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## ABBREVIATIONS & ACRONYMS

<i>AfDB</i>	-	African Development Bank
<i>ALTTFP</i>	-	Abidjan Lagos Trade & Transport Facilitation Project
<i>BADEA</i>	-	Arab Bank for Economic Development in Africa
<i>BMU</i>	-	Bridge Maintenance Unit
<i>CAGD</i>	-	Controller & Accountant General Department
<i>CATB</i>	-	Central Advisory Tender Board
<i>DANIDA</i>	-	Danish International Development Agency
<i>DFR</i>	-	Department of Feeder Roads
<i>DLP</i>	-	Defects Liability Period
<i>DTF</i>	-	Dutch Trust Fund
<i>DUR</i>	-	Department of Urban Roads
<i>EU</i>	-	European Union
<i>GHA</i>	-	Ghana Highway Authority
<i>GCAA</i>	-	Ghana Civil Aviation Authority
<i>GIFMIS</i>	-	Ghana Integrated Financial Management Information Systems
<i>GOG</i>	-	Government of Ghana
<i>GSGDA</i>	-	Ghana Shared Growth & Development Agenda
<i>IPC</i>	-	Interim Payment Certificate
<i>IGF</i>	-	Internally Generated Fund
<i>JBIC</i>	-	Japan Bank for International Co-operation
<i>JICA</i>	-	Japan International Co-operation Agency
<i>KfW</i>	-	Kreditanstalt für Wiederaufbau
<i>MMU</i>	-	Mobile Maintenance Unit
<i>MOF</i>	-	Ministry of Finance
<i>MOT</i>	-	Ministry of Transport
<i>NITA</i>	-	National Information Technology Agency
<i>OECD</i>	-	Overseas Economic Cooperation Fund
<i>PAP</i>	-	Project Affected Persons
<i>PWS</i>	-	Permanent Weighbridge Stations
<i>RAP</i>	-	Resettlement Action Plan
<i>RCS</i>	-	Road Condition Survey
<i>RPF</i>	-	Resettlement Policy Framework
<i>SMEC</i>	-	Snowy Mountains Engineering Corporation
<i>TSDP</i>	-	Transport Sector Development Programme
<i>WATTFP</i>	-	West Africa Transport and Trade Facilitation Project

## APPENDICES

<b>Appendix</b>	<b>A</b>	<b><i>GHA Organisational Structure</i></b>
<b>Appendix</b>	<b>B</b>	<b><i>Status Report for Development Projects September 2017</i></b>

## EXECUTIVE SUMMARY

The Ghana Highway Authority (GHA) under the Ministry of Roads and Highways (MRH) is charged by Act 540 with the responsibility for the development, management and maintenance of the trunk road network in Ghana. Ghana's trunk road network is about 15,360km.

It is important to note that infrastructure is the pivot for national development and Ghana Highway Authority (GHA) plays a critical role in the provision of road infrastructure, and this role is clearly stated in our mission statement of providing a safe and reliable trunk road network at optimal cost by taking advantage of modern technology in road building and new income-generating methods to facilitate socio-economic development in the country.

### GHA Vision and Target

The Ghana Highway Authority in its 2000 – 2015 strategic plan proposed to achieve a road network condition mix of 70% good, 20% fair and 10% poor by the end of the year 2015. This target suffered a serious jolt, due to accumulated financing gaps in road maintenance of annual programmes over the years.

A total of 14,582.62km of Paved and Gravel roads, which forms 94.9% of 15,360km of the total trunk roads network, were surveyed and classified into Good, Fair and Poor conditions. Roads under construction and missing links were not surveyed and their lengths are 290.38km and 487km respectively.

For both Paved and Gravel roads surveyed, the overall condition mix as it stands is shown in table 1 below.

**Table 1: 2016 Road Surface Condition Mix**

Condition Description	Length (km)	Percentage (%)
GOOD	8,171.9	56
FAIR	5,428.62	37
POOR	982.1	7
<b>TOTAL</b>	<b>14,582.62</b>	<b>100</b>

*Source: GHA Road*

*Maintenance Division, September 2017*

## Functional Classification of Roads

In 1998, the MRH introduced the new functional classification of roads in Ghana. Under this, trunk roads have been classified into National (N), Inter Regional (IR) and Regional (R) roads. This classification came with alphanumeric numbering system currently in use as shown Table 2. Figure 1 shows a graphical representation of the functional classification in lengths and percentages whilst Table 3 and Figure 2 show the composition of the trunk road network by surface type.

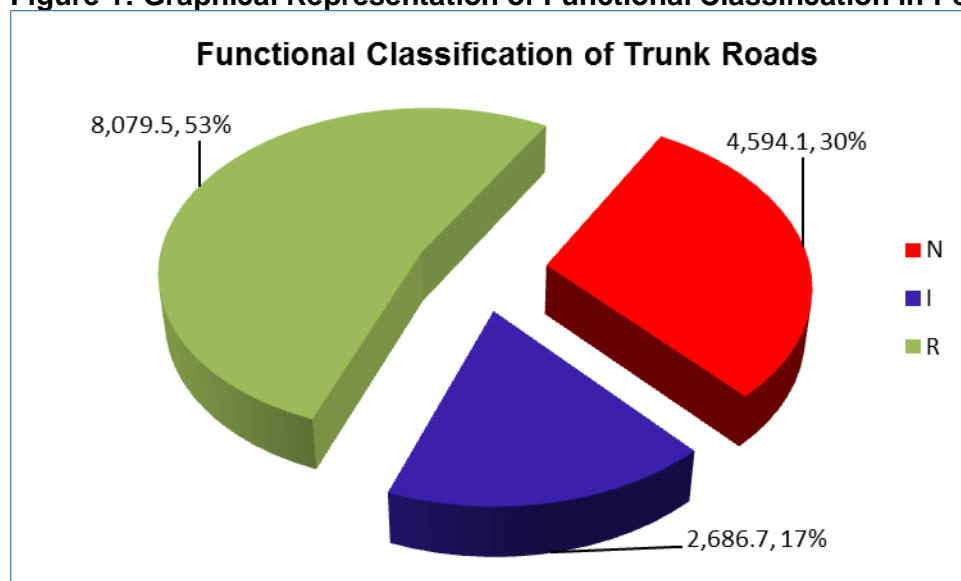
Table 3 lists and defines the National roads and the various major cities, towns and regions that the national roads traverse.

**Table 2: Functional Classification of Trunk Roads**

ROAD CLASS	ASR	BAR	CR	ER	GAR	NR	UER	UWR	VR	WR	TOTAL (KM)	%
<b>N</b>	442.5	560.5	326.9	341.5	280	1,064.00	288	420.1	418.4	452.6	4,594.1	31
<b>I</b>	476.7	566.8	200.7	401.8	0	519.7	61.4	121.3	33.7	304.6	2,686.7	16
<b>R</b>	976.7	1014.6	671.9	858.2	220	1,615.70	271	535.3	994	921.3	8,079.5	53
<b>TOTAL (KM)</b>	<b>1,895.9</b>	<b>2,141.9</b>	<b>1,199.5</b>	<b>1,601.5</b>	<b>500.5</b>	<b>3,199.4</b>	<b>620.3</b>	<b>1,076.7</b>	<b>1,446.1</b>	<b>1,678.5</b>	<b>15,360.3</b>	<b>100</b>

*Source: GHA Road Maintenance Division, September 2017*

**Figure 1: Graphical Representation of Functional Classification in Percentages**



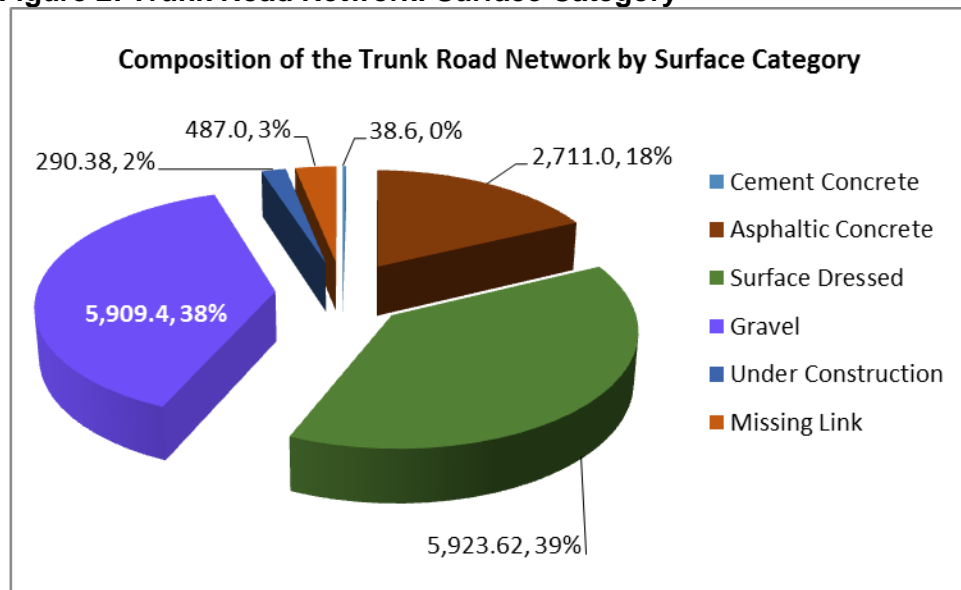
*Source: GHA Road Maintenance Division, September 2017*

**Table 3: Trunk Road Network: Surface Category**

<b>Surface Category</b>	<b>Length (km)</b>	<b>Percentage of Total Network (%)</b>
Cement Concrete	38.6	0.3
Asphaltic Concrete	2,711.0	17.6
Surface Dressed	5,923.62	38.6
Gravel	5,909.4	38.5
<b>Sub Total (Surveyed)</b>	<b>14,582.62</b>	<b>94.9</b>
Under Construction	290.38	1.9
Missing Link	487.0	3.2
<b>Grand Total</b>	<b>15,360.0</b>	<b>100.0</b>

*Source: GHA Road Maintenance Division, September 2017*

**Figure 2: Trunk Road Network: Surface Category**



*Source: GHA Road Maintenance Division, September 2017*



**Table 4: National Roads**

Route No	Name	Major Towns Roads Traverse	Regions that the Roads Traverse
N1	Trans West Africa Highway	Aflao, Accra, Cape Coast	Volta, Greater Accra, Central and
		Takoradi, Elubo	Western Regions
N2	Eastern Corridor	Tema, Hohoe, Jasikan, Nkwanta	Volta, Greater Accra and
		Bimbila, Yendi, Gushiegu-Kulungulu	Northern Regions
N3		Koforidua, Oterkpolu, Krobo Odumase	Eastern Region
N4		Accra, Aburi, Mamfe, Koforidua, Bunso Junction	Greater Accra and Eastern Regions
N5		Asikuma, Ho	Volta Region
N6	Central Corridor	Accra, Suhum, Nkawaw, Konongo, Kumasi,	Greater Accra, Eastern, Ashanti and Brong Ahafo Regions
		Sunyani, Dormaa Ahenkro Gonokrom	
N7		Sawla, Damango and Fulfulso	Northern Region
N8		Assin Fosu, Anwiankwanta, Kumasi Bechem	Central, Ashanti and Brong Ahafo Regions
N9		Tamale, Pusuga	Northern Region
N10		Daboasi junction, Atieku, Dunkwa, Kumasi	Western, Central, Ashanti, Brong Ahafo, Northern and
		Techiman, Kintampo, Tamale Bolga and Paga	Upper East Regions
N11	Northern Corridor	Bolga, Bawku, Pulimakom	Upper East Region
N12	Western Corridor	Elubo, Enchi, Juabeso, Goaso, Sunyani	Western, Ashanti, Brong Ahafo
		Wenchi, Bole, Wa, Nadowli Hamile	Upper West, and Upper East Regions
N13	Northern Corridor	<u>Lawra, Han, Tumu, Navrongo</u>	Upper West & Upper East Regions
N14		Sakpeigu, Yawgu	Northern Region
N16		Tumu, Kapulima	Upper West Region
N18		Wa, Han	Upper West Region

**Source: GHA Road Maintenance Division, September 2017**

# CHAPTER ONE

## 1.0 INTRODUCTION

### 1.1 Establishment

The NRC Decree 298 of December 1974 establishing Ghana Highway Authority has been superseded by Act 540 of December 1997 to reflect changes, which have occurred in the road sub-sector. GHA is charged with the responsibility for the administration, development and maintenance of **trunk roads** and related facilities in the country.

### 1.2 Mission Statement

The Ghana Highway Authority is to provide and maintain a safe and reliable trunk road network, to support socio-economic development in the country.

### 1.3 Policy Objective

To accelerate the realization of the Mission Statement, the Authority has devised the following objectives :

- **Improving Road Condition:** To ensure the provision, expansion, and maintenance of Trunk Road Transport Infrastructure by increasing the proportion of the trunk road network and roads in District Capitals in good condition.
- **Reducing Accident Fatalities:** To work with the National Road Safety Commission and other stakeholders to reduce accident fatalities on the trunk road network
- **Reducing Travel Time:** To ensure the provision of affordable, safe and accessible transport system by dualisation of heavily trafficked Trunk Road Sections
- **Environmental and Social Mitigation Measures:** To mitigate the impact of the road development and maintenance program on the environment and people
- **Improving Quality of Systems Delivery:** To assist MRH and other Ministries, Departments & Agencies (MDA's) to develop and strengthen the appropriate legal, institutional and regulatory framework and regulate all modes of transport to ensure an efficient transport system that will promote quality delivery of services.
- **Administration & Human Resources:** To recruit, train and adequately motivate staff and provide the needed logistics to undertake the services.

## 1.4 Governing Body

A constituted Board of Directors governs the Authority. The Board has the Chief Executive of GHA as a member. A new board was inaugurated during the quarter under review and the members with their positions are as listed below in Table 5.

**Table 5: Board Members of Ghana Highway Authority**

	Name	Organisation/Institution	Position
1	Dr. Francis Achampong	President's Nominee	Chairman
2	Mr. Godwin Joseph Brocke	Ministry of Roads & Highways	Member
3	Mrs. Mangowa Ghanney	Ministry of Finance	Member
4	Mr. Ben Asomani	Ministry of Environment	Member
5	Mrs. Adelaide Anno-Kumi	Ministry of Interior	Member
6	Mr. Victor Owusu	GHA (Chief Executive)	Member
7	Mr. Senyo Kwasi Hosi	Private Enterprise Foundation	Member
8	Ing. Sir Fredrick Kwabena Akwaboah	Ghana Association of Consultants	Member
9	Mr. Benjamin Ewusi Darbah	Private Road Transport Unions of Ghana	Member
10	Mr. Felix Aboagye	Road Users Representative	Member

*Source: GHA Public Affairs Division September 2017*

## 1.5 The Directorate

The Authority has a Managing Director, designated as Chief Executive. Under him, there are three (3) Deputy Chief Executives: the Deputy Chief Executive (Administration); the Deputy Chief Executive (Development); and the Deputy Chief Executive (Maintenance).

## 1.6 Departments, Divisions and Regions/Road Area Offices

Under the three Departments, there are Sixteen Divisions in the Head Office, each of which is headed by a Director and ten Regional Offices headed by Regional Highway Directors. The GHA also has twenty eight Area Offices nation-wide. The Internal Audit and Legal Divisions, though directly responsible to the Chief Executive, are under the Administration Department for management purposes.

The Organisational Chart of the GHA is attached (Appendix A).

## 1.7 Excerpts from 2017 Budget Statement

The Theme for 2017 Budget is "Sowing the seeds for Growth and Jobs". The 2017 budget has been developed within the broad framework of shifting economic management from taxation to production to grow the economy and also create jobs.

The government intends to strengthen tax administration, reduce tax exemption, and plug revenue loopholes and leakages as well as combating tax evasion. The government also

intends to broaden the tax base, reducing and abolishing some taxes and levies, so as to create economic growth. *(Source: MOF, Budget Statement 2017)*

The Key Policies as outlined in the 2017 Budget by Government are summarized below:

- (i) Establishment of the Infrastructure Fund for Poverty Eradication Program (PEP). Under this, every constituency shall receive \$1m to combat poverty.
  - (ii) Implementation of the “one district, one factory” program.
  - (iii) Establishment of Zongo Development Fund.
  - (iv) Rolling out the National Identification Scheme.
  - (v) Introduction of Free SHS policy.
  - (vi) Rolling out of National Digital Addressing System.
  - (vii) Restoration of Teachers and Nurses Trainees allowances.
  - (viii) Macro-economy Stability
- (Source: MOF, Budget Statement 2017)*

The Government targets to grow the economy by 6.3% of GDP, including oil and by 4.6% excluding oil of GDP. The Service Sector is to grow by 5.1%, end of year inflation rate expected to be 11.2%, fiscal deficit is also expected to be 6.5% of GDP.  
*(Source: MOF, Budget Statement 2017)*

The Government also targets to have an import cover of 3 months for the Gross Foreign Reserve. *(Source: MOF, Budget Statement 2017)*

Strategies to be adopted by government to attain the goals set out in the 2017 Budget are:

- (i) Fiscal discipline
- (ii) Fiscal transparency
- (iii) Fiscal Clarity
- (iv) Abolishing some taxes
- (v) Reduce tax exemption
- (vi) Widening the tax base

The total Expected Revenue and grants including Oil as outlined in the 2017 Budget is GH¢44.9b representing 22% of GDP, whilst Total Expected Expenditure is GH¢58.14b representing 7.9% of GDP. Expenditure of goods and service is expected to cost GH¢3.5b representing 1.7% of the GDP. *(Source: MOF, Budget Statement 2017)*

Interest on loans is the second largest component of the 2017 Budget. The Government is expected to pay GH¢13.9b representing 23% of the Total Expenditure and also 6.9% of the GDP to its lenders as Total Interest Payment. *(Source: MOF, Budget Statement 2017)*

An amount of GH¢7.1b has been allocated for Capital Expenditure. The Government has decided to introduce Revenue capping for Agencies including GHA to reduce Internally Generated Revenue to these Agencies. *(Source: MOF, Budget Statement 2017)*

To this end, GHA will have a reduction of about 34% of its IGF given to the Central Government. The effect is that, GHAs Financial resource envelope will be affected greatly.

This will lead to further accumulation of debts to Service Providers and also affect the operations of the Authority.

## 1.8 Road Condition Mix for Year 2016

All together 14,582.62km of Paved and Gravel roads surveyed were classified into Good, Fair and Poor conditions.

For both paved and gravel surfaced roads, the length of road in Good condition were 8,171.9 representing 56% of the network surveyed. 5,428.62km or 37% were in Fair condition, while those in Poor condition were 982.1km or 7% of the network surveyed.

Table 6 below shows the statistics of the whole trunk road network classification surveyed in the period under review on regional basis. The length of roads of any surface type can be obtained regionally and also from national summaries.

**Table 6: Trunk Road Network Statistics (Year 2016)**

Region	Good		Fair		Poor		Total	
	km	%	km	%	km	%	km	%
Ashanti	918.2	56%	613.4	37%	116.2	7%	1,647.8	100%
Brong Ahafo	1,138.9	57%	685.7	34%	175.5	9%	2,000.1	100%
Central	449.8	38%	614.7	51%	134.0	11%	1,198.5	100%
Eastern	795.3	51%	689.8	44%	65.8	4%	1,550.9	100%
Greater Accra	146.7	28%	328.1	63%	48.6	9%	523.4	100%
Northern	1,681.8	57%	1,035.6	35%	221.4	8%	2,938.8	100%
Upper East	446.5	76%	143.6	24%	0.0	0%	590.1	100%
Upper West	594.3	55%	479.4	45%	1.7	0%	1,075.4	100%
Volta	1,148.5	82%	241.7	17%	15.1	1%	1,405.3	100%
Western	851.9	52%	596.6	36%	203.8	12%	1,652.3	100%
<b>Total</b>	<b>8,171.9</b>	<b>56%</b>	<b>5,428.6</b>	<b>37%</b>	<b>982.1</b>	<b>7%</b>	<b>14,582.6</b>	<b>100%</b>

*Source: GHA Road Maintenance Division, September 2017*

### 1.8.1 Road Network Condition 2010-2016

The 2016 road condition report makes comparison with those of 2010 - 2015. The length of roads in good condition increased from 3,865km (29%) in 2010 to 8,171.92 (56%) in 2016. This trend predicts a linear pattern of annual increase of 4.7%. It is hoped that GHA will be able to sustain this positive trend to attain the national target of road condition mix of 70% Good, 20% Fair and 10% Poor.

**Table 7: Comparison of the Surveyed Road Surface Network Condition 2010-2016**

YEAR	GOOD		FAIR		POOR		TOTAL
	Length (km)	(%)	Length (km)	(%)	Length (km)	(%)	Length (km)
2010	3,865	29	5,841	44	3,556	27	13,262
2011	4,566	34	3,758	28	5,019	38	13,343
2012	6,184	46	4,412	33	2,882	21	13,478
2013	6,490.10	52	4,271.40	34	1,776.50	14	12,538
2014	7,128.53	52	5,452.09	39	1,256.80	9	13,837
2015	7,618.5	56.8	4,838.40	36.1	960	7.2	13,416.9
2016	8,171.92	56.0	5,428.6	37.2	982.1	6.7	14,582.62

*Source: GHA Road Maintenance Division, September 2017*

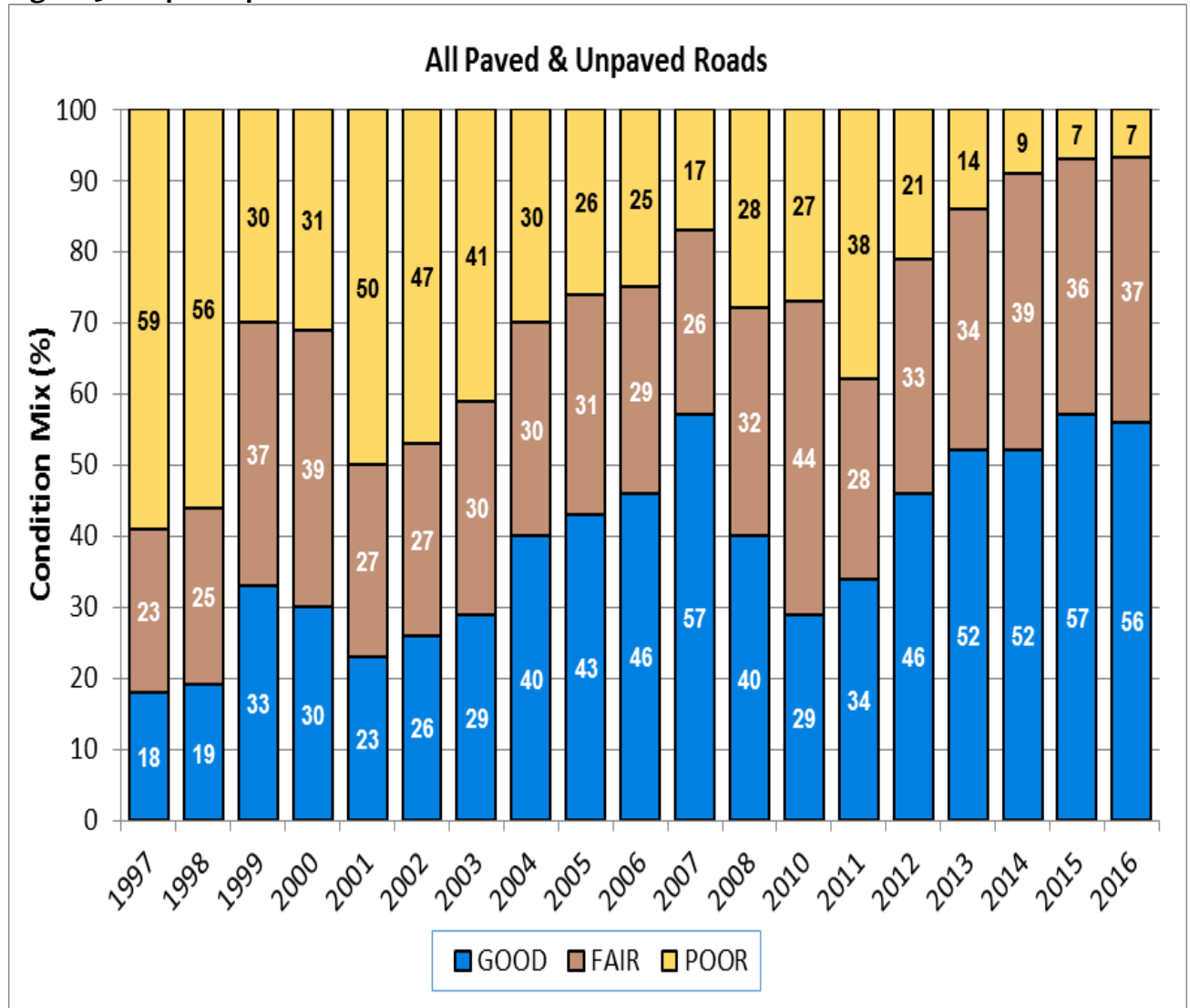
Table 8 and figure 3 show the progression of road surface condition for both paved and unpaved roads for the period 1997-2016.

**Table 8: Condition Mix of Paved & Unpaved Road Network Condition from 1997 to 2016**

YEAR	GOOD		FAIR		POOR		TOTAL	
	Km	%	Km	%	Km	%	Km	%
1997	2,512.0	18	3,210.0	23	8,233.0	59	13,955.0	100
1998	2,566.0	19	3,377.0	25	7,564.0	56	13,507.0	100
1999	4,433.0	33	4,970.0	37	4,030.0	30	13,433.0	100
2000	3,381.0	30	4,293.0	39	3,448.0	31	11,121.0	100
2001	2,726.0	23	3,152.0	27	5,984.0	50	11,850.0	100
2002	3,089.0	26	3,244.0	27	5,639.0	47	11,972.0	100
2003	3,272.0	29	3,316.0	30	4,540.0	41	11,128.0	100
2004	4,410.0	40	3,294.0	30	3,250.0	30	10,942.0	100
2005	4,739.0	42	3,510.0	31	2,928.0	26	11,177.0	100
2006	5,402.0	46	3,397.0	29	2,924.0	25	11,723.0	100
2007	6,342.0	57	2,970.0	27	1,868.0	17	11,180.0	100
2008	4,696.0	40	3,771.0	32	3,150.0	27	11,618.0	100
2010	3,865.0	29	5,841.0	44	3,556.0	27	13,263.0	100
2011	4,567.0	34	3,758.0	28	5,019.0	38	13,344.0	100
2012	6,183.5	46	4,411.8	33	2,881.9	21	13,477.0	100
2013	6,490.0	52	4,271.0	34	1,777.0	14	12,538.0	100
2014	7,492.33	52	5,643.59	39	1,262.8	9	14,398.72	100
2015	7,618.5	57	4,838.4	36	960.0	7	13,416.9	100
2016	8,171.92	56	5,428.6	37	982.1	7	14,582.62	100

**Source: GHA Road Maintenance Division, September 2017**

Figure 3: Graphical presentation of 2016 Road Condition Mix for Paved & Gravel Roads



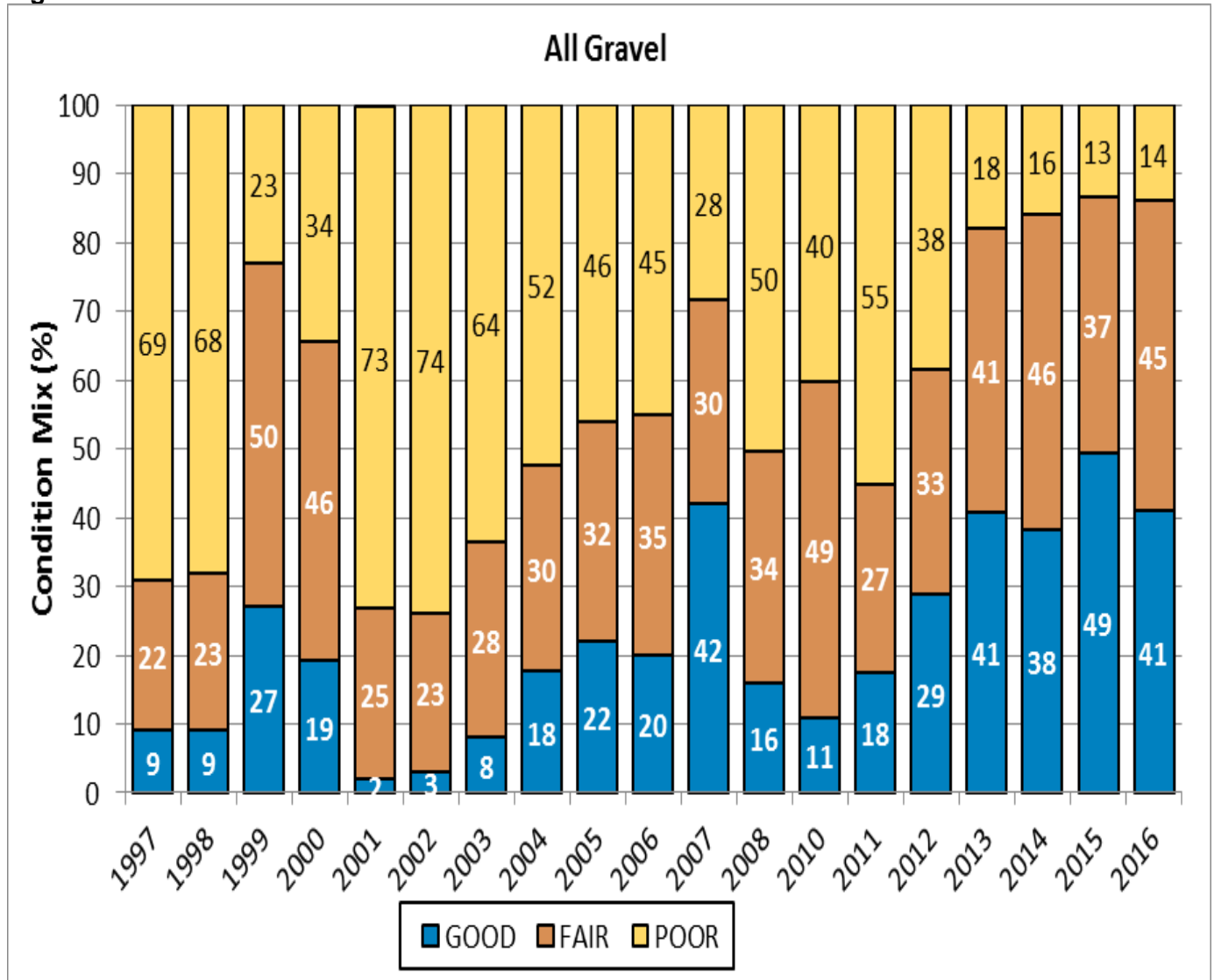
Source: GHA Road Maintenance Division, September 2017



### 1.8.2 Comparison of Gravel Roads Network Condition 1997 – 2016

Figure 4 and Table 9 show the progression of Gravel Road Network Condition from 1997 and 2016

**Figure 4: Road Condition Mix for Gravel Roads Network of 1997- 2016**



Source: GHA Road Maintenance Division, September 2017

**Table 9: Gravel Roads Network Condition from 1997 to 2016**

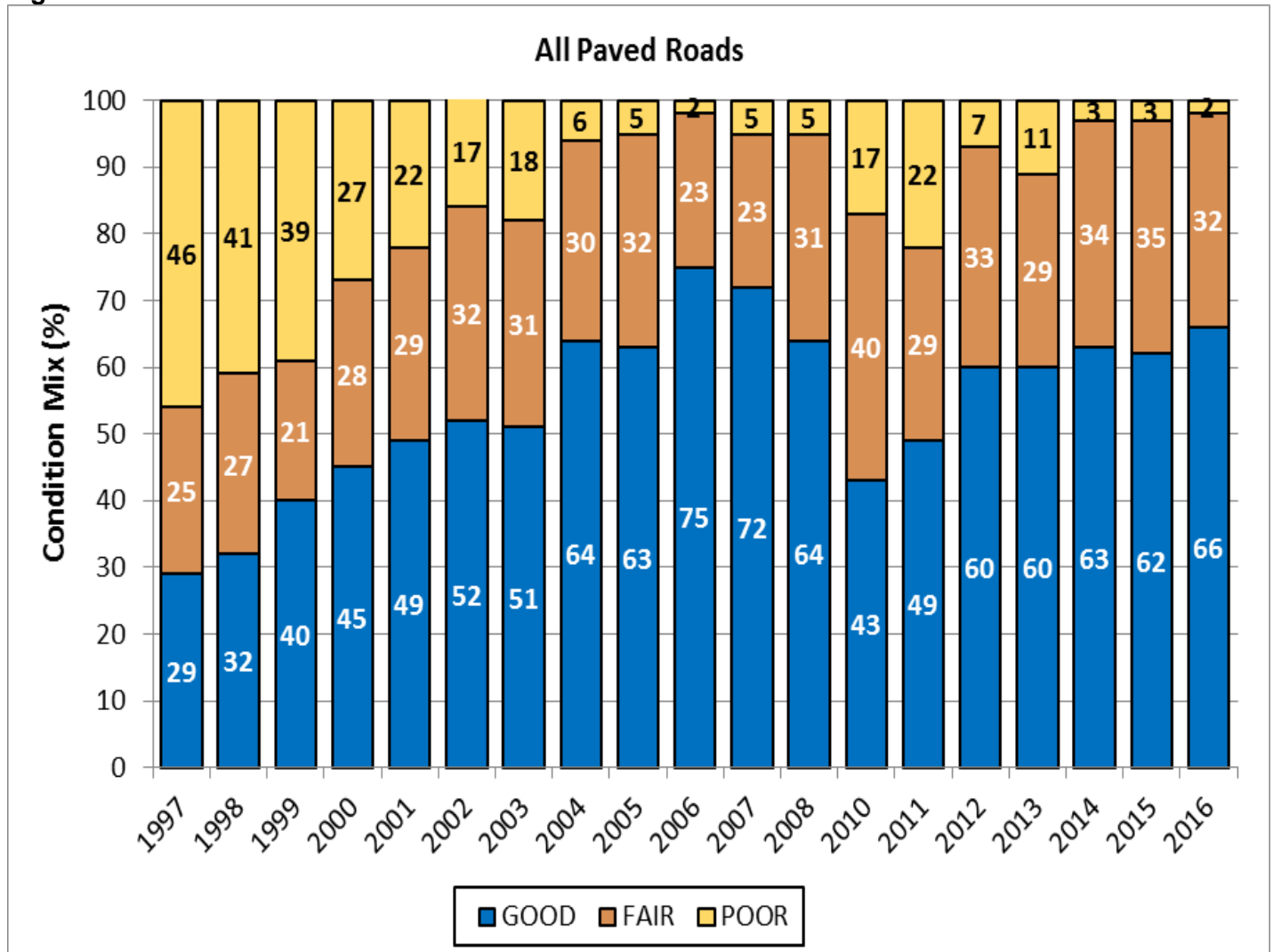
YEAR	GOOD		FAIR		POOR		TOTAL	
	Km	%	Km	%	Km	%	Km	%
1997	690.0	9	1,687.0	22	5,290.0	69	7,666.0	100
1998	672.0	9	1,716.0	23	5,075.0	68	7,463.0	100
1999	2,016.0	27	3,732.0	50	1,717.0	23	7,465.0	100
2000	1,211.0	19	2,926.0	46	2,169.0	34	6,305.0	100
2001	139.0	2	1,631.0	25	4,828.0	73	6,604.0	100
2002	198.0	3	1,468.0	23	4,717.0	74	6,383.0	100
2003	450.0	8	1,598.0	28	3,579.0	64	5,627.0	100
2004	998.0	18	1,671.0	30	2,938.0	52	5,607.0	100
2005	1,280.0	22	1,861.0	32	2,675.0	46	5,816.0	100
2006	1,191.1	20	2,123.4	35	2,784.2	46	6,098.7	100
2007	2,347.0	42	1,670.0	30	1,581.0	28	5,597.0	100
2008	894.0	16	1,911.0	34	2,841.0	50	5,646.0	100
2010	629.0	11	2,828.0	49	2,336.0	40	5,794.0	100
2011	1,088.0	18	1,696.0	27	3,410.0	55	6,194.0	100
2012	1,759.0	29	2,011.0	33	2,347.0	38	6,116.0	100
2013	2,229.0	41	2,248.0	41	980.0	18	5,457.0	100
2014	2,398.97	38	2,870.43	46	1,005.5	16	6,274.9	100
2015	2,792.6	49	2,103.4	37	759.1	13	5,655.1	100
2016	2,430.3	41	2,631.3	45	847.8	14	5,909.4	100

**Source: GHA Road Maintenance Division, September 2017**

### 1.8.3 Comparison of Paved Roads Network Condition 2010 – 2016

Table 10 and figure 5 show the progression of the condition of the Paved Road Network Condition from 1997 to 2016.

**Figure 5: Road Condition Mix for Paved Roads Network of 1997- 2016**



Source: GHA Road Maintenance Division, September 2017

**Table 10: Paved Roads Network Condition from 1997 to 2016**

YEAR	GOOD		FAIR		POOR		TOTAL	
	Km	%	Km	%	Km	%	Km	%
1997	1,824.0	29	1,572.0	25	2,893.0	46	6,289.0	100
1998	1,934.0	32	1,632.0	27	2,478.0	41	6,044.0	100
1999	2,387.0	40	1,253.0	21	2,328.0	39	5,968.0	100
2000	2,172.0	45	1,373.0	28	1,271.0	26	4,816.0	100
2001	2,581.0	49	1,516.0	29	1,149.0	22	5,246.0	100
2002	2,890.0	52	1,777.0	32	922.0	17	5,589.0	100
2003	2,822.0	51	1,711.0	31	963.0	18	5,501.0	100
2004	3,404.0	64	1,622.0	30	309.0	6	5,335.0	100
2005	3,168.0	63	1,632.0	32	253.0	5	5,361.0	100
2006	4,209.7	75	1,274.1	23	138.6	2	5,622.4	100
2007	3,995.0	72	1,302.0	23	288.0	5	5,585.0	100
2008	3,802.0	64	1,860.0	31	309.0	5	5,948.0	100
2010	3,191.0	43	3,013.0	40	1,220.0	16	7,424.0	100
2011	3,478.0	49	2,062.0	29	1,609.0	22	7,149.0	100
2012	4,386.0	60	2,401.0	33	535.0	7	7,323.0	100
2013	4,278.0	60	2,043.0	29	759.0	11	7,080.0	100
2014	5,093.36	63	2,773.16	34	257.3	3	8,123.82	100
2015	4,806.6	62	2,735.0	35	200.9	3	7,742.52	100
2016	5,741.6	66	2,797.3	32	134.3	2	8,673.22	100

**Source: GHA Road Maintenance Division, September 2017**

## CHAPTER TWO

### 2.0 ADMINISTRATION DEPARTMENT

#### 2.1 Finance Division

##### 2.1 .1 Financial Status Report

Details of the Approved Budget Ceilings for the year 2017 and the pattern of releases as at 30<sup>th</sup> September, 2017 are provided below:

ITEM DETAILS	<u>Budget Approved GH¢</u>	<u>Amount Released GH¢</u>	<u>% Released</u>
1. Compensation for Employees	26,532,466.00	17,301,494.40	65.21
2. Goods and Services	500,000.00	-	0.00
3. Investment – GOG: ABFA	96,500,000.00	16,081,270.74	16.66
CF	75,000,000.00	7,390,908.11	9.85
<b>Arrears</b>		6,192,602.24	
4. Investment - Road Fund	250,000,000.00	96,034,278.26	38.41
5. IGF - Traditional	3,503,296.00	3,398,956.44	97.02
Axle Load	4,500,000.00	3,844,691.54	85.44
6. Investment - Donor	187,560,577.00	60,696,975.93	32.36
7. Tolls operational budget	22,668,384.47	10,452,849.10	46.11

#### Arrears as at 31<sup>st</sup> Dec., 2016

Salary Related Allowances	2,231,048.10
Service Providers	<u>385,746.26</u>
	<b><u>2,616,794.36</u></b>

#### Arrears as at 30<sup>th</sup> Sept., 2017

Road Arrears: GOG	857,046,992.84
Road Fund	465,203,016.34

## **2.1.2 Recurrent Expenditure**

Details of the Approved Budget Ceilings for the year 2017 and the pattern of releases as at 30<sup>th</sup> September 2017 are provided in Table 11

## **2.1.3 Expenditure Incurred & Releases**

### **2.1.3.1 Routine Maintenance**

An amount of GH¢78,571,407.23 was outstanding for routine maintenance at 30<sup>th</sup> June, 2017. Certificate forwarded to the road fund in the third quarter, amounted to GH¢91,934,598.45, payment made by Road Fund Secretariat amounted to GH¢60,710,084.85. The outstanding certificates stood at GH¢109,795,920.83 as at 30<sup>th</sup> September, 2017.

### **2.1.3.2 Periodic Maintenance & Minor Works**

An amount of GH¢227,005,985.42 was outstanding for work done under Periodic Maintenance & Minor Works as at 30<sup>th</sup> June, 2017. The work done by Contractors during the third quarter of 2017 amounted to GH¢145,122,050.92. Payment to Contractors during the third quarter by Road Fund Secretariat amounted to GH¢21,888,834.30. The total outstanding Certificates as at 30<sup>th</sup> September, 2017 stood at GH¢350,239,202.04.

### **2.1.3.3 GHA Units / Toll Operations**

An amount of GH¢1,641,021.16 was received for MMUs and BMU works from Road Fund Secretariat during the third quarter, this bringing the total receipts to GH¢1,925,823.78 as at 30<sup>th</sup> September, 2017. GH¢5,000,000 was received for Toll operations for the third quarter of 2017. Thus bringing the total to GH¢10,452,849.00. An amount of GH¢437,631.93 was released during the third quarter for Ada ferry. An amount of GH¢1,219,178.16 was also released by the Road Fund Secretariat to GHA for Road Construction Services during the third quarter 2017.

### **2.1.3.4 Development/Capital Projects**

An amount of GH¢777,781,541.97 was outstanding as at 30<sup>th</sup> June, 2017 for GOG Funded Projects. Certificates submitted for work done as at 30<sup>th</sup> September amounted to GH¢95,954,104.71. The release made by MOF in the third quarter amounted to GH¢16,688,653.33. The total unpaid certificates as at 30<sup>th</sup> September, 2017 amounted to GH¢857,046,992.84.

## 2.1.4 Revolving Fund & Financial Position of the Fund

There was no transfer of money to the Revolving Fund during the second quarter of 2016 due to non-release of Subvention from Central Government. The Unit operated through its Internally Generated Fund.

## 2.1.5 Audited Accounts

The Financial Statement for 2016 has been submitted to the External Auditors; Asafu Adjei and Partners. The External Auditors: Asafu Adjei and Partners have submitted the 2016 Audited Financial Statement to the Board of Directors, but has been asked to incorporate Accrual Concepts into the Financial Statement.

**Table 11: Approved Budget for the Year 2017 & Releases as at 30<sup>th</sup> September 2017**

Expense Item	Budgets GH¢		Receipts/Releases GH¢			GH¢	GH¢
	Approved	Revised	1 <sup>st</sup> Quarter	2 <sup>nd</sup> Quarter	3 <sup>rd</sup> Quarter	4 <sup>th</sup> Quarter	Cum. releases
Personnel Emoluments	26,532,466		5,806,502	5,915,276.1	5,579,716.0		17,301,494
Goods and Services	500,000		-				-
							-
<b>Total</b>	<b>27,032,466</b>		<b>5,806,502</b>	<b>5,915,276</b>	<b>5,579,716</b>	<b>-</b>	<b>17,301,494</b>
<b>Development</b>							<b>-</b>
- GoG***	171,500,000				36,905,861		36,905,861
- Donor*	187,560,577		14,208,702	32,340,102	13,931,887		60,480,690
Arrears GOG as at 30th Sep 2017	857,046,993		-		-		-
<b>Total (Development)</b>	<b>359,060,577</b>		<b>14,208,702</b>	<b>32,340,102</b>	<b>50,837,748</b>	<b>-</b>	<b>97,386,551</b>
<b>Maintenance</b>							<b>-</b>
- Periodic (Road Fund)**	250,000,000		619,050.3		21,888,834.3		22,507,885
Road Fund Arrears as 30th Sep 2017	400,999,351						-
- Routine (Road Fund)	42,190,000				60,710,085		60,710,085
GHA Units			619,050	722,435	1,641,021		2,982,506
Tolls Operation Budget	22,668,384		5,452,849	-	5,000,000		10,452,849
Internal Generated Fund (IGF)	3,503,296		1,577,721				1,577,721
Axle Load & Weighing Mgt	4,500,000		1,734,079	739,561	1,498,487.88		3,972,127
<b>Total (Maintenance)</b>	<b>723,861,032</b>		<b>8,268,671</b>	<b>722,435</b>	<b>89,239,940</b>	<b>-</b>	<b>98,231,046</b>
<b>Grand Total</b>	<b>1,109,954,075</b>		<b>28,283,875</b>	<b>38,977,813</b>	<b>145,657,404</b>	<b>-</b>	<b>212,919,092</b>
* For List of Donors, please refer to Table:12							
**It includes arrears as at 31st December 2016 please refer to page 21 of the report for details							

**Source: GHA Finance Division, September 2017**

**Table 12: Summary of Funds Released 3<sup>rd</sup> Quarter 2017**

	<b>2<sup>nd</sup> Quarter Releases 2017</b>	<b>Cumulative for the Year 2017</b>
<b>Recurrent Expenditure:</b>	<b>GH¢</b>	<b>GH¢</b>
Item 1 – Compensation – Salaries & Wages	5,579,716.00	17,301,494
Item 2 – Goods & Services		
Item 3 – Salary Related Allowances		
<b>Item 4 – Investment:</b>		
Routine Maintenance	60,710,084.85	60,710,084.85
Periodic Maintenance & Minor Works	21,888,838.30	21,888,838.30
Consultancy – Road Fund/ Training		
Ferries Operation	-	
Supervision & Data Collection (Road Cond. Survey)	-	
GHA Units	1,641,021	2,982,506
Tolls Operation	5000,000	10,452,849
Axle Load and weighing Management	1,498,487.88	3,972,127
Compensation		
<b>Capital/Investment</b>		
GOG Release (both current & arrears)	36,905,861.03	36,905,861.03
	<b>\$</b>	<b>\$</b>
DONOR: EU	0	4,975,406.68
AfDB	0	3,155,874.34
TSP	1,612,671.00	4,208,923.00
ALTTFP	1,583,229.00	1,583,229.00
<b>Total Donor Payments in US\$</b>		<b>13,923,433.02</b>

**Exchange Rate \$ 1 = GH¢ 4.3593 Source: GHA Finance Division, September 2017**



## 2.1.7 Revenue from Tolls

### 2.1.7.1 Road and Bridges Tolls

Total revenue accrued from tolls excluding ferries as at 30<sup>th</sup> September, 2017 was GH¢50,056,121.38. This represented 5.77% increase as compared to the amount of GH¢47,324,068.04 collected for the same period as at 30<sup>th</sup> September, 2016.

The recorded net increase of GH¢2,732,052.34 was due to the cash collection exercise at some of the Toll stations as well as monitoring activities and increase in vehicular traffic.

**Table 13: Comparative Revenue Performance Table for Manual & Automated Stations as at September (2016 & 2017)**

Toll Revenue Type	As at 30 <sup>th</sup> September, 2017 GH¢	As at 30 <sup>th</sup> September, 2016 GH¢	Increase/Decrease GH¢
Toll Revenue from Roads and Bridges	50,056,121.38	47,324,067.04	2,732,053.34
Toll Revenue from Ada Ferry	0.00	43,788.50	(43,788.50)
<b>Total</b>	<b>50,056,121.38</b>	<b>47,367,856.54</b>	<b>2,688,264.84</b>

*Source: GHA Finance Division September 2017*

**Table 14: Comparative Toll Revenue Performance (Actual and Budget, 2017 & 2016)**

Toll Revenue Type	Budget as at 30 <sup>th</sup> Sept., 2017 GH¢	Actual Collection, as at 30 <sup>th</sup> Sept., 2017 GH¢	Percentage Achieved, as at 30 <sup>th</sup> Sept., 2017 %	Actual Collection, as at 30 <sup>th</sup> Sept., 2016 GH¢
Revenue from manual toll stations	41,302,602.00	39,016,234.98	94.46	37,298,716.64
Revenue from Ada Ferry	84,000.00	0.00	0.00	43,788.50
<b>SUB-TOTAL</b>	<b>41,386,602.00</b>	<b>39,016,234.98</b>	<b>94.27</b>	<b>37,342,505.14</b>
Revenue from automated toll stations	11,421,000.00	11,039,886.40	96.66	10,025,351.40
<b>GRAND TOTAL</b>	<b>52,807,602.00</b>	<b>50,056,121.38</b>	<b>94.79</b>	<b>47,367,856.54</b>

*Source: GHA Finance Division September 2017*

## 2.2 Human Resource Division

The Human Resources Division has the responsibility for the key practice areas of **human resource planning & evaluation, rewards, employee relations** and **motivation** to help achieve the corporate goals of the organisation.

### 2.2.1 Human Resources Planning & Evaluation

As at 30<sup>th</sup> September, 2017, staff strength of the Authority stood at **1,314** against an Establishment of 2,529. This comprised 645 being 49% Senior Staff and 669 being 51% Junior Staff as shown in the Table 15 below; Table 16 also shows the age group distribution.

**Table 15: Human Resource Strength – GHA Staff Structure as of 30<sup>th</sup> September, 2017**

GHA HUMAN RESOURCE STRENGTH - STAFF STRUCTURE- 30TH SEPTEMBER, 2017																	
DESCRIPTION OF	ESTMT	ACTUAL	VACANCY	HQ	GAR	VR	ER	CR	WR	ASH	BAR	NR	UER	UWR	MMU	BMU	MRH
OCCUPATION		STRENGTH													I&I		
TOP EXECUTIVES	4	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0
DIRECTORS	27	28	-1	16	1	1	1	1	1	1	1	1	1	1	1	0	0
ENGINEERS (FROM ASSIST. ENGR. TO CHIEF ENGR.)	172	149	23	90	3	5	7	6	6	6	6	7	4	4	2	3	
OTHER PROFESSIONAL STAFF	87	59	28	34	3	3	3	3	1	4	2	2	1	3	0	0	
ADMIN'TIVE AND OTHER MANAGERIAL STAFF	481	195	286	100	8	8	10	10	5	13	6	6	8	8	7	4	2
TECHNICIAN ENGINEER STAFF	175	109	66	43	3	3	7	5	10	4	6	5	7	9	4	3	
TECHNICAL AND SUPERVISORY STAFF (I)	162	81	81	32	4	2	5	7	7	5	6	5	1	2	3	1	1
WORKS SUPERINTENDENTS	0	22	-22	9	0	1	4	2	1	1	1	1	0	0	1	1	
SENIOR STAFF	1108	645	463	326	22	23	37	34	31	34	28	27	22	27	17	12	5
TECHNICAL AND SUPERVISORY STAFF (II)	167	64	103	8	3	5	3	7	6	5	11	7	2	5	2	0	
FOREMEN	0	4	-4	4	0	0	0	0	0	0	0	0	0	0	0	0	
ROAD OVERSEERS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CLERICAL STAFF	219	89	130	24	4	3	12	8	8	10	6	7	3	3	1	0	
SKILLED WORKERS	483	224	259	61	10	7	11	9	17	23	10	13	6	7	32	18	
SEMI-SKILLED	552	288	264	85	8	17	31	20	9	22	18	21	13	18	16	10	
TRAINEES / APPRENTICES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
JUNIOR STAFF	1421	669	752	182	25	32	57	44	40	60	45	48	24	33	51	28	0
GRAND TOTAL	2529	1314	1215	585	47	55	94	78	71	94	73	75	46	60	68	40	5
TECH. & SUPERVISORY STAFF (I) = (SNR.TEC.OFFR. TO CHF.TEC.OFFR.)																	
TECH.& SUPERVISORY STAFF (II) = (TEC.OFFR GDII & TEC.OFFR GDI)																	

*Source: GHA Human Resource Division, September 2017*

**Table 16: Age Group Distribution – Whole of GHA 30<sup>th</sup> September 2017**

AGE GROUP DISTRIBUTION OF ALL GHA STAFF-SEPTEMBER -2017							
OCCUPATION CATEGORY	55 AND ABOVE	50-54	45-49	40-44	35-39	4 AND BELOW	TOTAL
ADM./ OTHER MANAGERIAL STAFF	68	35	11	13	32	36	195
CLERICAL STAFF	35	11	0	1	4	38	89
ENGINEERS	29	32	10	12	32	64	179
FOREMAN/CHARGEMAN	0	1	0	0	1	2	4
OTHER PROFESSIONAL STAFF	12	8	9	6	12	12	59
SEMI-SKILLED STAFF	88	46	20	39	44	51	288
SKILLED WORKERS	74	50	19	30	24	27	224
SUPERINTENDENT	15	7	0	0	0	0	22
TECH.& SUPERVISORY STAFF (I)	26	16	3	6	17	13	81
TECH.& SUPERVISORY STAFF (II)	0	0	1	4	9	50	64
TECHNICIAN ENGINEER STAFF	25	21	5	14	21	23	109
	<b>372</b>	<b>227</b>	<b>78</b>	<b>125</b>	<b>196</b>	<b>316</b>	<b>1314</b>

*Source: GHA Human Resource Division, September 2017*

### 2.2.2 Staff Promotion

In the third quarter of 2017, the Human Resources Division promoted Sixty-Six staff with and without interview for various categories of job positions. Twenty-Six out of the number were Senior Staff and forty were Junior Staff, Three officers out of the junior staff category were promoted to Senior Grade.

### 2.2.3 Labour Turn Over

Thirty-Seven members of staff proceeded on compulsory and voluntary retirements during the Third quarter. Total exits (including retirements, deaths, resignations and dismissals.) for the period 1<sup>st</sup> July 2017 to September, 30<sup>th</sup>, 2017 stood at 43.

Details of staff exits are shown in the Table 17 below.

**Table 17: Labour Turn Over**

Exits	Senior Staff	Junior Staff	Total
Retirement	9	28	<b>37</b>
Resignation	0	0	<b>0</b>
Deaths	0	6	<b>6</b>
Dismissals	0	0	<b>0</b>
Vacation of Post	0	0	<b>0</b>

*Source: GHA Human Resource Division, September 2017*

## 2.3 Internal Audit Division

The Division made available to management various reviews, recommendations and undertook a series of control activities during the third quarter of 2017. Table 18 below shows details of some of the key activities undertaken by the Division in the period under review and their status.

**Table 18: Details of Some Audit Activities Carried in 3<sup>rd</sup> Quarter 2017**

No.	ACTIVITY DESCRIPTION	STATUS
1.	Review of Rehabilitation of Agona junction-Elubo Road (lot 1:km 0-30) (IPC NO 20) Western region	Completed
2.	Pre- Audit - Rehabilitation of Ayamfuri-Asawinso (Ayamfuri-New Obuasi) Lot 1 IPC NO 22A	Completed
3.	Pre –Audit - Rehabilitation of Ayamfuri—Asawinso (Ayamuri- New Obuasi) (Lot 2) IPC No. 30	Completed
4.	Pre–Audit - Rehabilitation of Ayamfuri—Asawinso (Ayamuri- New Obuasi) (Lot 2) IPC No. 27A	Completed
5.	Construction of Ho -Fume Road (KM 0+00-7+000) AND (KM 28+700-40+100) IPC No. 28	On - going
6.	Review of Rehabilitation of Tarkwa - Bogoso - Ayamfuri Road IPC No. 49	On - going
7.	Review of Construction of Oil and Gas Enclave Roads (construction of 10.0 Km Road along the Pipeline including the Amanzure Bridge) IPC No. 12	On - going
8.	Pre –Audit of Rehabilitation of Agona Junction – Elubo Road (LOT 2: km 30 – 80) IPC NO. 23	On -going
9.	Pre–Audit - Review of Rehabilitation of Agona Junction – Elubo Road (LOT 2: km 30 – 80) IPC No. 22A	On - going
10.	Pre –Audit - Rehabilitation of Ayamfuri—Asawinso (Ayamfuri- New Obuasi) (Lot 2) IPC No. 25	On - going
11.	Review of Construction of Wa-Han Road(30km) Lot 1 IPC No. 19a	On – going
12.	Toll Revenue Monitoring Audit at Ashaiman Plaza and Tema Plaza	Completed
13.	Axle Load Audit (Western Region)	Completed
14.	Review of Stores record for January 2016- March 2017	On -going
15.	Pre – Audit of Mutual Savings & Credit Fund	On -going
16.	Pre- Audit ; Promotion, interdiction and compulsory retirement inputs at the head office	On -going
17.	Audit of compensation payments	On -going
18.	Examination of payment vouchers, Internally Generated Fund (IGF) January, 2015 -June, 2015	On -going

19.	Review of Monthly Expenditure Returns (2017) - <b>Northern Region</b> (Jan. , March, April and May) <b>Ashanti Region</b> (February May- August), <b>Brong Ahafo Region</b> (February& July), <b>Upper East Region</b> (June), <b>Upper West Region</b> (July)	Completed
20.	Examination of General Ledger Payment Vouchers; January, 2015 –December, 2015	Completed
21.	Review of Monthly Expenditure Returns: (2017) <ul style="list-style-type: none"> <li>• Western and Central Regions (January – March)</li> <li>• Central Region (February –March)</li> <li>• Greater Accra (December 2016- Sept. 2017).</li> <li>• Eastern and Volta Regions (June- Sept.)</li> <li>• MMUII and BMU (June- August)</li> </ul>	Completed
22.	Audit of Store G, Tyres store and Oil & lubricant store for the period November 2016 - March, 2017	On-going
23.	Human Resource Audit ( Central Mechanical Workshop) for the period January 2016 – December 2016	On- going

**Source: GHA Internal Audit Division, September 2017**

## 2.4 Legal Services Division

These civil cases received attention in Court during the year under review. Their status are set out in Table 19 below:

**Table 19: Court Cases involving the Authority**

	TITLE	COURT	SUBJECT	REMARKS
1	Otinshie Land Case Nuumo Adjei Kwankwo Vrs GHA ORS	High Court, Accra	Trespass	Pending
2	Gotourism Vrs GHA	High Court, Accra	Trespass	The parties have completed their evidence in chief and have filed their respective addresses awaiting judgement.
3	Wisdom Awuku & Boadi Acheampong VRS GHA	Fast Track High Court, Accra	Alleged wrongful dismissal	Appeal to the Supreme Court by the Plaintiffs is still pending
4	Togbe Lugu Awadali Vrs GHA	High Court – Ho	Compensation	Dormant
5	William Sarpong Vrs GHA	High Court, Kumasi	Compensation	Dormant
6	James Manu Vrs GHA	High Court, Kumasi	Compensation	Still Pending
7	JoeMersa Co. Ltd. Vrs GHA	High Court, Commercial Division, Sunyani	Damages for wrongful termination of contract	Dormant
8	Carl Josiah Reindorf & Others Vrs 1. Attorney General 2. GHA	High Court, Accra	Compensation	Plaintiff's application dismissed
9	Long Life Confectionery Vrs. Ltd 1. Attorney General 2. GHA 3. China Railway Corp.	High Court, Accra	Compensation	Hearing to start this quarter/ term (2017/ 2018)
10	Rapheal Cubagee Vrs GHA & Others	High Court Sunyani	Demand fo Withholding Tax Deducted	Dormant
11	Esther Boye Boateng Vrs 1. Joyce Ashong 2. GHA	High Court Koforidua	Compensation	Still Pending
12	Zenith Bank Ltd. Vrs 1. K.D.V Lexicon Ltd. 2. GHA	High Court Commercial Div. Accra	Demand for money allegedly wrongfully paid to the 1st Defendant by the Authority	Dormant
13	Nicholas Mamphi Nyantey & Lydia Oppong Vrs. 1. Armah Ashitey 2. GHA	High Court Koforidua	This is an accident case and the Plaintiffs who were affected persons sued the Authority and its driver	Claimant/ Plaintiff have still not been compensated by the GHA.
14	Kwesi Attah Vrs 1.Kingsley Kwakye 2. Sowah Adjetey 3. GHA	High Court Koforidua	This is an accident case and the Plaintiff who was an affected person sued the Authority and its driver among others.	The Claimant/ Plaintiff has still not been compensated by the GHA.
15	1. Mrs. Florence N. Agyeman 2.Mr. Charles Agyeman Vrs 1.ECG 2.AARSELF Gh. JV 3.Dopel Engr Ltd. 4.GHA	High Court Kumasi	Plaintiff first sued the first 3 Defendants and later joined the Authority for Court to compel Defendants rebuild or pay current value of their house and replace family belongings and jewellery that got burnt by fire during the relocation of E.C.G. lines along the Kumasi –Konongo Road.	Plaintiff to furnish GHA with further and better title over property to enable processing of compensation
16	Weightron International Ltd. Vrs GHA & Others	Fast Track High Court, Accra	Plaintiff sued the Authority to recover money for weighbridge Equipment supplied, installed and serviced by Plaintiff. Principal sum paid to Plaintiff leaving interest payment to be negotiated.	Judgement was delivered and Plaintiff was paid interest as directed by Court

17	Elvis Kwaku Agyeman Badu Vrs. GHA	High Court (Labour Division) Accra	Plaintiff sued the Authority for the payments of outstanding salaries and benefits up to his retirement date – 1 <sup>st</sup>	The case is pending/ Dormant
18	Mercy Kabuki Tetteh (Nee Akrofi) Vrs GHA	High Court (Labour Division) Accra	The Plaintiff claimed that she was compulsorily retired by the Authority even though she has not yet reached the compulsory retirement age of 60 years.	Appeal process in progress.
19	1.Amoako Ababio & Co. 2.Valuation Dev. Service Vrs GHA	Fast Track High Court, Accra	Writ filed by Plaintiffs to recover from the Authority proposal fees for a Valuation exercise for clients which the GHA failed to	The case is pending
20	Douglas Carl Botwea Vrs G	High Court Commercial, Kumasi	claiming payment of compensation due him for the destruction of his 2No. properties during the construction of the Kumasi – Konongo Road.	GHA has also finished its evidence in Chief and is awaiting judgement.
21	Greatest Moment Ventures & Others Vrs GHA & Others	High Court, Accra	Plaintiffs claim that construction of the West Hill Mall at Dunkonaa has affected their business operations therefore sued for damages for loss of business.	The case is still dormant.
22	<b>Ghana Federation of the Disabled Vrs Attorney General, GHA, Millennium Development Authority</b>	<b>High Court, Human Rights Division Accra</b>	It would be recalled that the Plaintiff sued in relation to the Tetteh Quarshie – Mallam Highway. It claimed that the interest of the Disabled was not catered for in that adequate safety measures were not put in place for them.	Outstanding concerns of Plaintiff addressed. Terms of settlement are yet to be filed.
23	<b>Salifu Abdulai and Others</b>	<b>High Court, Fast Track Division Accra</b>	It would be recalled that this was an accident case which happened at the Nsawam By-Pass when it was still under construction. A driver and his assistant driver died when their articulated vehicle hit a road block on the By-Pass and somersaulted. The Plaintiffs who include the owner of the articulated vehicle and relatives of the deceased drivers sued for the value of the articulated vehicle and compensation for the deceased drivers.	The Authority has paid the GH¢412,000.00 to Plaintiff as full and final settlement of the judgement debt.
24	<b>Green Agricultural Farms Ltd Vrs Frimps Oil Co. Ltd., GHA</b>	<b>High Court, Land Division</b>	It would be recalled that this case related to land situate at Mile 8 on the Accra Winneba Road. The Plaintiff claim that a public bus terminal located very near to the entrance of 1 <sup>st</sup> Defendant filling station was being relocated by the Defendants on Plaintiff's land without the Plaintiff consent	The case had become dormant.
25	<b>Edward Kobblah Penu Vrs Millennium Development Authority, GHA</b>	<b>High Court Human Rights Division, Accra</b>	It would be recalled that this case related to the Tetteh Quarshie Mallam Highway. It is a claim for compensation for properties affected by the project. The Plaintiff has furnished a copy of his Property's Valuation Report to the Authority and the Land Valuation for vetting and approval to enable the matter to be settled amicably out of court.	The LVD of the LC has been ordered to come to Court and report on the status of the Valuation Approval.



26	<b>1. Max Glover Vrs Glo &amp; G</b>	<b>High Court, Denu</b>	The Authority gave authorization to Glo Ghana Limited to lay Fibre Optic Cables within the Right of Way of the Ho – Denu Highway. The Plaintiff claimed that the cables so laid had passed through his private land hence the suit. At the instance of the Court parties went on to the land in dispute and measurements taken to determine the extent of encroachments. The report of the exercise showed that there was no encroachment at all and only some food crops belonging to the Plaintiff were destroyed in the process of laying the cables. These were valued and the appropriate compensations duly paid to settle the matter.	Plaintiff has been compensated for crops damaged. The case is pending awaiting the Court's final determination. Dormant.
27	<b>Top Oil Vrs 1. Alhaji Yussif</b>	<b>High Court (Land Division)</b>	The Defendant Alhaji Yussif sued the Authority by a counter claim for the wrongful payment of compensation money	The case is pending
28	<b>Nana Kofi Arkessi II &amp; 131 others Vrs GHA Attorney Generals Dept. Jynes Const. Co.</b>	<b>High Court, Sekondi Takoradi</b>	Plaintiffs sued for an injunction to restrain Defendants in relation to the development of the Agona Junction-Elubo Road Project Lot I in the Ahanta West and Axim East in the Western Region unless they were duly compensated.	Plaintiffs received their compensation payments.
29	<b>Japan Motors Trading Co. Ltd Vrs GHA</b>	<b>High Court (Commercial Division)</b>	The Plaintiff sued for an Order to direct the Authority to pay an amount of ₦27,612,692. 00 million Japanese Yen being the contract sum for the supply of two water tankers due them.	Plaintiff demand for payments of interest on the principal amount already paid is being negotiated for final payments.
30	<b>1. John Benyawoh, Samuel Kwodwo Idan Vrs GHA, Attorney General China Hena Company</b>	<b>High Court, Takoradi</b>	Plaintiffs sued for an injunction to restrain Defendants in relation to the development of the Agona Junction-Elubo Road Project Lot II in the Ahanta West and Axim East in the Western Region unless they were duly compensated.	Plaintiff have all received compensation payment upon release of fund by MOF.
31	<b>Nyagsi Engineers Ltd. Vrs</b>	<b>High Court, Commercial Division – Accra</b>	Plaintiff sued the Authority for breach of contract.	GHA has filed its address pending Judgement.
32	<b>Aduana Dawurampong Stool of Assin Atadanso Vrs GHA</b>	<b>High Court, Fast Track Division – Accra</b>	Plaintiff sued the Authority for the recovery of GH¢668,958.43 for value of gravel and other soil material won from Plaintiff's	The case was pending.
33	<b>Ben Sevor Vrs GHA &amp; Oth</b>	<b>High Court, Accra</b>	Plaintiff sued the Authority for a declaration that all the Defendants were endangering the human lives including Plaintiff's for not attending to potholes created on the Accra – Ho trunk road at Mampong Shai Street junction.	The case is pending.

34	<b>Nana Adu Agyei Bonse II Ohene of Old Akra Vrs GHA</b>	<b>High Court, Koforidua</b>	Plaintiff sued the Authority for an Order by Court to compel the Authority to give them a fair and reasonable portion of the proceeds arising from the operations of the Pontoon Services from Old Akra to Senchi and also for the Authority to file in Court the accounts of proceeds arising out of the Pontoon Services.	The case is pending.
35	<b>Mrs. Cecilia Buah Blankson Vrs. 1. GHA 2. Managing Director (Mawums Co. Ltd.)</b>	<b>High Court, Cape Coast</b>	The Plaintiff sued the Defendants jointly and severally for damages caused by the poor construction of Drainage in front of her guest house which had allegedly resulted in flooding of her guest house anytime it rains.	The case is ongoing. Plaintiff has become a nuisance towards an amicable settlement of the case.
36	<b>Sydney t. Danso Ladans</b>	<b>High Court, General Jurisdiction, Accra.</b>	Plaintiffs sued the Authority claiming claiming cost of medical and related expenses as well as damages for an accident at Islamic High School near Okurasi Junction, Suhum.	Case pending, GHA has filed appearance and defence.
37	<b>Edward Afful</b>	<b>High Court, Koforidua.</b>	Plaintiff sued for trespass to his land, an order for valuation of land and assessment of damages and payment of compensation.	Plaintiff directed by Court to furnish title on land to facilitate processing of claim.
38	<b>Ebusuapanyin Kingsly Quayson Vrs GHA</b>	<b>High Court, Cape Coast.</b>	Plaintiff sued for declaration of title to land asutting Cape Coast - Takoradi Road which he alleges to be trespassed on by the Defendants by laying pipelines without authorization.	GHA was joined to the case at the instance of which Ghana Water Company Limited.
39	<b>Nsuta Stool Vrs GHA</b>	<b>High Court, Kumasi</b>	Plaintiff sued for recovery of land which GHA has a Road Camp. Because GHA has not performed the necessary customary function in recognition of Plaintiffs ownership.	Plaintiff are being engaged by GHA to regularize ownership.
40	<b>Yaw Aboagye Vrs GHA</b>	<b>High Court, Accra.</b>	Plaintiff sued for payment of compensation to property affected by the Achimota - Ofankor Road project.	Plaintiff paid compensation. Case abandoned.
41	<b>Madam Benedicta Awoa Anibea Vrs Ghana Highway Authority</b>	<b>High Court, Koforidua</b>	Plaintiff sued for the disclosure of total amount of compensation paid to 3rd, 4th, 5th and 6th Defendants and an order for the Defendants to account for all monies received and pay reasonable proportion of the monies recieved by the 3rd, 4th, 5th and 6th	The case is pending
42	<b>Quarcoo Tetteh Vrs 1. China Railway (WUJU) Group Corporation 2. Ghana Highway Authority</b>	<b>High Court, General Jurisdiction, Accra.</b>	Plaintiff sued the Authority for damages for the destruction of his fish pond and stock of fish, loss of office equipments and household property and for the loss of revenue from the recreational centre estimated at about GH¢100,000.00	Case Hearing to start 8th January 2018 to 12th January, 2018.

**Source: GHA Legal Division September 2017**

## **2.5 Management Information Systems Division**

### **2.5.1 In-house Activities**

The Division continued its function of providing overall co-ordination and supervision of the Authority's data operations, computer systems, networking and hardware services.

The training of staff on the use of computer and other related equipment has been an on-going process.

The technical team of the division continued their routine visits to the toll booths namely Kasoa, Ashiaman and Accra-Tema motorway and did routine maintenance on the equipment in the toll booths.

#### **2.5.1.1 Backup for Ashanti and Brong Ahafo Regions**

A team from Head Office visited these two regional offices and configured backup systems for staff to periodically save their documents on the local server. The goal is to replicate this system in all regional offices so that official data can be consolidated and stored in the cloud for the purposes of disaster recovery.

### **2.5.2 Toll operations**

The technical team of the MIS Division continued with their visits to the toll Plazas namely; Kasoa, Ashiaman and Accra End and Tema End of the motorway and provided technical assistance that they needed including servicing of computers, thermal printers, digital counters and cameras.

A team also visited Sekyere and Pobiman toll booths to collect data for the design of the LAN topology for network connectivity.

#### **2.5.2.1 Deployment of Tolls Software**

The Computer Science Department of the University of Ghana was contracted to develop Tolls Operation Software for the Automation of Toll Collection for four (4) Toll Plazas namely; Accra, Tema, Ashiaman and Kasoa, all in the Greater Accra Region. The deployment of the Software started in December, 2016.

The Software which was developed by the Consultant has three (3) main components namely; toll administrative software, toll operation software and back office software.

This will minimize paper work, streamline administrative procedures and create a real time system that will provide greater efficiency and administration.

The system will allow users to:-

- Manage the application process for e-cards
- Allow users to be able to apply on-line for e-cards
- Enable administrative approval to be given to applications
- Be able to print e-cards with the required security features
- Store and retrieve relevant information with ease

The production of e-cards will enable motorists buy the cards for a particular period of time. Motorists would not have to stop at the motorway to pay physical cash, and this would ease traffic congestion.

The initial software for the tolls has seen continuous improvement. There has also been a continuous improvement of the software through the addition of desirable features such as RFIS card status verification, instant card renewal and replacement.

CCTV cameras have been installed with its peripheral devices to record activities in and around the toll plazas. A link has also been established to GHA Head Office for live monitoring. A team was put together to trouble shoot the barrier gates to make sure that they were working.

Also various reporting formats have been added to help the Tolls Manager.

#### **2.5.2.2 Point of Sale Machine (POS)**

The Authority contracted a Company to gradually replace the manual ticket system with a Point of Sale (POS) machine which will enable the monitoring of sales and the total amount collected by each operator during each shift.

Currently, the POS has been deployed at four (4) toll stations namely, Ayi Mensah, Dodowa, Tsipoli and Afienya Toll stations.

A requirement specification document has been completed and submitted to the Stores Division for the preparation of tenders towards the procurement and installation of additional POS devices at other stations.

#### **2.5.3 GHA Website Redesign and Development**

Ghana Highway Authority is in the process of redesigning its website into a modern and professional online platform to provide various online services and up to date information about its operations and activities to stakeholders and the general public.

The objective of this project is to redesign and develop the GHA's website into a modern and professional website which will be:-

- Functional
- Dynamic
- User friendly
- Visually appealing
- Have better search engine visibility
- Have integration with social media
- Address various stakeholders needs

GHA has opened a hosting account with NITA (National Information Technology Agency). The site is currently been hosted but not accessible to the general public yet. Testing and updating is still an ongoing process.

#### **2.5.4 E-Workspace Project by NITA**

The e-Government Phase II Applications Project also Known as “e-Workspace Project” forms part of a scale-up on the existing infrastructure delivered under the first phase of the e-

Government Project. NITA is the implementing arm of the Ministry of Communications (MOC) for the projects which is expected to be deployed to 102 Government Organizations including all Government Ministries.

The e-workspace project includes:

- Intranet Portal
- Meeting Management System (MMS)
- Document Management System (DMS)
- Correspondence Management System (CMS)
- Unified Communications (UC)

NITA invited GHA to a breakfast session in July to deliberate on ways to provide better services for effective and efficient use of ICT across Government organizations.

The Minister for Communications stated in her keynote address that government could achieve its vision of transforming Ghana through Information Communication Technology (ICT). She said it was mandatory for all government Institutions to use their corporate mail in sending information to other governmental Institutions.

Based on this directive, the Director of MIS visited two regions namely; Upper East and Northern to give them tutorials on the usage of the corporate email.

## 2.6 Public Affairs Division

### Advertisement / Announcement

Seven adverts were carried out as follows;

- ✚ Invitation to Tender for the Rehabilitation of Benchema-Adwufia Road (39km)
- ✚ Request for Proposals: Private Management of GHA Weighbridge Stations
- ✚ Addendum (Extension of Submission Deadline): Request for Proposal
- ✚ Load Restriction on the Buipe and Yapei Bridges on the Kintampo-Tamale Road (N10 Highway)
- ✚ Disposal of Unserviceable Vehicles and Equipment: Auction Time Table.
- ✚ Invitation for Bids: Routine Maintenance of Trunk Roads (Pothole Patching on Sealed Roads)
- ✚ Upgrading of the Accra-Tema Motorway Project on Public Private Partnership (PPP) Basis

### Press Activities/Engagement

- ✚ The inauguration of Tema Motorway Road about
- ✚ Interview on TV3 on the Load Restriction on the Buipe and Yapei Bridges
- ✚ Interview on GHone on the potholes and lightening system on the Accra-Tema Motorway

## 2.7 Training & Development Division

A summary of the training and development program for the year 2017 is presented in Table 20. The details of various programs that were organised during the quarter is also shown in Table 21.

**Table 20: Training & Development Program for the Year 2017**

CATEGORY	ACTIVITY	LOCATI	NO. OF STAFF TO BE TRAINED IN THE YEAR	NO. TRAINED IN 1ST QUARTER	NO. TRAINED IN 2ND QUARTER	NO. TRAINED IN 3RD QUARTER	NO. TRAINED IN 4TH QUARTER	REASONS FOR ACHIEVEMENT	CATEGORY	ACTIVITY
<b>MGT. LEVEL</b>	Seminar/Conference/Workshop	Foreign	2	0	0				<b>MGT. LEVEL</b>	Seminar/Conference/Workshop
	Fellowship	Foreign	0	0	0					Fellowship
	Seminar/Conference/Workshop/ (In-house)	Local	40	2	9			2017 Board, CEO and CAE Governance Workshop of the African Federation of the Institutes of Internal Auditors - Kempinski Hotel, Accra - 4th African Federation of Institutes of Internal Auditors (AFIA), Training in Microsoft Excel, Word and Outlook - MIS Training Room		Seminar/Conference/Workshop/ (In-house)
	Local Institution	Local	20	0	0					Local Institution
<b>MIDDLE LEVEL</b>	Seminar/Conference/Workshop	Foreign	5	0	0				<b>MIDDLE LEVEL</b>	Seminar/Conference/Workshop
	Higher Level Training	Foreign	2	0	0					Higher Level Training
	Fellowship	Foreign	6		0					Fellowship
	Seminar/Conference/Workshop (In-house)	Local	266	21	75			Certified HR Management Professional Course, University of Professional Studies, Accra - Slope Monitoring Workshop, Holiday Inn, Accra - 4th African Federation of Institutes of Internal Auditors (AFIA), Movenpick Hotel, Accra- Training in Microsoft Excel, Word and Outlook - MIS Training Office		Seminar/Conference/Workshop (In-house)
	Higher Level Training (MSc/MBA)	Local	7	5	0			MSc in Road and Transportation Engineering-KNUST, MSc Structural Engineering - KNUST, MBA in Accounting and Finance, UPSA		Higher Level Training (MSc/MBA)
	HND/BSc. Prog	Local	4	4	0			BBA in Business Administration - Methodist University College, Bachelor of Commerce - University of Cape Coast, BSc Information Technology - Ghana Technology University College, Accra		HND/BSc. Programme
	Local Institution	Local	50	0	0					Local Institution
<b>JUNIOR STAFF</b>	HND/BSc. Prog	Local	4	0	0				<b>JUNIOR STAFF</b>	HND/BSc. Programmes
	Seminar/Wkshop/ In-house	Local	80	0	9			Training in Microsoft Excel, Word and Outlook - MIS Training Office		Seminar/Wkshop/ In-house
<b>TOTAL</b>			<b>486</b>	<b>32</b>	<b>93</b>					

**Source: GHA Training & Development Division September 2017**

**Table 21: Training & Development Program organized in the 3<sup>rd</sup> Quarter of 2017**

NO	LOCATION	COURSE TITLE	NO. OF PARTICIPANTS	LEVEL	COUNTRY/ VENUE
1	LOCAL	2017 Board, CEO and CAE Governance Workshop of the African Federation of the Institutes of Internal Auditors Conference	5	Mgt.	Kempinski Hotel
2	LOCAL	4th African Federation of Institutes of Internal Auditors (AFIIA) International Conference	1	Mgt.	Movenpick Hotel, Accra
3	LOCAL	Training in Microsoft Excel, Word and Outlook	3	Mgt.	MIS Training Room
4	LOCAL	Certified HR Management Professional Course	2	Middle	University of Professional Studies (UPSA)
5	LOCAL	Slope Monitoring Workshop	4	Middle	Holiday Inn, Accra
6	LOCAL	Training in Microsoft Excel, Word and Outlook	66	Middle	MIS Training Room
7	LOCAL	4th African Federation of Institutes of Internal Auditors (AFIIA) International Conference	3	Middle	Movenpick Hotel, Accra
8	LOCAL	Training in Microsoft Excel, Word and Outlook	9	Junior	MIS Training Room



NO	LOCATION	COURSE TITLE	NO. OF PARTICIPANTS	LEVEL	COUNTRY/ VENUE
1	FOREIGN	AFCAP Road Materials Data Base Regional Stakeholder Workshop	1	Mgt.	Maputo, Mozambique
2	LOCAL	1-Day Conference of the Civil Technical Division of the Ghana Institution of Engineers	1	Mgt.	Engineers Centre
3	LOCAL	A Three (3) Day Workshop for Chairpersons and Members of Governing Boards/Councils, Chief Directors and Chief Executive Officers of Public Sector Organisations and Institutions	2	Mgt.	Royal Senchi Hotel, Akosombo
4	LOCAL	Training on Toll Software for GHA Staff	2	Mgt.	MIS Training Room
5	LOCAL	Documenting Audit Work, Construction Contract Auditing, Procurement Auditing, Conducting Occupational Fraud Investigations	1	Mgt.	Council for Scientific and Industrial Research - STEPRI, Accra
6	LOCAL	1-Day Conference of the Civil Technical Division of the Ghana Institution of Engineers	8	Middle	Engineers Centre
7	LOCAL	Infrastructure Procurement and Delivery Management (IPDM)	1	Middle	British Council
8	LOCAL	Training on Toll Software for GHA Staff	27	Middle	MIS Training Room
9	LOCAL	Documenting Audit Work, Construction Contract Auditing, Procurement Auditing, Conducting Occupational Fraud Investigations	8	Middle	Council for Scientific and Industrial Research - STEPRI, Accra

**Source: GHA Training & Development Division September 2017**

## **CHAPTER THREE**

### **3.0 MAINTENANCE DEPARTMENT**

#### **3.1 Road Maintenance Division**

##### **3.1.1 Maintenance Projects**

###### **3.1.1.1 Routine Maintenance**

A total of 10,250.14km out of an approved annual programme of 14,138km has been achieved for Grass Cutting, Ditch Cleaning, Grading and Pothole Patching. Also 4,109 out of 12,708 Culverts has been cleaned /desilted as at 30<sup>th</sup> September, 2017. 72.50% of all routine maintenance activities has been achieved at the end of the 3<sup>rd</sup> quarter.

###### **3.1.1.2 Periodic Maintenance & Minor Rehabilitation**

A total of 73.81km of periodic maintenance works were achieved out of an annual programme of 1,327km (i.e. 5.56%). However, when compared with the approved programme of 50.36km, 146.56% was achieved as at the end of the 3<sup>rd</sup> quarter.

###### **3.1.1.3 Ongoing Road Fund & Consolidated Fund and CocoBod Projects**

Currently there are Five Hundred and Seventy-Two (572) of on-going Periodic Maintenance Projects. The breakdown into various activities is as below in table 22:

**Table 22: On-going Maintenance Projects**

ACTIVITY	NO. OF PROJECTS/SOURCES OF FUNDING					LENGTH (KM)
	CONSOLI-DATED FUND	GOLD FIELDS GHANA LIMITED	ROAD FUND	“ENHANCED” ROAD FUND	COCOBOD	
REGRAVELLING/ SPOT IMPROVEMENT	2		54			431.10
RESEALING	1		32	1		227.10
PARTIAL RECONSTRUCTION	11		4	2	22	650.24
SECTIONAL REPAIRS/PARTIAL RECONSTRUCTION/ ASPHALTIC OVERLAY	1		1	1		52.20
TOWN ROADS	4		1			32.00
UPGRADING	44		8	17	31	1,896.00
REHABILITATION (UNPAVED)	1			3		137.00
REHABILITATION (PAVED)	6	3	2	7	4	432.10
RECONSTRUCTION			1	1	4	143.10
CONSTRUCTION				2	4	247.50
CONSTRUCTION/ REHABILITATION				1		11.95
BRIDGE/DRAINAGE STRUCTURES			295		1	
TOTAL	70	3	398	35	66	4,260.29
	572					

Source: GHA Road Maintenance Division September 2017

### 3.1.1.4 Completed Projects

Six (6) projects were completed and taken over whilst, twenty two (22) were substantially completed within the quarter under review. Details of the projects are given in Tables 23 and 24 below

**Table 23: Completed Projects: Taken Over**

NO.	REGION	PROJECT
1	BAR	Regravelling and Spot Improvement of Prang-Kintampo Road (km 16.0 - 21.0) Lot 3
2	UWR	Regravelling of Tumu-Gwollu-Hamile Road (km 45.0-55.0) Lot 1
3	BAR	Upgrading of Ampomah - Anyima Road (km 0.00 - 9.2)
4	UWR	Regravelling of Zini-Lambussie Road (Km 0-5) Lot 1
5	UWR	Regravelling of Zini-Lambussie Road (Km 5-10) Lot 2
6	UWR	Upgrading of Nadowli-Lawra-Hamile Road (km 0-45) Lot 7

**Source: GHA Road Maintenance Division September 2017**

**Table 24: Substantially Completed Projects**

NO.	REGION	PROJECT
1	CR	Partial Reconstruction of Essiam Town Roads (3.5Km)
2	ER	Partial Reconstruction of Adeiso - Asamankese Road (Km 0-10)
3	ER	Partial Reconstruction of Suhum - Asamankese Road (km 20-30)
4	ER	Partial Reconstruction of Nsawam (Adeiso) - Asamankese Road (Km 10-24)
5	VR	Partial Reconstruction of Have-Kpando Road (KM 0 - 10)
6	BAR	Upgrading of Duayaw Nkwanta Roads (2.0km)
7	BAR	Upgrading of Kofibadukrom Jn - Kofibadukrom Road (Km 0-5)
8	BAR	Upgrading of Dormaa Ahenkro-Nkrankwanta Road (Km 10-20)
9	CR	Upgrading of Dunkwa - Twifo Praso - Assin Fosu Road (20Km)
10	GAR	Upgrading of Oyibi -Ashaiman Road (km 0-11.7)
11	NR	Upgrading of Walewale-Gambaga Road (Km 27-38)
12	NR	Upgrading of Tamale-Tolon-Daboya Road (Km 13.2-19.8, 22.2-25.6)
13	NR	Upgrading of Daboya-Mankarigu-Wiasi Road (km 0.00-10.00)
14	VR	Upgrading of Have-Kpando Road (Km 10-30)
15	VR	Upgrading of Kete Krachi - Buya Road (Km 10-30)

16	WR	Upgrading of Daboase - Atieku Road (Km 7 - 33)
17	WR	Upgrading of Daboase - Atieku Road (Km 33 - 59) Lot 2
18	WR	Upgradng of Enchi - Dadieso Road (Km 30-50)
19	WR	Upgrading of Akontonbra - Bodi Road (Km 0-15)
20	WR	Upgrading of Akontombra - Sefwi Wiawso Road (Km 0-10)
21	UER	Rehabilitation of Selected Roads In The Upper East Region Bolgatanga-Bongo Road Winkongo-Tongo Road Navrongo-Tumu Road (16.2km) & V. O. No. 1 (8.0)km)
22	WR	Construction of Bridge over River Fure (Prestea-Samreboi Road)

*Source: GHA Road Maintenance Division September 2017*

### 3.1.2 2016 Road Condition Survey

#### Data Collection

As reported in the previous quarter, the 2016 Road Condition Survey data collection was completed in the 1<sup>st</sup> quarter of 2017. The Roughness Index data collection was completed within the 2<sup>nd</sup> quarter of 2017. Subsequently, the 2016 Road Condition Report was prepared and distributed.

### 3.1.3 Achievements of GHA Units (MMUI, MMUII, & BMU)

#### **MMUI**

The Unit is based at Techiman and is responsible for the Northern Sector of the country.

#### **MMUII**

This Unit is based at Suhum in the Eastern Region and is responsible for the Southern Sector of the country.

## **BMU**

The Bridge Maintenance Unit (BMU) has been charged with the responsibility of maintaining and repairing defective bridges and major culverts in the country. The Unit has two camps, one at Kukurantumi in the Eastern Region, taking care of the southern sector and the other at Techiman in the Brong Ahafo Region responsible for all bridges in the northern sector of the country.

The cumulative work achievements up to the end of 3<sup>rd</sup> Quarter for routine and periodic maintenance works and GHA Units are shown on Tables 25 and 26 below. Figure 6 also gives the pictorial cumulative achievements in both routine and periodic maintenance activities.

**Table 25: Details of Works by MMUI MMUII & BMU –as at 30<sup>th</sup> September 2017**

GHA Units	Road Name	Activity	Length (km)	Project Cost (GH¢M)	Total cost of Work done to date (GH¢M)	Cumulated Achievement (%)	Remarks
MMU I	Sawla - Bamboi Road	Resealing	153	6.640	0.400	4.00	2600m <sup>2</sup> of pothole patching executed on the Bole-Tinga. Work in progress.
	Adansi - Asokwa Weigh Bridge Project	Renovation works	-	1.173	0.430	36.66	Paving grout completed. Renovation of buildings on-going.
MMU II	Koforidua - Suhum (Resealing/Partial Reconstruction)	Resealing/Partial Reconstruction	29	7.003	0.024		
	Essuehyia - Otuam Road Phase II	Rehabilitation	6.3	2.300	1.700	92.00	Sealing works on-going
BMU	Kaneshie Foot Bridge		-	0.044	0.024		
	Repair of 50 Bridges in 10 Regions	Repair Works	-	1.500			
	Yensiso Bridge	Repair Works	-	0.017	-	60.00	Damaged parapet wall replaced with steel railings. Sealing of crack in abutment stem on hold due to water level.
	Bridge at Nkumkum	Replacement of Deck	-	0.097	-	45.00	Extension of abutment complete.
	Bridge over R. Mogla at Nakpali	Construction of abutments and piers.	-	0.680	-	40.00	The base for the two abutments and two of the piers have been cast. The stem of one of the pier has been cast 2m above the base. Excavation for the last piers footing is not yet done due to high water level.

**Source: GHA Road Maintenance Division September 2017**

**Table 26: Achievements in Routine & Periodic Mtce. Projects –as at 30<sup>th</sup> September 2017**

GHANA HIGHWAY AUTHORITY

ACHIEVEMENTS IN ROUTINE AND PERIODIC MAINTENANCE WORKS  
2017

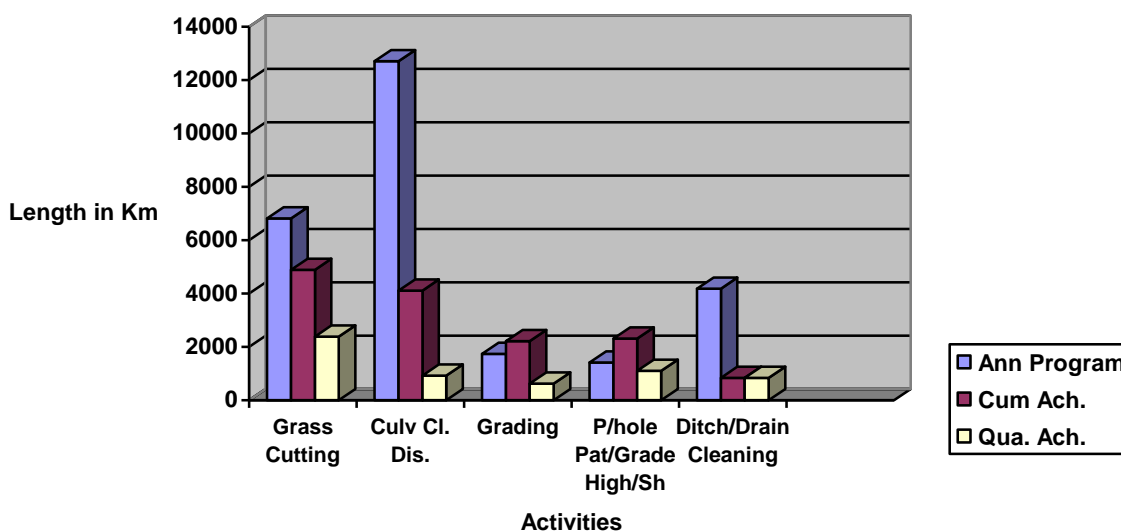
ACTIVITY	2017 PLANNED PROGRAMME		2017 APPROVED PROGRAMME		1ST QUARTER ACHIEVEMENT	2ND QUARTER ACHIEVEMENT	3RD QUARTER ACHIEVEMENT	4TH QUARTER ACHIEVEMENT	CUMM. ACHIEVEMENT	ACHIEVEMENT PER PLANNED PROGRAMME (%)	ACHIEVEMENT PER APPROVED PROGRAMME (%)
<b>ROUTINE MTCE</b>	<b>UNITS</b>		<b>UNITS</b>								
Grass Cutting	Km	10,674.00	Km	6,814.00	110.18	2,383.17	2,387.85		4,881.20	45.73	71.63
Culvert Cleaning & Desilting (No.)	No.	23,162.00	No.	12,708.00	1,188.00	1,998.00	922.90		4,109	17.74	32.33
Ditch/Drain Cleaning/Sweeping of Arte. RDS	Km	6,960.00	Km	4,176.00	843.00				843.00	12.11	20.19
Grading Gravel Surface & Ditch Cleaning	Km	5,798.00	Km	1,740.00	106.30	1,582.47	527.34		2,216.11	38.22	127.36
Pothole Patching & Grade High Shoulders	Km	4,692.80	Km	1,408.00	488.99	719.12	1,101.72		2,309.83	49.22	164.05
<b>PERIODIC MTCE</b>											
Regravelling/Spot Improvement	Km	239.40	Km	13.60	13.94	28.10	13.87		55.91	23.35	411.10
Resealing	Km	153.30	Km	8.20	2.51	6.10	10.97		19.58	12.77	238.78
Partial Reconstruction	Km	58.10	Km	14.08	12.52	17.50			30.02	51.67	213.21
Overlay	Km	12.84	Km	5.13							
Drainage Structures & Bridges	GHC/M	58.15	GHC/M	3.87							
Upgrading	Km	52.80	Km	1.02	1.27	59.50	39.14		99.91	189.22	9795.10
Rehabilitation of Town Roads	Km	9.57	Km	3.13	2.78				2.78	29.06	88.82
Reconstruction, Rehabilitation & Construction (Former Enhanced Projects)	Km	801.00	Km	5.20	27.91	26.90	9.83		64.64	8.07	1,243.08

\* APPROVED PROGRAMME ACHIEVES A QUARTER OF THE 2017 PLANNED PROGRAMME FOR PERIODIC MAINTENANCE.

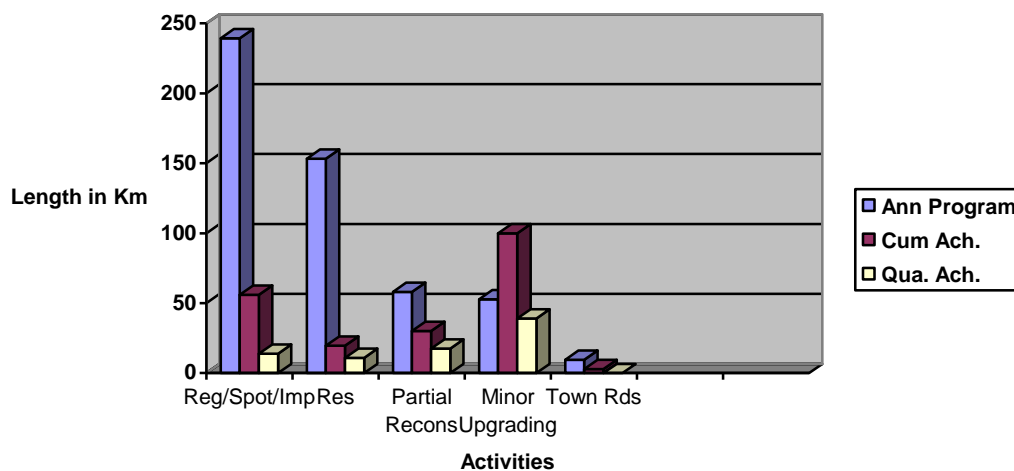
**Source: GHA Road Maintenance Division September 2017**

**Figure 6: Graphical Presentation of Achievements in Maintenance Activities**

**Achievements in Routine Maintenance Activities  
as at the End of 3rd Quarter 2017**



**Achievements in Periodic Maintenance Activities as at the end of the  
3rd Quarter 2017**



**Legend**

**Reg:** Regravelling  
**Res:** Resealing  
**Spot Imp:** Spot Improvement

**Tn. Rds:** Town Roads  
**Culv. Cl. Dis:** Culvert Cleaning & Desilting

**Source: GHA Road Maintenance Division September 2017**



## 3.2 Plant & Equipment Division

### 3.2.1 Operations

The shortage of oils, lubricants, filters tyres and batteries at the Central Mechanical Stores for carrying out servicing and repairs of supervisory vehicles continues to affect the performance of the entire Workshop. It is hoped that funds would be made available to procure sufficient quantities for the workshop.

#### Central Mechanical Workshop

During the quarter, 227 jobs were received, 195 completed and 32 outstanding at the Central Mechanical Workshop.

The summary of the jobs received and completed at the various sections are as follows:

**Table 27: Details of Completed Jobs (GHA)**

Month	July		August		September		Total	
Section	Recd.	Comp.	Recd.	Comp.	Recd.	Comp.	Recd.	Comp.
Light	39	38	20	18	24	9	93	63
Electrical	40	38	25	25	30	23	95	89
Engine	2	2	1	1	2	2	5	4
Ancillary	9	19	9	3	4	1	22	23
Heavy	5	4	5	3	1	3	11	10
Machine	2	2	2	2	2	2	6	6
							227	195

Note: Recd = Received, Comp = Completed

Source: GHA Plant & Equipment Division September 2017

### 3.2.2 Completed Jobs (Private Jobs):

Revenue generated from private jobs undertaken during the quarter amounted to Eleven Thousand Seven Hundred and Ten Ghana Cedis (**GH¢11,710.00**) mainly from the heavy section.

### **3.2.3 Ferries**

#### **Ada Ferries**

##### **M/S Sogakope**

The ferry was slipped out of water during the quarter for welding and re – plating of some portions on the hull which is very weak, rusted and constantly developing leakages.

##### **M/S Okor**

M/S Okor has been slipped out of water and grounded over several years. The ferry is deteriorating at an alarming rate. An appeal is being made to management to auction it as scrap for a salvage value.

### **3.2.4 Stores & Supplies Section**

The Stores and Supplies Division of Ghana Highway Authority is charged with the responsibility of;

- ❖ Procurement of General Goods (spare parts, oils & lubricants, tyres, batteries etc) using the guidelines of the Public Procurement Authority.
- ❖ Stocking of goods in designated warehouses at the Central and Regional stores.
- ❖ Issuing out goods as and when necessary, using requisitions submitted by the end users of the goods.
- ❖ Updating of stock levels of all goods at the warehouses quarterly and yearly.

#### **3.2.4.1 Local Purchasing**

#### **PROCUREMENT**

##### **1.1 IFT NO.GHA/PPA/PQ/01/17**

##### **Supply of Diaries and Calendars**

This tender failed because out of the eight (8) bidders we invited and only (2) two responded. As specified by ACT 633 (PPA) the minimum should be three (3) bidders.

##### **1.2 IFT NO.GHA/NCT/GDS/07/16**

##### **Supply of Weighing Equipment**

This tender has been completed with the deliveries made to GHA pending payment to the supplier.

### 1.3 IDA

Date	Supplier	Description	Amount(GHC)	
26/09/17	US Network Direct	Decking Plates	327,805.00	
26/09/17	US Network Direct	Portable weighing pads and Accessories	316,217.10	

### 1.4 The under-listed items were procured using the L.P.O.

L.P.O No.	Description	July	August	September
O553808	Tyres 235/75R 15		GH¢ 3,200.00	
O553807	Starter		GH¢ 1,648.00	
O553809	1.5MM <sup>2</sup> Cable		GH¢ 5,447.67	
O553811	Tyres 265/65R 17		4,600	
0553812	Executive swivel chair 2152			GH¢ 4,265.25
0553806	Nigachi money counting machine			GH¢ 31,600

## CHAPTER FOUR

### 4.0 DEVELOPMENT DEPARTMENT

#### 4.1 Bridges Division

##### 4.1.1 On-Going Bridge Projects

- ❖ Construction of Austrian Bridges on Wa – Walewale road (5No. Bridges).  
The project has been divided into five Lots:

**Lot 1.** Construction of Steel Bridge over River Gyanwali at Kundugu on the Yala-Kundungu- Sombisi Road. 35m Span. Progress is 80%.

**Lot 2.** Construction of Steel Bridge over River Kudage on the Sombisi – Tantali Road-35m Span. The overall percentage of work done on this lot is about 76%.

**Lot 3.** Construction of Steel Bridge over River Gongonwu on the Tantali –Tuvuu Road-35m Span. The overall percentage of work done on this lot is 100%. Final completion was conducted in March 2015.

**Lot 4.** Construction of Steel Bridge over River Gongonwu on the Tuvuu- Yikpabongo Road- 70m. The initial location of the bridge was changed due to accessibility problems.

The bridge has been relocated to Nalerigu on the Karaga – Gushiegu – Nalerigu road in the Northern Region. The Contractor **M/S Jiangxi Zhongmei Eng. Const. Co. Ltd** has written to GHA to discontinue the construction of the bridge. Reconnaissance survey of the proposed location has been undertaken. GHA is waiting for the release of funds to commence the detailed studies. A new Contractor will have to be sourced after the completion of the detailed Engineering studies at the proposed location

**Lot 5.** Construction of Steel Bridge over River Kulpawn on the Luari-Jadima Road-140m. The overall percentage of work done on this lot is **24%**. The Contractor has suspended works due to lack of payment.

**Lot 6. Construction of Steel Bridge over the White Volta River at Mishuo. (Steel bridge of total span 210m)**

**Contractor:** M/S Tass Kalia Ent. Ltd

**Contract Value:** GH¢20,965,811.09

**Award Date:** 4<sup>th</sup> May, 2016

The Contractor is mobilizing to commence works

**Lot 7. Construction of Bridge over River Pra at Twifo Praso.**

A new bridge is to be constructed at Twifo Praso in order to separate vehicular traffic from rail traffic. It is a 175m span bridge comprising a steel section of 105m and a reinforced concrete section of 70m

**Contractor:** M/S China Railway No.5 Engineering Company

**Contract Value:** GH¢28,176,797.57

**Award Date:** 4<sup>th</sup> May, 2016

Variation order for change in design has been sent to the Central Tender Review Board for approval.

❖ ***Construction/Rehabilitation of Toll plaza on some selected trunk roads within the Period.***

Bids were opened on 29<sup>th</sup> June, 2017. Evaluation of the tenders is still ongoing.

Construction of Toll Plaza at Badukrom on the Cape Coast – Takoradi Road. As reported in the previous quarter the Contract has been terminated. Cost to complete the outstanding works has been submitted to the Ghana Road Fund Secretariat.

❖ ***Rehabilitation of Adomi Bridge.***

Possession of site for the commencement of works at site was given to the Contractor on 10<sup>th</sup> March, 2014. Progress is 98%. Substantial Taking over Inspection was undertaken on 7<sup>th</sup> December, 2015. Defects were seen on the asphalt overlay on the deck during the Defect Liability Period. The Contractor is preparing to rectify the defects.

❖ ***Construction of six bridges in Northern Ghana funded by DANIDA.***

The list of the bridges to be constructed under this project is as follows:

- Bridge No. 1 – Kulungugu – Upper East Region – 100m
- Bridge No. 2 – Garu (2no.) – Upper East Region – 100m
- Bridge No. 3 – Doninga – Upper East Region – 50m
- Bridge No. 4 – Sissili – Upper West – 125m
- Bridge No. 5 – Ambalara – Northern Region – 75m
- Bridge No. 6 – Kulun - Upper West – 100m

The design of the above bridges was undertaken by **M/S Grontmij A/S** now **Sweco** in association with **M/S HAG Consult**. Tendering process is ongoing. The period for the submission of bids by the contractors has been rescheduled to 2<sup>nd</sup> November, 2017.

**Construction of bridge over the Volta River at Volivo and Dufor Adidome.**

The Project consists of 540m long cable stayed bridge to be constructed over the Volta River. The bridge will have three spans (130m, 280m, 130m). The project will enhance the capacity of the Eastern corridor roads and provides an alternative route across the Volta River apart from the Adomi Bridge. The loan agreement was approved by Parliament on 2<sup>nd</sup> November, 2016 and the loan agreement was signed on 30<sup>th</sup> November, 2016 between Government of Ghana and the Japanese Government. The amount of the loan facility is US\$100 million (11,239 billion Yen). As part of the project 70km new road will have to be constructed from Asutsuare junction through Volivo to Asikuma junction. The road project will be funded by the African Development Bank (AfDB). Request for Proposal

for the Procurement of Consultants to supervise the works was prepared by GHA and JICA.

- ❖ Construction of ramps to existing 6 no. Foot bridges on the George Bush Motorway – (N1). Drawings for the ramps to the 6 No. Foot bridges have been completed. The Contractor has suspended works due to lack of payment.
- ❖ Construction of 4 Foot bridges on the Tetteh Quarshie – Madina road. Design of the footbridges has been completed. Drawing for the footbridges is 100% complete. Works have stalled due to lack of funds.
- ❖ Construction of two (2) underpasses on the George Bush Motorway – (N1). Review of design drawings is completed. Comments from the review of the drawing have been submitted to Contractors. Review of Bill of Quantities submitted by the Contractor has been completed.
- ❖ Construction of 6 No. Foot bridges on the Madina – Pantang road. The Contractor has suspended works due to lack of payment and site constraints.

The locations for the footbridges are:

- Fire stone (Atomic junction)
  - Zongo junction
  - Redco junction
  - Evangelical Presbyterian Church (EP)
  - Seventh Day Adventist Church
  - West African Secondary School
- ❖ Construction of bridge over River Pra at Twifo-Praso. Works on the superstructure is ongoing.
- ❖ Construction of bridge over the White Volta at Mishuo. Procurement of Contractor has been completed. Request for commencement certificate has been submitted to the Ministry of Finance.
- ❖ Rehabilitation of the Dunkwa Bridge. Works on the superstructure is ongoing.
- ❖ Rehabilitation of the Nasia Bridge on the Tamale – Bolgatanga road. The Contractor is mobilizing to site
- ❖ Rehabilitation of the Pwalugu Bridge on the Tamale – Bolgatanga road. The Contractor is mobilizing to site
- ❖ Reconstruction of the Iture Bridge over the Sweet River on the Cape Coast – Takoradi road. Inspection report has been submitted to the Ministry of Roads and Highways. BMU

has completed the repair works on the bridge. Messrs Sonitra has submitted a Technical and a financial proposal. Evaluation of the Technical and Financial proposal is ongoing

- ❖ Rehabilitation of the Ankobra Bridge and the Lower Volta Bridge (Replacement of Expansion joints). Inspection of the bridges has been undertaken. Request for approval to sole source Aquatec Marine International for the under water investigation of the bridge foundations has been submitted to the Public Procurement Authority.
- ❖ Construction of bridge over River Bechelihi and River Navaribie on the Navrongo – Chuchuliga – Tumu Road. Design drawings have been completed and forwarded to Ministry of Roads and Highways for approval.
- ❖ Replacement of existing bridge over River Luwhe. Contractor has submitted design drawing to GHA for review. Comments from the review of the design drawing have been sent to the Contractor for modification.

**Rehabilitation of the Lower Volta Bridge (Replacement of Expansion joints)** Approval was granted by the Public Procurement Authority to sole source Messrs Mageba for the replacement of the expansion joint. Messrs Mageba has discontinued interest in the project. A new Contractor will therefore have to be sourced.

❖ ***Construction of two lane underpass to link Spintex and East Legon***

Review of Technical and Financial proposal submitted by M/s Sonitra Ltd has been completed. The Contract has been awarded and works are ongoing at the site.

❖ ***Construction of a double carriageway underpass at Ashaiman and Ancillary Works***  
Preliminary studies are ongoing.

❖ ***Construction of a bridge at Nalerigu in the Northern Region***

Four (4) names of Contractors have been submitted to the Ministry of Roads and Highways (MRH) for approval to procure the works using Restricted Tendering. The bridge will be a reinforced concrete bridge.

❖ ***Construction of a bridge at Garu in the Upper East Region***

Estimates for the repair of the bridge works has been submitted to the MRH.

❖ ***Construction of Three (3) bridges on the Bolgatanga – Polmakom road in the Upper East Region***

Draft final Design was submitted to GHA for review. Review has been undertaken and the Contractor has been asked to revise the span of the bridges from 16.7m to 26m minimum.

#### **4.1.1.1: Bridge Maintenance Units Activities**

- ❖ Repair of Yensiso Bridge. Progress is 60%
- ❖ Repair of the Buipe Bridge over the Black Volta. Progress is 100%
- ❖ Repair of Kulungugu Bridge. Progress is 100%

#### **4.1.1.2: Bridge Management & Maintenance System (BMMS)**

The project has been divided onto four lots. Procurement of Consultants has been completed. Preparation of Contract document has been completed and the contract agreement has been signed. The Consultants have been asked to submit their programme of works for review. Notice to commence works letter has been issued to the Consultants.

Lot 1 will be undertaken by Messrs Delin Consult. Messrs Delin Consult has submitted their inception report to GHA. Review of the inception report was completed within the quarter.

Lot 2 will be undertaken by Messrs Associated Consultants Limited. Messrs Associated Consultants Limited has submitted their inception report to GHA. Review of the inception report was completed within the quarter.

Lot 3 will be undertaken by Messrs Comptran Engineering Planning and Associates. Messrs Comptran Engineering Planning and Associates has submitted their inception report to GHA. Review of the inception report was completed within the quarter.

Lot 4 will be undertaken by Messrs Hag Consults. Messrs Hag Consults has submitted their inception report to GHA. Review of the inception report was completed within the quarter.



## 4.2 Contracts Division

### 4.2.1 Budget for the Year

The Contracts Division manages and administers contracts for the implementation of development projects to provide a satisfactory level of service to the motoring public aimed at facilitating mobility and accessibility in the country.

The approved programme for the year covers the construction of 194.9Km of trunk roads at an estimated cost of Forty Six million and Sixty-Eight Thousand Six Hundred and Sixty-One Ghana Cedis Eighty-Two Pesewas (GH¢46,068,661.82).




There are currently Forty three (43) ongoing road projects. Forty (40) of these are being funded by Government of Ghana (GoG) and the remaining three (3) by Development Partners, namely BADEA, IDA, AfDB, KfW, EU, SAUDI Fund and ECOWAS.

During the third quarter, two (2) out of these projects were substantially completed and forty one (41) were in progress at various levels of completion.

The status of ongoing development projects are shown in Appendix B.

### 4.2.2 Substantially Completed Projects

The following projects were substantially completed and were accordingly handed over to the Authority in the 3<sup>rd</sup> Quarter of 2017.

-  Partial Taking Over Inspection of the Construction of Wa-Han Project was conducted during the reporting quarter – Funded by GoG
-  Emergency Works for the Upgrading of Ho-Adidome Road (km37.2-52.2), Lot3 – Funded by GoG
-  Rehabilitation of Ayamfuri-Asawinso Road, Lot 2(New Obuasi-Asawinso, (km 26- 52.2) – Funded by World Bank

### 4.2.3 Procurement

The Tender Documents for the Rehabilitation of the Benchema-Adwufia road project were being sold to Tenderers during the reporting period.

However, the Division in the reporting period had finished assessing some Danish Contractors who applied to be pre-qualified for Construction of Bridges in the Northern Regions. The Pre-Qualified Tenderers have been furnished with the tender documents. The Closing of the Submission of Tenders which was scheduled for 12<sup>th</sup> October, 2017 has been postponed to 2<sup>nd</sup> November, 2017. Evaluation of the submitted tender documents will follow as soon as the Tenders are opened.

### 4.3 Materials Division

The Materials Division of Ghana Highway Authority is made up of five (5) sections namely:

- ✚ Soils and Aggregates
- ✚ Foundations
- ✚ Pavement
- ✚ Bituminous Products
- ✚ Research

All these sections in addition to their peculiar assignments trained newly recruited engineers, students on industrial attachment and National Service Personnel.

#### 4.3.1 Soils and Aggregates Section

The section conducted the following activities:

- ✚ Testing of construction materials and causes of distresses on roads and structures.
- ✚ Laboratory analysis and research into the use of new materials and chemicals, to ascertain their effectiveness in the improvement of road pavement materials.
- ✚ Equipment Calibration for Volta Region, Eastern Region, and Central Regional Offices of GHA.
- ✚ Concrete Mix designs

#### 4.3.2 Pavement Section

The section conducted the following activities:

- ✚ A section of the Dual Carriageway in Kintampo town.
- ✚ Deflection test on Tatale-Zabzugu-Yendi-Tamale Road.
- ✚ Feasibility Studies on Dome-Kwabanya-Berekuso-Kitase Road.
- ✚ Deflection measurement on Biriwa – Takoradi Road.

#### 4.3.3 The Foundation Section

The section reviewed progress reports from the following road projects;

- ✚ Review of progress reports from road projects

#### 4.3.4 Bituminous Products

The Bituminous Products Section undertook the following activities during the quarter under review:

- ✚ Review of progress reports from road projects.
- ✚ Tests on bitumen samples and asphalt mixes submitted by Bitumen Marketers, Contractors and Consultants.
- ✚ Asphaltic Concrete mix designs checks for Eastern Corridor Road (Asikumah Jtc – Hohoe – Jasikan Road), Accra-Tema Motorway Roundabout Improvement Works and core density tests on some portions of Kintampo Town Roads and the Adomi Bridge Deck Asphalt.

Table 28 below shows the details of various test that were carried out during the quarter

**Table 28: Materials Test Results**

**Table 2 TREND OF INTERNALLY GENERATED FUND - 3rd QUARTER, 2017**

SOURCE	MONTH			No. OF TESTS	AMOUNT IN Gh. CEDIS			TOTAL IN Gh CEDIS
	JULY	AUGUST	SEPT.		JULY	AUGUST	SEPT.	
Concrete test	173	233	211	617	5,200.00	6,980.00	6,340.00	18,520.00
Shmidt Hammer	-	12	-	12	-	480.00	-	480.00
Pavement Investigations	0	0	1	1	-	-	64,196.00	64,196.00
Aggregate tests	11	17	19	47	5,460.00	7,965.00	9,910.00	23,335.00
Bitumen Tests	13	11	17	41	23,421.00	17,710.80	18,985.00	60,116.80
Soils tests	11	5	17	33	8,955.00	10,335.00	30,730.00	50,020.00
Equipment Calibration	-	-	1	1	-	-	1,200.00	1,200.00
Foundations & Geotechnical Inv.	0	2	0	2	-	15,000.00	-	15,000.00
<b>GRAND TOTAL</b>	<b>208</b>	<b>280</b>	<b>266.3333</b>	<b>754</b>	<b>43,036.00</b>	<b>58,470.80</b>	<b>131,361.00</b>	<b>232,867.80</b>

*Source: GHA Material Division September 2017*

# 4.4 Planning Division

The Planning Division is responsible for the planning of the trunk road network and the establishment of reliable traffic data base in the country. The Division is also responsible for the initiation, identification, and preparation and monitoring of all GHA development projects and road project components of all regional corridor programmes involving Ghana and other countries in the sub-region. Additionally, the Division provides the main link between the Authority and Development Partners for the efficient coordination of road projects and related facilities.

The Planning Division in pursuance of the foregoing operates through the following sections

- ✚ Strategic Planning, Monitoring and Evaluation(PME)
- ✚ Development Project Planning(DPP)
- ✚ Public Private Partnership(PPP)

## 4.4.1 Projects Objectives

Generally the objectives of the road projects are to reduce poverty and boost economic development by reducing road accidents, travel time and Vehicle Operating Cost (VOC). This result in reduced road user cost for both passengers and freight.

These objectives are achieved through (i) Procurement of Consultants for specific engineering tasks and (ii) Co-ordination of activities with Development Partners. The major procurement activities undertaken included preparation of Terms of Reference, Request for Proposals, Evaluation of Proposals and preparation of Consultancy Contract Agreements.

Statuses of on-going Consultancy on on-going projects are as shown in Table 29 below

The Strategic Planning, Monitoring and Evaluation section made a presentation at a workshop for Ghana- Japan Quality Infrastructure Development Forum. This was followed up with a visit by a three man GHA Engineers to Japan under JICA fund to attend a JICA ODA Loan Facilitation workshop and exposure unit to Japanese High Quality Industry/Infrastructure project for adaptation by Ghana.

Additionally, the section embarked on a one week traffic studies from 31<sup>st</sup> August to 7<sup>th</sup> September 2017on selected roads in Volta region.

Table 29: Status of On-going Consultancy Services

Item	Contract Description	Contract/ Supplier/ Consultant	Services Contract In Dollar Amount (\$)	Services Contract In Ghana Cedis (GHS)	Date Signed Mm/dd/yr	Contractual Start Date Mm/dd/yr	Contractual Completion Date Mm/dd/yr	Extended Completion Date Mm/dd/yr	Remarks
<b>PROJECTS ON TSP</b>									
1	Construction Supervision of Rehabilitation of Ayanfuri-Asawinso Road (Lots 1)	GHA	\$ 20,694,136.81	GHS 13,641,596.55	1/10/2013	15/02/12	1/4/2015	31/12/2017	Progress of works as at September 2017, Lot1 97% achieved as against 95% as per revised programme. The project has to deal with compensation problems during this quarter. This lead the progress for this quarter to be the same as the last quarter.
2	Construction Supervision of Rehabilitation of Ayanfuri-Asawinso Road (Lots 2)	GHA	\$8,440,000	GHS29,300,000	1/11/2013	15/02/13	1/5/2015	31/12/2017	Project completed. Project is in defect liability state. Final inspection was on 24 August 2017.
3	Installation of Automatic Counters								A summary of Traffic Count Data from 3No. Automatic Traffic Counter(ATC) was installed in 2015 on N6, N10 and N8 have been submitted to the World Bank. 3No. Counter were also installed on the N1 in 2012. All the 6No. ATC need to be rehabilitated. A proposal to rehabilitate the ATC's will be submitted to the Bank for consideration.
<b>PROJECTS ON ALITP</b>									
4	Consultancy Services for the Supervision of Rehabilitation of Agona Junction-Elubo road. Lot1	K2 and Associate,Inc.	\$22,168,060.23	GHS15,215,000	15/08/2012	24/08/2012	08/01/2015	11/1/2017	Project is in defect liability period.
5	Consultancy Services for the Supervision of Rehabilitation of Agona Junction-Elubo road.lot2	K2 and Associate,Inc.	\$20,380,000	GHS29,925,000	15/08/2013		6/10/2015	11/1/2017	Project is in defect liability period.
6	Consultancy Services for the Supervision of Rehabilitation of Agona Junction-Elubo road.lot3	K2 and Associate,Inc.	\$20,380,000	GHS29,925,000	15/08/2013		6/10/2015	13/03/17	Project is in defect liability period.
7	Construction of Anyaado Rest Stop	Bans Consult		GHS323,809,250	15/03/13				As at the end of May 2016 the contractor has completed substructure. Which is about 40% of the work done . The project is lacking funds.

PROJECTS ON TSIP (TRANSPORT SECTOR IMPROVEMENT PROJECT)									
8	The Assessment Study To Implement Output And Performance Based Road Contracts For The Upgrading Of Tatale-Zabuzugu-Yendi-Tamale Road (Section R 201) 165.8km, Zabuzugu- Nakpali-Bimbila Road (Section R29/01) 73.6km And For Selected Feeder Roads In The Brong-Ahafo Region,Northern Region,Upper East Region, and Upper West Region(1360km) + Addendum	UWP Consulting(Pty) Ltd/ Knight Piesold Ghana Ltd	\$ 3,078,075.98		11/4/2017+ 13/06/2017(Addendum)	11/5/2017	Jan-18		Consultant Inception report was accepted by GHA and the Bank. Video conference was held on 22nd August 2017 to discuss progress on all the TSIP Projects.
9	Individual Consultancy services as Social Safeguards Specialist For The Upgrading Of Tatale-Zabuzugu-Yendi-Tamale Road (Section R 201) 165.8km, Zabuzugu- Nakpali-Bimbila Road (Section R29/01) 73.6km And For Selected Feeder Roads In The Brong-Ahafo Region,Northern Region,Upper East Region, and Upper West Region(1360km)								Negotiation with the Consultant has been completed and Draft Contract Document preparation is in progress.
AfDB FUNDED									
10	Construction Services for Detailed Engineering Design for Asutua Junction-Asutua-Volvo roads (23.3km) and Asutua-Aveyime Road (lot1)	MCV Inc,USA	\$37,937,000		8/8/2014	8/9/2014			The Detailed Engineering Design has ended.
DANIDA FUNDED									
11	Consultancy Services for Detailed Design of Takoradi-Agona Junction Road	Danida				28/11/12			GHA has reviewed the final detailed design report from Ablin Consult.Construction has not began because Danida has suspended the works or construction.
12	Consultancy Services for Design Development, Detailed Design, Tender Document Preparation, Tendering Assistance and Construction Supervision of New Bridges in Northern Ghana.	Sweco	\$1,784,550						Procurement is ongoing. The Contractors will submit their tender document on 2 November 2017.
ORIO/GOG LOAN FUNDED PROJECTS									
13	Rehabilitation of Benchema-Adwufia Road								The works Contract is in the bidding process. Interested Contractors are to submit their tender document by 30 November 2017. Associated Consultants have been selected as the Supervising Engineers. Services Contract will be signed when the works takes off.
BRAZILLIAN/GOG LOAN FUNDED PROJECT									
14	Consultancy Services for the Design Reviewed Construction Supervision of Eastern Corridor Roads Project Lot 5 (Oti Damango Bimbilla-Yendi) and Lot6 (Yendi-Sakrogu-Nakpanduri)	Associated Consultant	\$113,492,000			3/2/2014			GHA has reviewed the draft Addendum No.1 to be forwarded for approval by MRH.

PUBLIC PRIVATE PARTNERSHIP									
15	Accra - Tema Motorway Expansion	Messrs Roughton International		GHS 1,811,371.88 Phase 1 (Feasibility Studies) and GHS 266,916.88 Phase 2 (Procurement of Investors)		4/9/2016	1/1/2019		Market Sounding was done on 25 September 2017 at Alisa Hotel to engage the private sector and announce the project.
16	Accra - Kumasi Dualisation Project	Messrs PWC							The Consultant for the Transaction Advisory services has completed the Feasibility studies with recommendations to the Ministry Of Roads and Highway and GHA for further action. Action is still pending.
17	Accra-Takoradi Dualisation Project	Feedback /GIBB	\$ 3,574,796.28						The Consultant has submitted the alignment working paper and has made a presentation to GHA and MRH.
18	Missions from Development Partners								There were two JICA missions within the quarter. The first mission was to seek approval for the works Bidding Documents and explanation of Bidding procedure for the Tema Motorway Interchange Project. The second mission reported on the inspection of cracks in the abutment of the Assin -Praso bridge conducted on 16/05/2017.
PROJECT ON JICA									
19	Construction of a New Bridge Across the Volta River on the Eastern Corridor Project					8/9/2014			GHA has submitted a draft Request For Proposal (RFP) to JICA for their 'No Objection' for the Procurement of a Supervision Consultant.
20	Project For The Improvement of the Tema Motorway Roundabout	CTI Engineering International Co. Ltd							The Consultant is progressing with the works procurement process open to only Japanese Contractors. Works Contract Negotiation is schedule for 10 December 2017.

	<b>GOG</b>								
21	Construction Services For Inventory and Condition Survey of Ghana Highway Authority Bridges (Lot1: Western and Central Regions)	Delin Consult Limited		GHS 980,504.45	1/3/2017	1/4/2017	1/10/2017		The Consultant has submitted his inception report and has raised certificate awaiting payment.
22	Construction Services For Inventory and Condition Survey of Ghana Highway Authority Bridges (Lot2: Greater Accra, Volta and Eastern Regions)	Associated Consultant		GHS 963,630	1/3/2017	1/4/2017	1/10/2017		The Consultant has submitted his interim report and has raised certificate awaiting payment.
23	Construction Services For Inventory and Condition Survey of Ghana Highway Authority Bridges (Lot3: Ashanti and Brong Ahafo Regions)	Comptan Engineering and Planning Associates		GHS 989,000	2/3/2017	2/4/2017	2/10/2017		The Consultant has submitted his inception report and has raised certificate awaiting payment.
24	Construction Services For Inventory and Condition Survey of Ghana Highway Authority Bridges (Lot4: Northern Upper East and Upper West Region)	Hag Consult Limited		GHS 988,522.50	2/3/2017	2/4/2017	2/10/2017		The Consultant has submitted his inception report and has raised certificate awaiting payment.
25	Consultancy Services For Consultancy Supervision Of Bolgatanga-Bawku-Polmankon Highway Including Bawku Bypass- 109KM								Central Tender Review Board(CTRB) has again raised objection on the Revised Combined Evaluation Report and GHA is in the process of submitting a second response to CTRB.
	<b>BANK OF GHANA</b>								
26	Construction of Access, Diverging and Merging Lanes to the Cash Processing Center at the General Services Complex	GHA			3/8/2016	10/8/2016	10/2/2017		The Bank has approved the 3rd Revised Variation Order No.1. notice to resume works, has been issued to the Contractor along with the Revised Drawing. The construction of the DUR flyover piers is nearly completed. The Contractor executing the slip roads is yet to resume.
	<b>PLANING DIVISION</b>								
27	Budget Preparation	GHA							During the third quarter the section prepared the latest revision of the 2017 road fund budget for GHA. The total amount for the budget was GHS 75M.

**Source: GHA Planning Division September 2017**



## 4.5 Quantity Surveying Division

A total of 232 certificates were vetted and passed at the close of the 3<sup>rd</sup> quarter of the year 2017.

The breakdown is as follows:



-  14 Development Projects
-  218 Maintenance Projects

Table 30 below gives details of certificates that were vetted and corrected.

**Table 30: Certificates Vetted & Corrected**

IPC	Project	Submitted Amount GH¢	Corrected Amount GH¢
2	Grading and Ditch cleaning of Namasa Sampa Road	346,830.76	286,971.04
1	Reconstruction of Nkwanta-Oti-Damanko road	13,617,142.09	13,546,970.10
1	Upgrading/Reconstruction of Metrikasa-Havedzi Road	3,126,046.44	2,630,471.83
13	Upgrading of Berekum – Seikwa - Nsawkaw Road	3,906,651.52	3,776,591.14
30	Rehabilitation of Ayamfuri – Asawinso Road Lot 2	3,398,940.14	3,262,585.37
4	Upgrading of Prestea -Samreboi Road	11,134,861.86	11,030,718.60
1	Regravelling of Ejura – Anyinofi – Bundaso Road	340,034.83	320,544.21
1	Pothole patching and Repairs of Wa-Nadowli-Jirapa Road	141,312.21	141,123.52
2	Pothole patching and Shoulder repair works on Duayaw-Nkwanta Road	143,875.65	142,724.12
3	Upgrading of Tamale-Nanton-Karaga Road	5,789,675.52	5,261,385.54
1	Rehabilitation of Karaga-Gushiegu Road(24KM)	3,761,243.2	3,702,593.75
1	Construction of 10 number Speed Calming devices on Gambia Regional Boundary.	262,087.07	257,891.93
4	Partial Reconstruction of Odumase Oterkporlu Road	2,132,666.58	2,102,697.85
2	Construction of Pipe Culvert on Saboba-Chereponi Relocated to Pong – Tamale Road	639,992.97	617,185.30
4	Upgrading of Duakwa-Mankrong junction-Mepom Road 14KM	4,125,408.68	3,614,283.45
3	Pothole patching and Ditch cleaning of Osiem-Begoro Town Road	225,409.76	221,140.46
1	Resealing of Wa-Nadowli-Jirapa Road	1,150,957.57	1,118,376.29
1	Regravelling of Zabzugu-Tatale Road Lot 6	1,202,555.68	1,191,100.28

1	Pothole Patching and Shoulder Repair works on Ahenkro-Buaman-Toase Manso Road	1,066,164.81	1,058,530.50
1	Pothole patching Winneba Junction-Kasoa Road	213,132.22	210,013.84
1	Regravelling of Kpandai-Buya Road. Lot 1	1,833,527.03	1,710,239.86
7	Upgrading of Busunu - Daboya Road	1,840,157.80	1,834,593.57
4	Grading of Wulensi-Makayilli-Dakpam Road	212,989.89	200,568.99
4	Grading of Savelugu-Kumbungu Road Lot 36	169,071.03	165,200.28
1	Construction of U-drain at Edwakesiem NIB junction-Dunkwa Town Road	38,040.44	37,236.69
2	Pothole patching and Grading of Kadjebi Town-Dodopepeso Road	459,071.15	441,272.32
11	Reconstruction of Hohoe-Jasikan Road	1,406,989.59	1,278,085.42
1	Construction of Simple Pipe Culvert at Aboabo – Asikuma – Dunkwa Road	45,991.20	41,220.70
1	Pothole Patching and Shoulders Repairs on Winneba Junction-Agona Swedru Road	191,093.30	191,057.30
1	Pothole Patching and Shoulders Repairs on Gomoa Fetteh-Akotsi Junction Road	194,414.22	181,155.18
	Upgrading of Dunkwa-Awisam-Aboabo Road	3,139,400.68	3,032,003.53
2	Pothole Patching and Shoulder Repairs on Winneba junction-Kasoa Road	66,813.84	65,273.49
3	Pothole Patching and Shoulders on Duayaw - Nkwanta – Bechem Dwomo Road	155,872.09	154,418.85
5C	Pothole Patching on Ajomako - Amonfopong Road	32,303.39	31,959.78
3B	Pothole Patching and Sectional Surface Repairs on Winneba - Eshiem Road	162,027.15	160,103.11
3	Pothole Patching and Shoulders Repairs on Bonwire Junction-Airport Roundabout Road	279,272.11	268,292.79
2	Grading and Ditch cleaning of Donkokrom - Adiembra – Kwaekese Road	139,552.02	115,672.31
3	Partial reconstruction of Koforidua – Bonsu Road	1,477,162.97	1,275,441.49
	<b>TOTAL</b>	<b>68,399,668.43</b>	<b>65,449,400.79</b>
	<b>Savings</b>		<b>2,950,267.64</b>

*Source: GHA Quantity Surveying Division September 2017*

## 4.6 Road Safety & Environment Division

The Division has responsibility for the following areas

- ✚ Road Safety Audit Unit;
- ✚ Environmental Management Unit.
- ✚ Axle Load Unit

### 4.6.1 Road Safety Audit Unit (RSA)

The unit undertook the following activities in the quarter under review.

#### 4.6.1.1 Western & Central Region

- Road safety assessment on the Apimanim – Elubo for the construction of a fuel service station by Vaah Petroleum.
- Black spot investigation on the Upgrading of Tarkwa – Aboso – Huni Valley – Damang highway
- Supervision of speed hump construction on the Yamoransa – Assin Fosu highway
- Inspection of constructed speed humps on Takoradi – Tarkwa highway
- Road safety assessment upon request for the construction of speed humps at the following towns along Yamoransa – Assin Fosu highway;
  - ✚ Bataanya
  - ✚ Edumfa
  - ✚ Abura Dunkwa
  - ✚ Katakyaase
  - ✚ Assin – Fosu
  - ✚ Juaso
- Scheme for line marking on the Yamoransa – Assin Fosu highway lot 3
- Scheme for line marking on the Yamoransa – Assin Fosu highway lot 19

#### 4.6.1.2 Eastern & Volta Region

- Supervision of speed table construction on Nkurakan Adukrom Highway
- Supervision of line marking on resealing of Mamfe – Koforidua highway lot 4
- Inventory for speed table construction on Mamfe – Adukrom – Trom junction
- Supervision of safety scheme implementation at Bunso junction
- Inventory for road traffic sign and line markings on resealing of Asikuma – Junction – Ho highway. Lot 2
- Inventory for road traffic signs on resealing of Mamfe – Koforidua Highway Lot 4

#### 4.6.1.3 Ashanti & Brong Ahafo Region

- Road safety assessment on Offinsu Tollbooth
- Road safety assessment on Kuntense – Obonu highway (Obono scarp)
- Inventory for line marking, road signs, crush barrier on Abono road completed
- Road safety inventory for provision and installation of road signs, line marking crush barriers on upgrading of Kintampo new – Longoro highway (15km)
- Inspecting of site for speed table at Bremang (N10)
- Road safety audit on Kumasi-Sunyani Highway
- Site inspection for provision of pedestrian crossing at Duayaw-Nkwanta highway (N6)
- Road safety assessment of site for speed table at Kona on Mampong road (IR8)

#### 4.6.1.4 Three Regions in the North

- Road safety assessment of upgrading of Wa – Han Highway Project
- Route assessment of Yendi – Tamale Highway
- Road safety assessment of Hamile – Tumu Highway
- Work zone safety assessment of Busunu - Daboya Highway
- Supervision of provision and installation of emergency road signs at the approaches to the Yapei and Buipe bridges
- Inventory of road safety furniture on – Tamale - Buipe, Paga – Bamboi - Sawla, Sawla – Nyoli – Wa, Wa – Hamile and Wa – Han highways
- Work zone safety assessment of:
  - ✚ Wa – Walewale highway
  - ✚ Tumu – Han – Lawra highway
  - ✚ Walawale – Gambaga – Nakpanduri Highway
  - ✚ Yendi – Oti Damanko Highway

#### 4.6.1.1 Head Office

- Inventory of road safety furniture on:
  - ✚ Achimota – Medie section of N6
  - ✚ Mallam junction – Kasoa section of N1
  - ✚ Tema – Sogakofe section of N1
  - ✚ Tema roundabout – Atimpoku section of N2
- Road safety assessment at community 25 – Devtraco junction section of N1
- Work zone safety assessment of:
  - ✚ Asikuma – Hohoe section of Eastern Corridor
  - ✚ Hohoe - Jasikan section of Eastern Corridor
- Nkwanta – Oti Damanko section of Eastern Corridor

- Road Safety Audit stage three (3) of Nkwanta – Dambai Highway Project
- Accident investigation and analysis of 20 blackspot sites nationwide - ongoing
- Handing over of four (4) project sites for commencement of street lighting projects at:
  - ✚ Mallam Junction – Kasoa - Greater Accra Region
  - ✚ Patang Junction – Aburi – Greater Accra Region
  - ✚ Abedi Pele roundabout – Shishagu – Nyankpala Highway – Northern Region
  - ✚ KNUST Junction - Kumasi – Ashanti Region
- Review, implementation and monitoring of traffic management plan at Accra - Tema Motorway Tunnel Project Site.
- Retro – reflectivity exercise on trial sections at GIMPA

## 4.6.2 Environmental Management Unit

The Unit continued to review, revise and update environmental and social impact assessment reports for road projects submitted by Consultants. In addition to the above, officers of the unit undertook supervision and monitoring of Environmental and Social Management Plans (ESMP) on ongoing development and maintenance projects.

The Unit undertook an Environmental and Social Impact Assessment studies in fulfilment of the JICA requirements for a Grant Aid Assistance for the improvement of the Tema Motorway Roundabout Project.

### 4.6.2.1 Joint supervision with Officials of World Bank

Officials of the Environmental Management Unit and the World Bank undertook a joint supervision mission to monitor the implementation of the environmental and social safeguards on the Agona Junction-Elubo (ALTTFP) and the Ayamfuri - Asawinso (TSP) projects.

### 4.6.2.2 RAP Implementation on the Agona Junction-Elubo (ALTTFP)

The Agona Junction-Elubo Road Rehabilitation Project commenced with the compensation assessment in 2009 and a Resettlement Action Plan (RAP) prepared in accordance with the tenants of the program.

In 2012, the RAP was updated due to changes in the design/road alignment and time lapse. The Ministry of Finance released funds for compensation payment. The payment of compensation started in December 2012 and ended in August 2017.

A total of 5,416 Project Affected Persons (PAPs) have received their compensation in the total sum GH¢26,959,241.84 which was released to the Regional Highway Director, Takoradi. Project Affected Persons who were compensated included owners of buildings/structures, crops and rubber plantations. The table below gives the breakdown of PAPs.

**Table 31: Trend in the Number of PAPs**

Year	Description		Lot 1	Lot 2	Lot 3	Total PAPs
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2009	Buildings/ Structures		80	25	644	<b>749</b>
2009	Crops/ farms		477	566	307	<b>1,350</b>
	<b>Total</b>		<b>557</b>	<b>591</b>	<b>951</b>	<b>2,099</b>
2012	Buildings/ Structures		274	23	761	1,058
2012	Crops/ farms		477	566	307	1,350
	<b>Total</b>		<b>751</b>	<b>589</b>	<b>1,068</b>	<b>2,408</b>
2017	Buildings/ Structures		523	298	1324	2,145
	Crops/ farms		993	1,162	303	2,458
	Bare lands		18			18
	Cemeterie s		153	470	172	795
	<b>Total</b>		<b>1,687</b>	<b>1,930</b>	<b>1,799</b>	<b>5,416</b>

Source: GHA Road Safety & Environment Division September 2017



#### **Grievance redress mechanism as part of RAP Implementation**

Grievances were received throughout the project implementation and continues through the RAP implementation. Many were addressed by the grievance committee and the others who proceeded with the legal process have also received the judgments. Grievances were mostly inadequate compensations, Project Affected Persons (PAPS) whose names were omitted and PAPs whose identities were unknown at the time the assessment was conducted.

#### **4.6.2.3 HIV/AIDS Education and Sensitization**

The Unit monitored HIV/AIDS Education and Sensitization Campaign along the Nkwanta-Oti Damanko and Nkwanta -Dambai Projects. The education comprised of HIV/AIDS education, pictorial presentation on other sexually transmitted infections, a demonstration on the correct use of the male and female condoms, HIV testing and counselling, an open platform discussion as well as distribution of condoms and IEC materials.

### **4.6.3 Axle Load Control Programme**

There are currently Eighteen (18) permanent weighbridge stations (PWS) that have been established to date. Sixteen (16) permanent weighbridge stations were operational during the third quarter. However, the operation at the Offinso - Akom Permanent Station was not very effective due to work activities on the replacement of the weighbridge equipment. The Yapei Station has been temporarily closed down for rehabilitation works; meanwhile a mobile weighing van was located at the Station for weighing activities to continue. The operation of the Aflao Station could not commence due to delay in completion of some minor works. Their operations and locations are detailed in Table 32 below.

#### **4.6.6.1 Mobile Vans**

Four (4) out of the eight (8) Mobile Weighing Vans functioned effectively during the reporting period. These vans operated in the Ashanti, Western, Upper East, and Greater Accra Regions. Three out of the four functioning Mobile Vans have been assigned to Techiman, Yapei and Buipe on the N10 for the enforcement of the 20 tonnes load restriction on the dilapidated bridges at Yapei and Buipe, The remaining four has challenges with the vehicles and the weighing equipment.

#### **4.6.6.2 High Speed Weigh In Motion (HSWIM)**

As reported in the previous quarter, nine (9) HSWIM have been installed at Tema, Dawa, Nsawam, Elmina, Bolgatanga, Agona Junction, Boankra, Akom and Ngleshie Amanfrom. Four (4) out of the nine sites, namely; Ngleshie Amanfrom, Dawa, Elmina and Bolgatanga functioned effectively during the period under review.

#### **4.6.6.3 Portable Weighing Scales**

Portable scales were deployed at Doboro, New Akrade and Adidome for 24-hour monitoring of axle loads on the Ofankor – Nsawam, Tema - Akosombo and Sogakope - Adidome Roads respectively.

#### **4.6.6.4 Axle Load Control at the Ports**

The axle weighers and portable weighing pads located at the Tema and Takoradi Ports were operational during the reporting period. Additional axle weigher is required at the Golden Jubilee Terminal to control over loading of trucks loading from that terminal.

**Table 32: Status of Permanent Weighbridge Stations (PWS)**

<b>Town/City</b>	<b>Location</b>	<b>Strategy</b>	<b>Status</b>	<b>Remarks</b>
1. Tema	Aflao-Elubo road (Coastal Corridor)	Corridor/cordon	Privatised	Operational. Rehabilitation of driveway required
2. Afienya	(Eastern Corridor)	Corridor/cordon	Privatised	Operational.
3. Asuoyeboah	Kumasi – Gonokrom	Corridor/cordon	Privatised	Operational. Parking area required
4. Yapei	Tema – Paga Road (Central Corridor)	Corridor	Privatised	Not Operational. Mobile Weighing Van is being used
5. Bolgatanga	Tema – Paga Road (Central Corridor)	Corridor	Privatised	Operational.
6. Elmina	Aflao-Elubo road (Coastal Corridor)	Corridor	Privatised	Operational.
7. Agona Junction	Aflao-Elubo road (Coastal Corridor)	Corridor	Privatised	Operational. Additional parking space required.
8. Bogoso	(Western Corridor)	Corridor /Hotspot	Privatised	Operational. Rehabilitation of driveway and parking area required.
9. Offinso (Akom)	Tema – Paga Road (Central Corridor)	Corridor/cordon	Privatised	Replacement weighbridge equipment completed
10. Boankra	Tema – Paga Road (Central Corridor)	Corridor/cordon	-	Operational.
11. Akatsi	Aflao-Elubo road (Coastal Corridor)	Corridor	Privatised	Operational. Parking area and driveway to be rehabilitated.
12. Mim	Goaso - Kyeremasu Road	Hotspot	Privatised	Operational.
13. Sefwi Bekwai	Sefwi Bekwai - Sefwi Wiawso Rd	Hotspot	Privatised	Operational.
14. Asokwa	Yamoransa - Anwiankwanta Road	Corridor	Privatised	Operational. Renovation works halted due to inadequate funding
15. Jema	Tema – Paga Road (Central Corridor)	Corridor	Privatised	Operational.
16. Sawla	Fulfusu-Sawla	Corridor		Operational.
17. Damango	Wa-Sawla	Corridor		Operational.
18. Aflao Border	Aflao-Elubo road (Coastal Corridor)	Hotspot		Not Operational yet

**Source: GHA Road Safety & Environment Division September 2017**



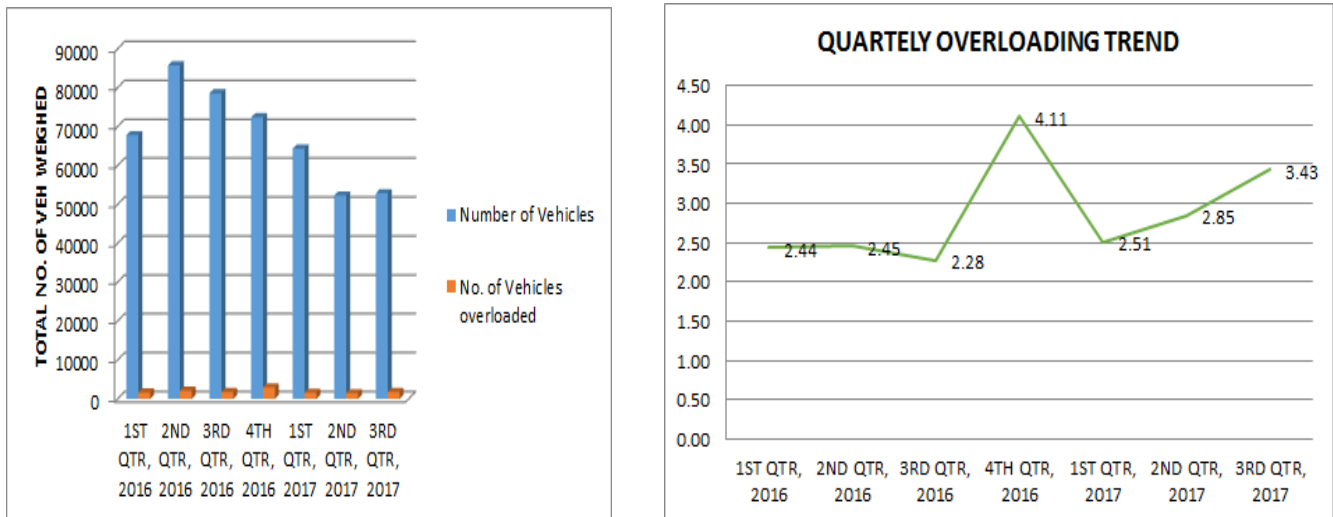
#### **4.6.6.5 Statistics from the Axle Load Stations**

A total number of 52,892 trucks were weighed during the quarter under review. Out of this, 1,813 trucks were overloaded. The analysis of data from the Permanent Weighbridge Stations is provided in Figures 7 and 8 below. The data used for the analysis is gross weights of vehicles weighed at all the permanent weighbridge stations. The analysis showed that, 3.43% of total vehicles weighed were overloaded. Figure 7 shows an increase in the percentages of overloaded trucks weighed from 2.85 % at the end of the second quarter of 2017 to 3.43% at the end of the third quarter of 2017.

The Figure 8 illustrates the monthly overloading trend from January to September, 2017. The trend showed a marginal increase in overloading from 2.3% in January to 4.4% in September. However, the average percentage of overloaded vehicles at the end of the third quarter was 3.43%.

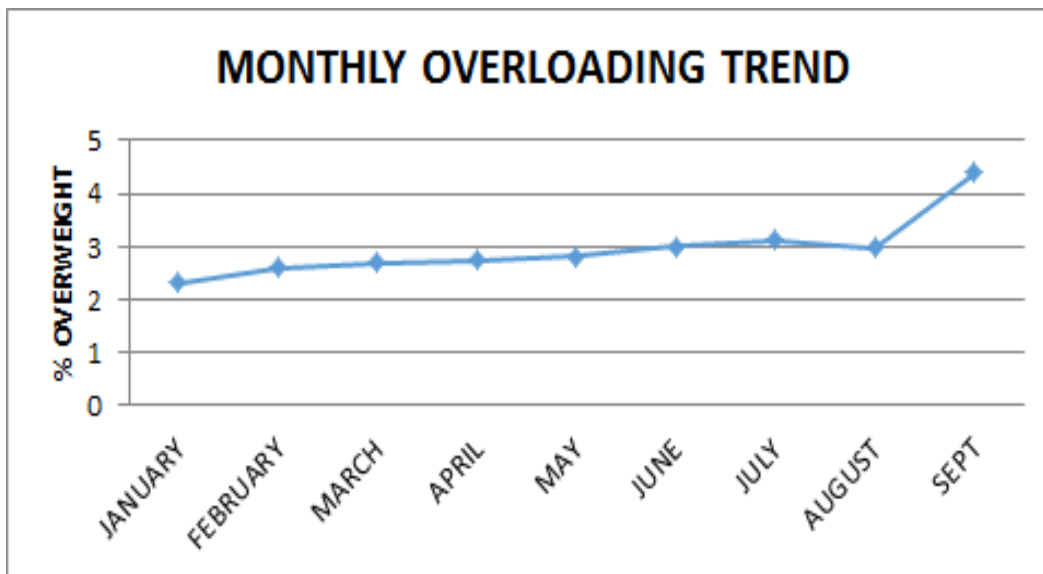
The levels of overloading at the permanent weighbridge stations along the various corridors during the third quarter are presented in Figure 9. The trend showed that, the level of overloading recorded at Sefwi Bekwai and Akom during the period under review was high. Education and sensitization would be intensified to reduce the general increasing trend of overloading.

**Figure 7: Quarterly Overloading Trend for Year 2016 & 2017**



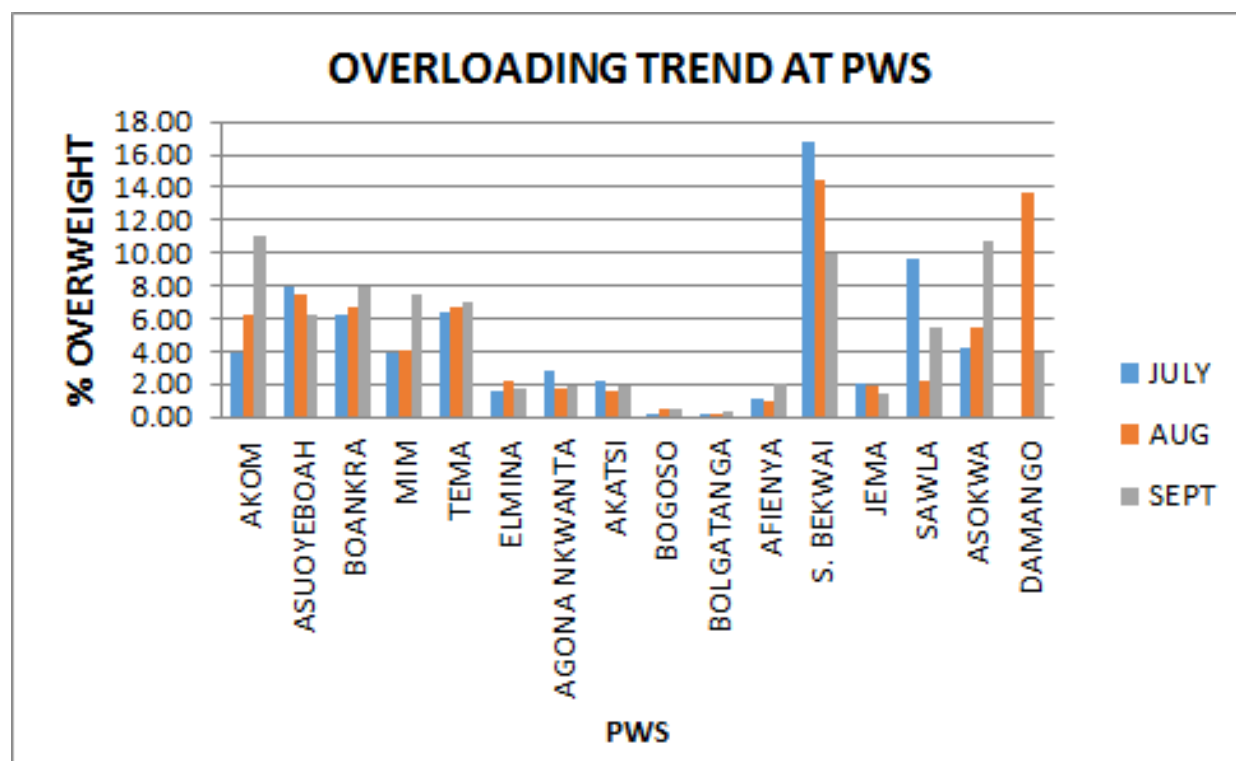
Source: GHA Road Safety & Environment Division September 2017

**Figure 8: Monthly Overloading Trend**



Source: GHA Road Safety & Environment Division September 2017

Figure 9: Comparison of Overloading Trend at PWS



Source: GHA Road Safety & Environment Division September 2017

## 4.7 Survey & Design Division

The following are areas of activities that the Division covered:

- Topographical Survey
- Road Geometric Design
- Right-of-Way Clarification
- Review and Checking of Design Drawings
- Site Meeting Attendance
- Site Inspections

### 4.7.1 Right Of Way Clarification

A total of eleven (11) Right-of-way clarifications were carried out for developers along the

- Proposed Fibre Optic Project from Sefwi Awaso Via Agona Amenfi and Wasa Danso to Dunkwa
- Proposed Fibre Optic Project from Akatsi to Abor
- Proposed Fibre Optic Project within Akosombo
- Community 21 Estate Developments on the Tema – Akosombo Highway
- Construction of a proposed Fuel Service Station at Medie
- Proposed structure on the Accra- Cape Coast Road at McCarthy Hill.
- Access to UMB on the Accra – Aburi Road

### Reconnaissance Survey



Reconnaissance survey was carried out towards the improvement of the current traffic congestion on the four major roundabouts from Ejisu to KNUST junction in the Ashanti Region, the improvement of alignment towards the Kintampo waterfalls in the Brong Ahafo Region and the proposed by-passes at Konongo, Anyinam and Enyeresi.

### Site Inspection





- Damage to property: House No. TAB 250 Ofankor mile 8 Accra - Nsawam Road
- Access to UMB ,Madina

### Site Meetings

The Division was represented at the monthly site meetings of the following projects during the quarter:

-  Wa - Walewale Road
-  Substantial taking over of Ho - Adidome Road (Lot 3)

#### **4.7.2 In-House Survey and Design Works & Review**

-  Emergency works of the upgrading of Ho - Adidome Road (Lot 1, 2, 3) - Adaklu Abuadi - Adaklu Kordiabe Road (2km). This design was done in-house.
-  Nkwanta - Dambai Road.
-  Relocation of Axle Load Station on the Accra – Tema Motorway
-  Dualization of a section of Abuakwa – Tepa Junction Road (Survey was carried out by the Contractor)

## CHAPTER FIVE

### 5.0 CONCLUSION

As reported in the last report, the Ghana Highway Authority in its 2000 – 2015 strategic plan proposed to achieve a road network condition mix of 70% good, 20% fair and 10% poor. With a projected improvement rate of about 7% per annum, it was envisaged that by the close of December 2015, the target road surface condition mix of 70% good, 20% fair and 10% poor would be achieved with adequate injection of resources. The road condition mix for the year 2016 stood at 56% good, 37% fair and 7% poor.

Due to inadequate funding from the Central Government in the area of expenditure under Goods and Services, Salary and Non Salary Related Allowances, the IGF potentials within the jurisdiction of Ghana Highway Authority (GHA) should be strictly and assiduously harnessed. This is to ensure that the Authority gets adequate funding to meet expenses to reduce tension in the System.

The Authority as always will strive to continue to uphold its set objectives, which are measurable, relevant, specific, achievable and consistent to its mission statement. The following objectives have been set out in the way forward;

- ✚ Improving Road Condition by improvement and maintenance of the trunk road network
- ✚ Enforce Axle Load control laws to protect the investments made in roads.
- ✚ Open new Toll stations to ensure that funds are readily available for road maintenance
- ✚ Reducing Accident Fatalities on the trunk road network through improvement of safety measures
- ✚ Reducing Travel Time on heavily trafficked trunk road sections through grade separation.
- ✚ Ensuring that road development and maintenance programmes are executed with environmental and social mitigation measures
- ✚ Adequately recruiting, training and motivating all categories of requisite staff and providing the needed logistics to undertake the services.
- ✚ Take practical steps to reduce energy consumption.

### 5.1 Key Performance Indicators

Ghana Highway Authority under the SOE Performance Contract signed between the Authority and Government of Ghana is evaluated at the end of the Performance Contract period. The evaluation is based on four areas of performance. These are in the Financial/Economic, Efficiency/Productivity, Dynamic Effects and Management/Projects areas.

A performance index score, which is a measure of the overall performance using agreed performance indicators and weights are given to them based on their relative importance. The scoring process is therefore based on the Financial/Economic, the Dynamic Effects and Management Improvements/Projects indicators using the negotiated weights.

The Authority evaluates its performance at the end of every quarter following the four areas of performance. Table 33 below shows the status of GHA Performance Matrix categorized into the four areas of performance as at September 2017.

## 5.2 Constraints

### Inadequate Staff

The technical staffing situation has become critical. The Authority is operating with about 53.7% of the approved capacity. Almost all Divisions are under-staffed in both technical and non-technical staff. Some of them are operating with only about 45% capacity of its technical human resources requirements and thus put immense pressure on existing staff thus affecting efficiency in most Divisions.

The skilled staff population is seriously dwindling with no approval for replacement; should this trend continue without vigorous implementation of the GHA replacement plan, the staff strength will reduce so drastically that the Authority may not be able to meet its strategic objectives in the foreseeable future.

This is a very serious issue considering that the Authority needs technical staff in all sectors of its operations. Figure 10 below depicts the category of staff by numbers and percentages.

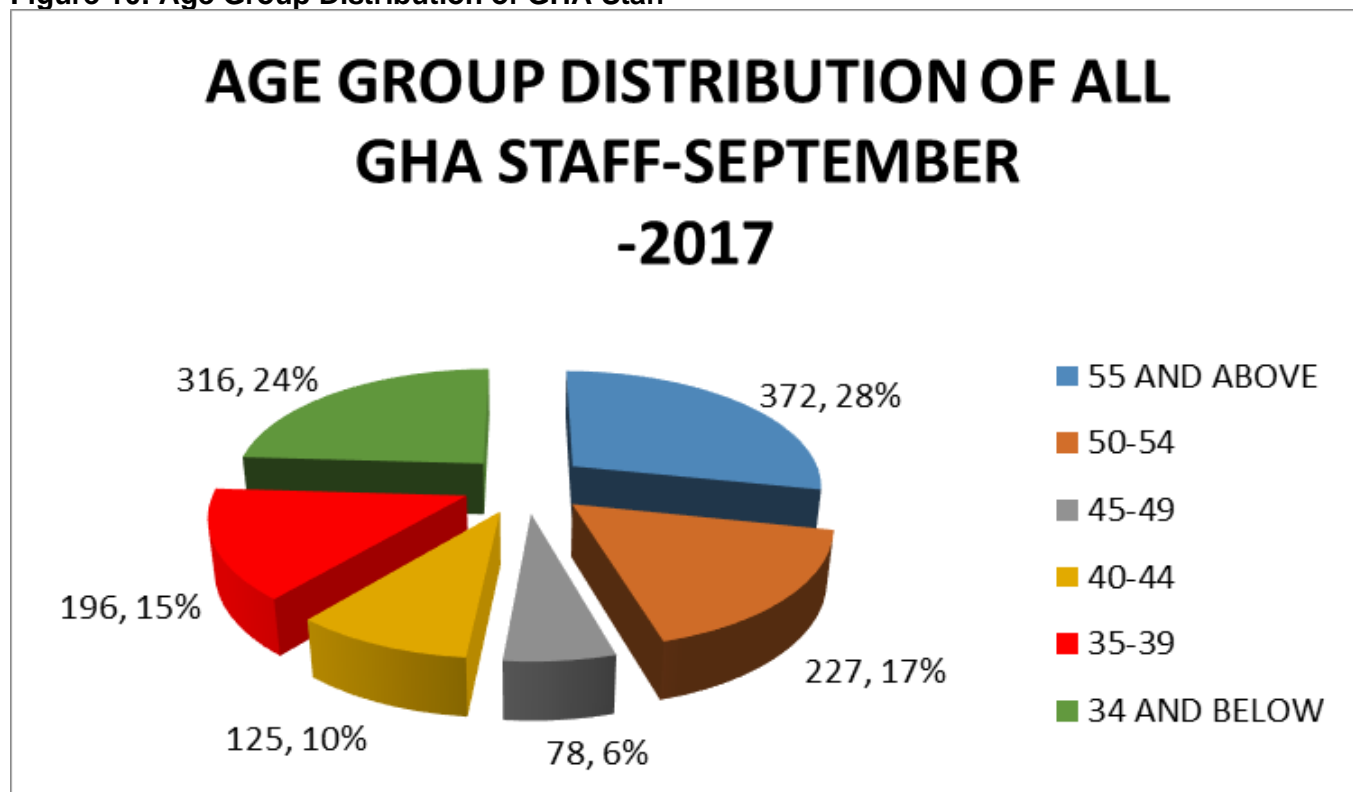
**Table 33 Status of 2017 Performance Matrix Quarterly Monitoring Indicators**

Performance Monitoring Indicators	Units	Targets (Approved)	Jan-March (Actual)	April-May (Actual)	July-Sept. (Actual)	Oct.-Dec. (Actual)	% Achieved as at December 2017	Remarks
<b>A. Financial/Economic</b>								
<b>1. Total Revenue of which</b>								
(a) Road Fund	GH ¢	250,000,000.00	-	-	82,598,000.00		<b>33.04</b>	
(b) Donor Funds	GH ¢	187,560,577.00	14,208,000.00	32,440,000.00	14,044,000.00		<b>32.36</b>	
(c) Other funds - Annual Budget Funding Amount (ABFA)	GH ¢	96,500,000.00	-	12,976,000.00	3,105,000.00		<b>16.66</b>	
(d) Subvention	GH ¢	24,627,506.00	-	-	7,390,000.00		<b>30.01</b>	
(e) Internally generated revenue	GH ¢	3,503,296.00	419,925.00	674,819.43	2,215,801.00		<b>94.50</b>	
<b>2. Internally generated revenue / Recurrent Expenditure</b>	%	53,414,000.00	455,538.84	1,105,938.00	822,056.13		<b>4.46</b>	
<b>AxelLoad generatd revenue</b>			1,577,721.00		1,404,595.93			
<b>AxelLoad Expenditure</b>				739,560.00	1,553,198.47			
<b>B. Efficiency/Productivity</b>								
<b>1. Staff cost/Subvention</b>	%	0.07	0.13	0.20				Staff cost represents 4% of 2017 subvention received from Government
<b>2. Improve trunk road condition mix : Good</b>	%	55	57*	57*	57*	57*		<b>* 2016 Road Condition report</b>
: Fair	%	36	36*	36*	36*	36*		
: Poor	%	9	7*	7*	7*	7*		
<b>3. Labour strength</b>	No.	1700	1505	1480	1450	1450	<b>87.06</b>	
<b>C. Dynamic Effects</b>								
<b>1. Staff training</b>								
(a) Submission of 2017 budgeted training programme	Month	February						No PC for 2016
(b) Implementation of budgeted training programme	%	100	6.58%	19.13%	0.00		<b>0.26</b>	
<b>2. Corporate Planning</b>								
Submission of updated Corporate Plan (2017 – 2037)	Month	November						2017-2037 Strategic Plan completed and submitted.
<b>3. Road Maintenance</b>								
(a) Submission of Road Maintenance & Minor works Programme	Month							No PC for 2016
(b) Implementation of i) Routine Maintenance Programme	%	80	13.81	50.6	28.41		<b>116.03</b>	
ii) Periodic Maintenance Programme	%	80	12.59	41.81	5.56		<b>74.95</b>	
iii) Minor works Programme	%	40	-	-				
<b>4. Road Safety Management</b>								
(a) Submission of 2017 Road Safety Management Programme	Month	January	-	-	-			submitted
(b) Implementation of Road Safety Management Programme	%	100	0	0	0.00		<b>0.00</b>	No funds released
<b>D. Management Improvement/Projects</b>								
1. Submission of Quarterly Reports	Weeks	6	8	-	-			
2. Conformance to SEC Report Format	No.	6	6				<b>100.00</b>	Conforms to SEC report format
3. Submission of 2016 Audited Accounts	Month	March	-	-	-			2016 Draft Audit Report is yet to be issued by GHA's external auditors.
4. Submission of 2017 Draft Performance Contract & Budget	Period	October	-	-	-			Submitted
5. Submission of Approved Board of Directors Minutes	Weeks	1	-	-	-	-		Pending
6. Submission of filled out Integrated SOE Database forms	Month	June	-	-	-	-		
7. Accuracy & Completeness of filled out SOE Database forms	%	90	-	-	-	-		
8. Holding of Annual Open Day	Month	August	-	-	-	-		Pending
9. Submission of 2017 Procurement Plan	Month	December	-	-	-	-		Pending
* The figures are constant until the 2017 Road Condition Report	Month	December	-	-	-	-		Pending

**Source: GHA Planning Division**



**Figure 10: Age Group Distribution of GHA Staff**



*Source: GHA Human Resource Division, September 2017*

**In addition to shortage of staff other major constraints facing the Authority are categorized below are:**

- ✚ Overage vehicles in all the Departments of the Authority
- ✚ Urgent needs of Materials Division for Laboratory Equipment to carry out test for the public to generate IGF and as well for their normal operations.
- ✚ Overage and inadequate IT equipment and software for staff
- ✚ Poor contractor capacity and performance.
- ✚ Delay in payment of compensation due to long valuation procedures and inadequate budgetary allocation.
- ✚ Inadequate release of funds for Recurrent, Investment and Capital Investments. This has led to some few Contractors over the reporting period suspending works on their projects citing delayed payment of IPCs by the Employer. It is anticipated that payments would soon be effected by the Employer to enable them resume the works.

## 5.3 The Way Forward

The Authority as always will strive to continue to uphold its set objectives, which are measurable, relevant, specific, achievable and consistent to its mission statement. The following objectives have been set out in the way forward to address the constraints stated above

- ✚ To address the critical shortage of staff that are exiting the Authority every now and then, an urgent request have been sent to Public Service Commission for approval to replace the exited staff
- ✚ It is hoped that, when the TSIP takes off the Information Communication & Technology needs and vehicle needs for both head office and the regions will be addressed. NITA is also providing some IT services to the Authority namely – internet, corporate email services and a request has also been made for Backup storage services.
- ✚ In addressing the poor contractor capacity and performance, the Authority in collaboration with the MRH have intensify the monitoring and Contractor classification system.
- ✚ Enforce Axle Load control laws to protect the investments made in roads.
- ✚ Open new Toll stations with requisite automation to ensure that funds are readily available for road maintenance.
- ✚ Reducing Travel Time on heavily trafficked trunk road sections through grade separation.
- ✚ Ensuring that road development and maintenance programmes are executed with environmental and social mitigation measures
- ✚ Explore IGF potentials within the jurisdiction of Ghana Highway Authority (GHA) and assiduously harness it to increase the IGF generation to be able to meet its operational expenses.

## 5.4 Conclusion

Despite all these challenges GHA continues to discharge its duties creditably. The Authority will also continue with its programs for the maintenance, rehabilitation and reconstruction of sections of the network to ensure reasonable level of service. The Ghana Highway Authority requires support from our development partners and GOG to be able to implement planned and approved programs.