



IMPROVEMENT PLAN ASPHALT CONCRETE PAVEMENT

ELEVATION IN METERS	490.00																																				
	480.00																																				
	470.00																																				
	460.00																																				
	450.00																																				
	440.00																																				
	GRADIENT (%)	5.5	< 1.0	6.0	< 1.0	8.0	5.0	2.0	7.0	6.0	< 1.0	3.0	1.0	4.0	2.5	8.0	2.0	9.5	4.5	< 1.0	4.0	< 1.0	5.0	2.0	7.0	1.0	9.0	5.0	< 1.0	4.0	< 1.0	3.0	4.0	< 1.0	2.0	3.0	2.0
	CURVE BAND	R=350		R=350	R=100	R=400		R=1200		R=250		R=500	R=1000		R=400		R=250	R=300		R=250		R=300		R=800		R=350	R=250		R=200		R=250		R=1000				
	ALIGNMENT VERTICAL	FAIR	GOOD	FAIR	BAD	FAIR		GOOD		FAIR		GOOD		FAIR		GOOD		FAIR		GOOD		FAIR		BAD										GOOD			
	ALIGNMENT HORIZONTAL	GOOD			BAD					GOOD				GOOD				GOOD				FAIR		BAD				FAIR				GOOD		GOOD			
ROAD SURFACE CONDITION	GOOD	BAD	GOOD		FAIR	BAD	GOOD	BAD	FAIR	BAD	GOOD	BAD	FAIR	BAD	GOOD	BAD	FAIR	BAD	GOOD	BAD	GOOD	BAD	GOOD	BAD	GOOD	BAD	GOOD	BAD	GOOD	BAD	GOOD	BAD					
ROAD SURFACE TYPE	LATERITE PAVEMENT																																				
NUMBERS OF BRIDGE AND BOX	1				0				1				0																								
NUMBERS OF PIPE	5 (Ø 0.90~Ø 1.20)				10 (Ø 0.25~Ø 1.20)				5 (Ø 0.60~Ø 0.85)				6 (Ø 0.60~Ø 1.60)																								
CROSS SECTION (M)	10.5 ~ 14.4		9.9 ~ 11.7		8.5 ~ 11.6		10.5 ~ 13.0		9.2 ~ 11.8		9.6 ~ 11.4		13.0		9.9 ~ 11.6																						
TERRAIN	ROLLING AND HILLY																																				
ACCUMULATIVE DISTANCE MILE	0.0	1.0	1.6	1.3	1.9	2.5	3.1	3.8	4.4	5.0	5.8	6.4	7.0	7.6	8.0																						
ACCUMULATIVE DISTANCE KM	0.0	1.6	2.6	3.3	4.0	4.8	5.8	6.8	7.9	8.8	9.8	11.0	12.4	14.0	15.6																						

7.70x16.30
CREEK

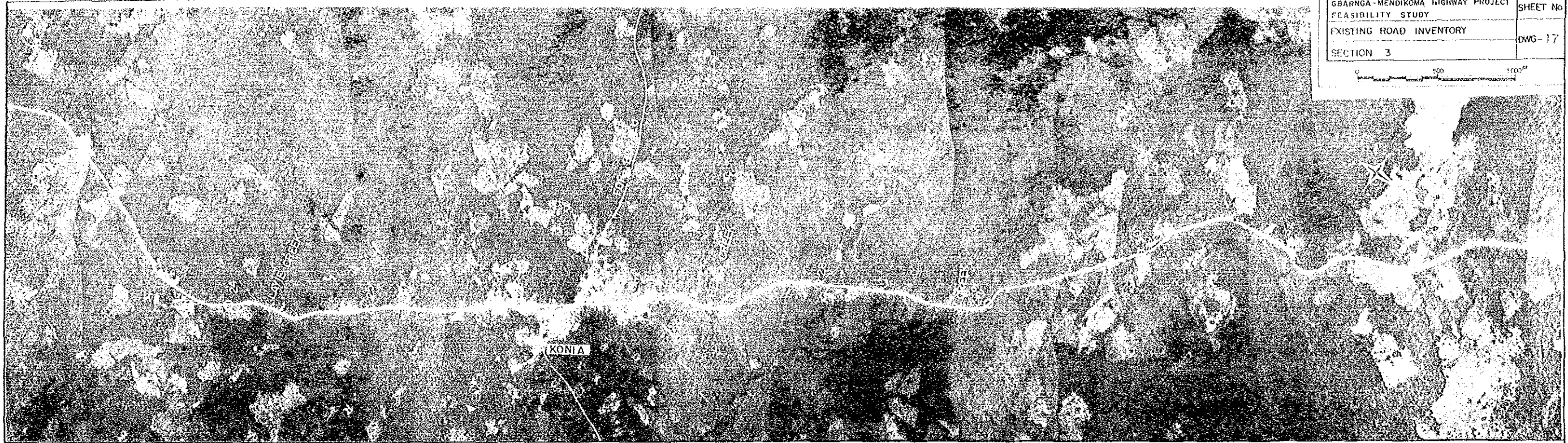
3.10x3.10x10.68
C- Bx



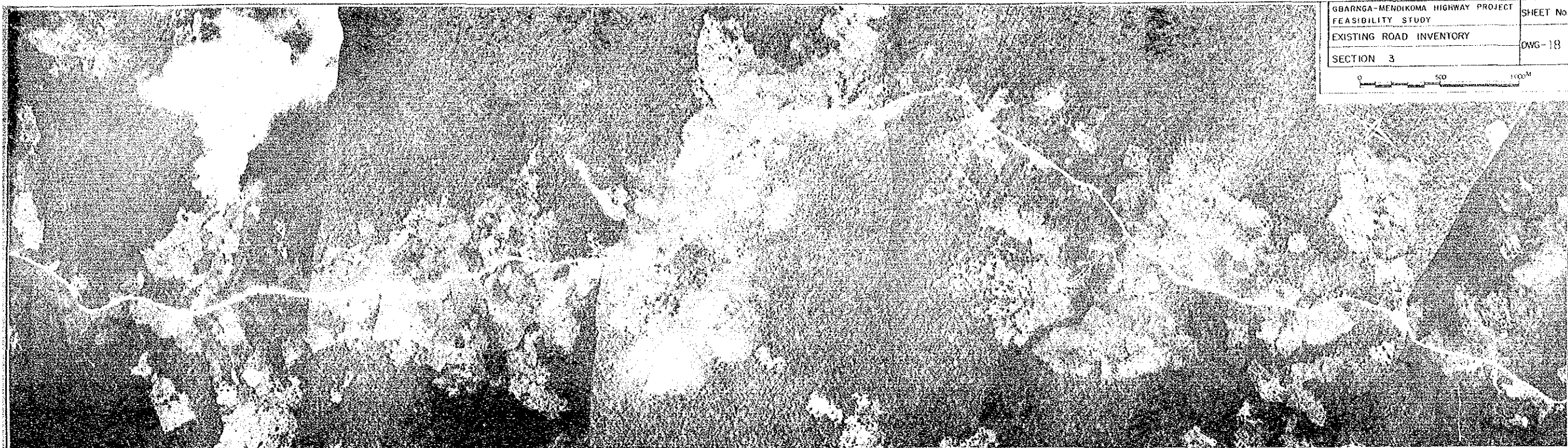
IMPROVEMENT PLAN		ASPHALT CONCRETE PAVEMENT																																						
ELEVATION IN METERS																																								
	GRADIENT (%)	2.0	<1.0	4.0	<1.0	3.0	3.0	<1.0	4.0	3.5	<1.0	10.0	1.0	7.0	3.0	6.0	2.0	1.5	<1.0	2.0	5.0	1.0	2.0	3.0	3.0	1.0	4.0	<1.0	1.5	<1.0	2.0	7.5	2.0	8.0	2.5	2.0	4.0	1.0	3.5	7.0
	CURVE BAND																																							
	ALIGNMENT	VERTICAL	GOOD				BAD		FAIR		GOOD				BAD		GOOD		FAIR		GOOD		FAIR																	
ROAD SURFACE	CONDITION	BAD		GOOD				FAIR		BAD		GOOD				GOOD		BAD		FAIR		GOOD		BAD																
	TYPE	LATERITE PAVEMENT																																						
NUMBERS OF BRIDGE AND BOX		0				0				0				0																										
NUMBERS OF PIPE		3 (ø 0.80 ~ ø 1.20)				7 (ø 1.60)				3 (ø 0.60 ~ ø 1.60)				7 (ø 0.70 ~ ø 1.60)																										
CROSS SECTION (M)																																								
TERRAIN		ROLLING AND HILLY																																						
ACCUMULATIVE DISTANCE	MILE	80.50	90.56	100.63	110.69	120.75	130.81	140.88	150.89	160.100																														
	KM	80.50	90.56	100.63	110.69	120.75	130.81	140.88	150.89	160.100																														



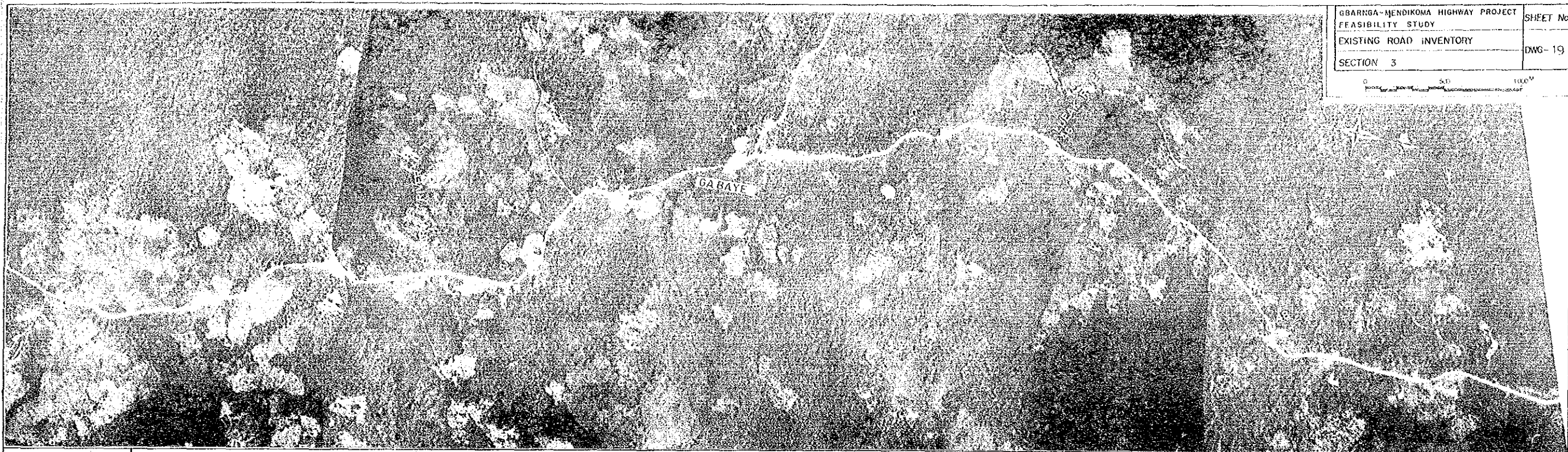
IMPROVEMENT PLAN		ASPHALT CONCRETE PAVEMENT																																			
ELEVATION IN METERS	500.00																																				
	490.00																																				
	480.00																																				
	470.00																																				
	460.00																																				
	450.00																																				
	440.00																																				
	430.00																																				
	420.00																																				
	410.00																																				
400.00																																					
GRADIENT (%)		3.0	8.0	3.0	2.0	4.0	2.0	7.0	1.0	6.0	1.0	6.0	3.0	5.0	4.0	2.0	<1.0	2.0	1.0	<1.0	2.5	3.5	3.0	4.0	7.5	9.5	8.0	2.0	4.0	<1.0	4.0	4.0	<1.0	5.0			
CURVE BAND		R=250	R=300	R=2000	R=500	R=250	R=150	R=200	R=250	R=250	R=250	R=350	R=150	R=200	R=150	R=250	R=250	R=250	R=250	R=800	R=250	R=250															
ALIGNMENT	VERTICAL	FAIR	BAD	GOOD			FAIR						GOOD												BAD												
	HORIZONTAL	GOOD					FAIR	GOOD	FAIR			GOOD																									
ROAD SURFACE	CONDITION	GOOD	BAD	FAIR			GOOD					FAIR		GOOD																							
	TYPE	LATERITE PAVEMENT																																			
NUMBERS OF BRIDGE AND BOX		0																																			
NUMBERS OF PIPE		6 (ø1.00~ø1.20)					1 (ø1.20)					3 (ø0.90~ø1.80)					2 (ø1.30)																				
CROSS SECTION (M)																																					
TERRAIN		ROLLING AND HILLY																																			
ACCUMULATIVE DISTANCE	MILE	16.0	17.0	18.0	19.0	20.0	21.0	22.0	23.0	24.0	10.0	10.6	11.3	11.9	12.5	13.1	13.6	14.4	15.0																		
	KM	16.0	17.0	18.0	19.0	20.0	21.0	22.0	23.0	24.0	10.0	10.6	11.3	11.9	12.5	13.1	13.6	14.4	15.0																		



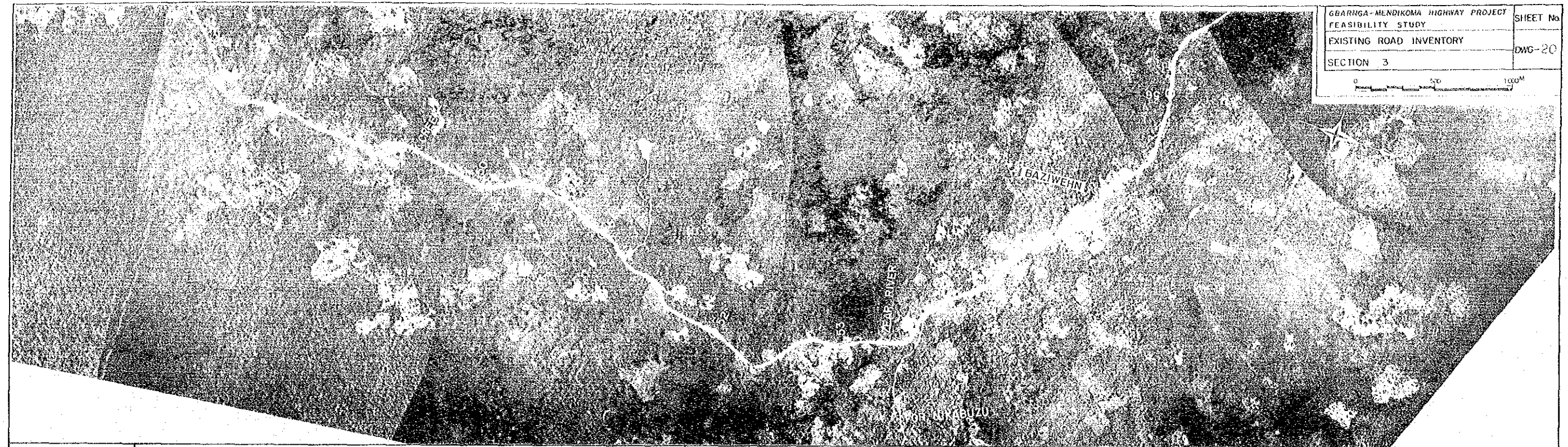
IMPROVEMENT PLAN		ASPHALT CONCRETE PAVEMENT																																
ELEVATION IN METERS	550.00																																	
	540.00																																	
	530.00																																	
	520.00																																	
	510.00																																	
500.00																																		
GRADIENT (%)		5.0	7.0	<1.0	6.0	5.0	<1.0	1.5	4.0	2.5	<1.0	4.0	1.0	3.0	<1.0	2.0	6.0	5.0	6.5	5.0	2.0	5.0	8.0	3.0	7.0	9.0	2.0	2.0	6.0	2.0	8.0	8.0	8.5	2.0
CURVE BAND	100																																	
	500																																	
	1000																																	
	1000																																	
	500																																	
100		R=300	R=150	R=200	R=400	R=500	R=900	R=1000	R=1500	R=1000	R=250	R=350	R=300	R=2000	R=250	R=250	R=100	R=100	R=800	R=250	R=250	R=250	R=300	R=100	R=250	R=300	R=100	R=250	R=300					
ALIGNMENT	VERTICAL	FAIR	GOOD	FAIR	GOOD				FAIR				BAD	GOOD	BAD																			
	HORIZONTAL	GOOD	FAIR	GOOD				BAD				GOOD	BAD		GOOD																			
ROAD SURFACE	CONDITION	GOOD		FAIR		GOOD		FAIR		GOOD		BAD	GOOD	BAD	FAIR	BAD																		
	TYPE	LATERITE PAVEMENT																																
NUMBERS OF BRIDGE AND BOX		1				1				4				0																				
NUMBERS OF PIPE		5 (ø 0.60 ~ ø 1.00)				4 (ø 0.80 ~ ø 1.20)				6 (ø 0.80 ~ ø 1.20)				1 (ø 1.40)																				
CROSS SECTION (M)																																		
TERRAIN		ROLLING AND HILLY								HILLY AND MOUNTAINOUS																								
ACCUMULATIVE DISTANCE	MILE	24.0	15.0	25.0	15.6	26.0	16.3	27.0	16.9	28.0	17.5	29.0	18.1	30.0	18.8	31.0	19.4	32.0	20.0															
	KM	24.0	15.0	25.0	15.6	26.0	16.3	27.0	16.9	28.0	17.5	29.0	18.1	30.0	18.8	31.0	19.4	32.0	20.0															



IMPROVEMENT PLAN		ASPHALT CONCRETE PAVEMENT																																		
ELEVATION IN METERS	580.00																																			
	570.00																																			
	560.00																																			
	550.00																																			
	540.00																																			
	530.00																																			
	520.00																																			
	510.00																																			
	500.00																																			
	490.00																																			
GRADIENT (%)	5.0	6.0	4.0	2.5	10.0	3.0	10	9.0	4.5	2.0	7.0	2.0	7.0	4.5	8.0	3.0	2.0	<1.0	4.0	1.0	3.0	6.0	7.0	5.0	<1.0	2.5	<1.0	5.0	1.5	2.5	7.0	4.0				
CURVE BAND	R=300	R=250	R=800	R=150	R=100	R=150	R=150	R=300	R=400	R=400	R=250	R=400	R=250	R=150	R=150	R=300	R=300	R=300	R=400	R=200	R=300	R=700	R=250	R=250	R=250	R=250	R=100	R=800	R=300	R=400						
ALIGNMENT	VERTICAL	FAIR	GOOD	BAD	FAIR	BAD	GOOD	FAIR	GOOD	FAIR	GOOD	FAIR	GOOD	FAIR	GOOD	FAIR	GOOD	FAIR	GOOD	GOOD	GOOD	FAIR	GOOD	FAIR	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD					
	HORIZONTAL	GOOD	GOOD	FAIR	BAD	FAIR	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD					
ROAD SURFACE	CONDITION	FAIR	GOOD	FAIR	GOOD	BAD	FAIR	GOOD	BAD	FAIR	GOOD	BAD	FAIR	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD					
	TYPE	LATERITE PAVEMENT																																		
NUMBERS OF BRIDGE AND BOX		1							0							0							0													
NUMBERS OF PIPE		7 (ø 1.20 ~ ø 1.60)							6 (ø 0.80 ~ ø 1.20)							3 (ø 0.60 ~ ø 0.80)							5 (ø 0.90 ~ ø 1.60)													
CROSS SECTION (M)																																				
TERRAIN		HILLY AND MOUNTAINOUS																																		
ACCUMULATIVE DISTANCE	MILE	32.0+20.0	33.0+20.6	34.0+21.3	35.0+21.9	36.0+22.5	37.0+23.1	38.0+23.8	39.0+24.4	40.0+25.0																										
	KM	32.0+20.0	33.0+20.6	34.0+21.3	35.0+21.9	36.0+22.5	37.0+23.1	38.0+23.8	39.0+24.4	40.0+25.0																										



IMPROVEMENT PLAN		ASPHALT CONCRETE PAVEMENT		
ELEVATION IN METERS				
	GRADIENT (%)	4.0	2.5 9.0 2.0 9.0 <1.0 9.0 8.0 2.0 4.0 2.0 3.0 6.0 6.0 3.0 1.0 4.0 3.0 3.0 2.0 5.5 4.0 5.0 4.0 4.0 5.0 9.0 1.0 4.0	
	CURVE BAND	R-400 R-200 R-150 R-100 R-1500 R-250 R-350 R-100 R-200 R-250 R-100 R-300 R-400 R-250 R-800 R-250 R-800 R-150 R-250 R-150 R-150 R-400 R-150 R-250 R-100 R-800 R-100 R-1000 R-300		
	ALIGNMENT VERTICAL	GOOD	BAD GOOD BAD GOOD FAIR GOOD FAIR GOOD BAD GOOD	
	ALIGNMENT HORIZONTAL	GOOD FAIR BAD GOOD BAD FAIR GOOD BAD GOOD FAIR GOOD FAIR GOOD FAIR GOOD BAD GOOD BAD GOOD		
	ROAD SURFACE CONDITION	FAIR	GOOD BAD FAIR GOOD FAIR GOOD BAD FAIR	
	ROAD SURFACE TYPE	LATERITE PAVEMENT		
	NUMBERS OF BRIDGE AND BOX	1	0	1
	NUMBERS OF PIPE	4 (ø 0.60 ~ ø 1.60)	3 (ø 0.60 ~ ø 1.40)	4 (ø 0.80 ~ ø 1.60)
	CROSS SECTION (M)			
TERRAIN	HILLY AND MOUNTAINOUS			
ACCUMULATIVE DISTANCE MILE	40.0-25.0	41.0-25.6	42.0-26.3	
ACCUMULATIVE DISTANCE KM	40.0-25.0	41.0-25.6	42.0-26.3	



IMPROVEMENT PLAN		ASPHALT CONCRETE PAVEMENT	
ELEVATION IN METERS	490.00		
	480.00		
	470.00		
	460.00		
	450.00		
	440.00		
	430.00		
	420.00		
	410.00		
	GRADIENT (%)		
CURVE BAND	R=150 R=400 R=600 R=500 R=250 R=150 R=250 R=250 R=600 R=250 R=250 R=150 R=150 R=500 R=150 R=200 R=100 R=150 R=150 R=250 R=350 R=500 R=450 R=400 R=250 R=600		
ALIGNMENT	VERTICAL: GOOD, BAD, FAIR, GOOD, FAIR, BAD, GOOD, BAD, FAIR, GOOD, FAIR, GOOD, FAIR, GOOD, FAIR, GOOD HORIZONTAL: FAIR, GOOD, FAIR, GOOD, FAIR, GOOD, FAIR, GOOD, FAIR, GOOD, FAIR, GOOD, FAIR, GOOD, FAIR, GOOD		
ROAD SURFACE	CONDITION: BAD, FAIR, BAD, GOOD, FAIR, FAIR, GOOD, GOOD TYPE: LATERITE PAVEMENT		
NUMBERS OF BRIDGE AND BOX	1, 0, 3, 0		
NUMBERS OF PIPE	6 (ø1.10 ~ ø1.20), 4 (ø0.80 ~ ø1.20), 3 (ø0.80 ~ ø1.20), 4 (ø1.20 ~ ø1.50)		
CROSS SECTION (M)			
TERRAIN	HILLY AND MOUNTAINOUS		
ACCUMULATIVE DISTANCE	MILE: 48.0-30.0, 49.0-30.6, 50.0-31.3, 51.0-31.9, 52.0-32.5, 53.0-33.1, 54.0-33.6, 55.0-34.4, 56.0-35.0 KM: 48.0-30.0, 49.0-30.6, 50.0-31.3, 51.0-31.9, 52.0-32.5, 53.0-33.1, 54.0-33.6, 55.0-34.4, 56.0-35.0		