

APPENDIX A1: VISUAL PAVEMENT CONDITION SURVEY (FOR AJAOKUTA – AYANGBA ROAD) USING THE OECD METHOD

TABLE A-1: TYPICAL SAMPLE OF EXCEL WORKSHEET RESULT

FEDERAL MINISTRY OF TRANSPORTATION
HIGHWAYS PLANNING AND DESIGN DEPARTMENT
PAVEMENT EVALUATION UNIT - KADUNA
VISUAL PAVEMENT CONDITION SURVEY FIELD DATA ANALYSIS

ROAD: AJAOKUTA - AYANGBA ROAD

DATE: 20th April, 2008

DISTANCE		CARRIAGEWAY									SHOULDER, % Area						DRAIN. COND.	CULVT	BRIDGES		OECD RATING
		CRACKS, % Area				DEFORMATION		SUR. DEF.	PAVT FAILURE		UNPAVED		PAVED			No.		STRUCT. DAMAGE	HAND RAIL.		
		AASHO																			
FROM	TO	CL I	CL II	CL III	TOTAL CRACKS m2	BASE SHEAR	RUT DEPTH	RAVELLING	P/HOLES	PATCHES	VEG. COVER	EARTH	SD	AC	DROP OFF Mm						
0.000	0.100	5			5								100			2				2	
0.100	0.200	20	20		40					2		30	70			2				3	
0.200	0.300	20	20		40							50	50			2				3	
0.300	0.400	20	20		40							50	50			2				3	
0.400	0.500	20	20		40							80	20			2				3	
0.500	0.600	20	20		40							80	20		50	2				3	
0.600	0.700	20	20		40							80	20		50	2				3	
0.700	0.800	20	40	10	70							80	20			2				3	
0.800	0.900	20	20		40				2			60	40		40	2				3	
0.900	1.000	20	20		40							60	40			2				3	
1.000	1.100	20	20		40	2						50	50			2				4	
TOTAL									3,270	292											
MEAN		15	16	16	34	3	34	0	36	8					58	2					
ST. DEV		7.3	7.8	18	21.1	1.1	9.8	0	149.7	5.8					14.2	0.6					
C.O.V		0.5	0.5	1.1	0.6	0.4	0.3	0	4.2	0.8					0.2	0.3					
RANGE																					

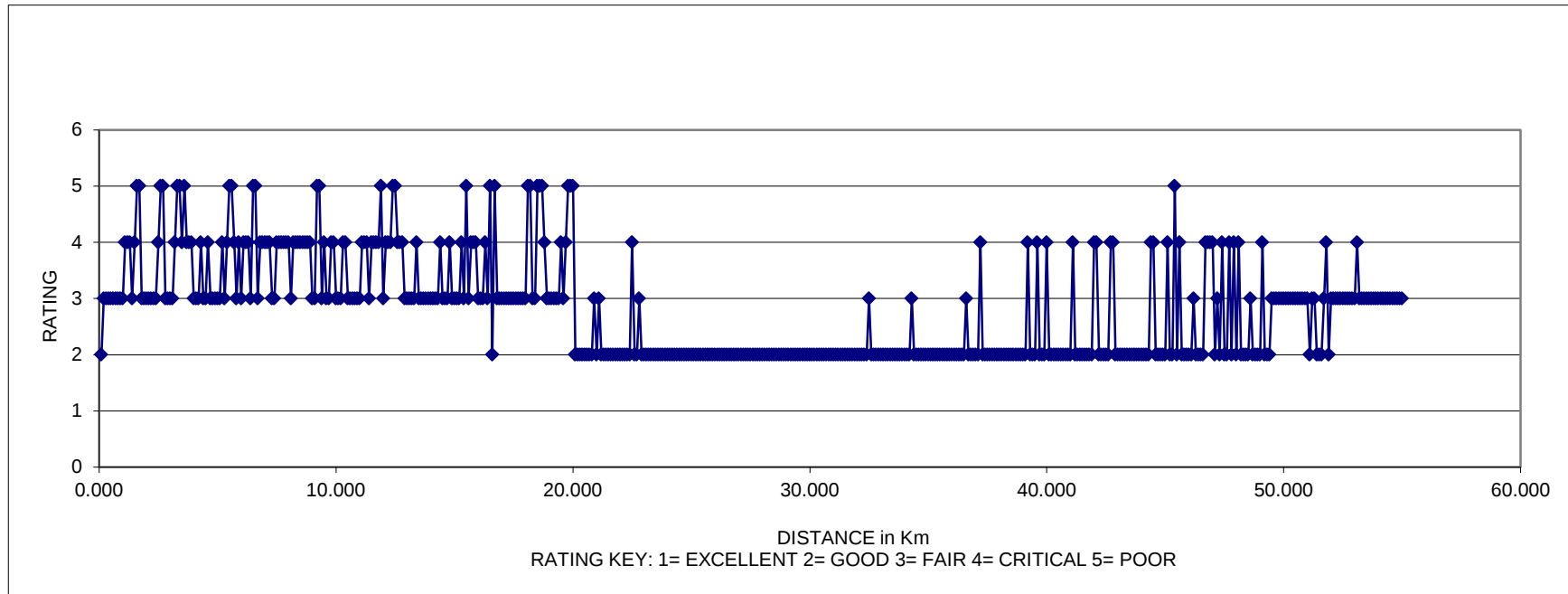


FIGURE A1: CONDITION SURVEY RATING PLOT FOR AJAOKUTA – AYANGBA ROAD