		_	-	100		
240-250	-	-	-	9		9	6	94		
250-260	-	-		27		27	12	88	80	Resurfacing
260-270	-	-	-	32		32	16	84		
270-280	58	=	-	30		30	14	86		

280-290	=	-	=	35	35	18	82	
290-300	-	5	=	28	33	16	84	
300-310	-	=	-	60	60	36	64	
310-320	-	-	15	26	41	22	78	

220, 220	20	_	-	20		140	7 0	1	
320-330	38	_		30	68	42	58		
330-340			-	30	30	14	86		
340-350	-	_	=	-	_	1	100		
350-360	=	=	=	27	27	12	88		
360-370	-	=	=	28	28	12	88		
370-380 .	-	-	=	_	-	-	100		
380-390	-	3	=	3	3	0	100	80	Resurfacing
390 -400	-	-	-	-	-	-	100		
400-410	22	=	=	-	22	8	92		
410-420	-	-	=	30	30	14	86		
420-430	-	=	=	30	30	14	86		
320-331	39	-	=	30	-8	- 14	97.75		
440-450	=	-	-	33	33	16	84		
450-460	38	-	-	26	64	36	64		
460-470	=	-	-	28	28	12	88		
470-480	-	-	-	27	27	12	88		
480-490	-	-	-	31	31	14	86		
490-500	=	=	=	27	27	12	88	80	Resurfacing
500-510	=	=	=	27	27	12	88		
510-520	=	=	=	28	28	12	88		
520 -530	=	=	=	32	32	14	86		
530-540	=	=	=	27	27	12	88		
540-550	=	=	=	-	-	-	100		
550-560	=	=	42	28	70	44	56		

Table 4.5: com	putation of pav	ement con	dition in					

	Patholes D.V	patches D.V	Cracks	Rutting D.V	T.D.V	C.D.V	P.C.I=100- C.D.V	Average P.C.I	Type of Maintenance
0-10	=	-	-	-	-	=	100		
20-Oct	70	-	=	63	133	84	16		
20-30	-	-	-	62	62	34	66		
30-40		_	_	=	_	-	100	78	Resurfacing
40-50	70	-	-	42	112	68	32		
50-60	_	-	-	-	-	-	100		
60-70	_	5	-	65	70	40	60		
70-80	-	-	-	-	-	-	100		
Note: D.V- Deduct Value, T.D.V-Total Deduct Value, C.D.V- Corrected Deduct Value (Using ASTM:D6433- 11) 80-90	_	-	-	-	-	-	100		
90-100	-	-	-	38	38	14	86		
100-110	70	=	-	=	108	62	38		
110-120	_	-	=	=	=	=	100		
120-130	-	-	=	65	65	34	66		
130-140	-	-	=	-	=	-	100	78	Resurfacing
140-150	32	=	=	30	62	30	70		
150-160	=	3	=	60	63	32	68		
160-170	-	-	_	38	38	20	80		
170-180	-	-	=	40	40	20	80		
180-190	=	-	_	-	_	=	100		
190-200		_	-	=	-	=	100		