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ABBREVIATIONS & ACRONYMS

<i>AfDB</i>	-	African Development Bank
<i>BADEA</i>	-	Arab Bank for Economic Development in Africa
<i>BMU</i>	-	Bridge Maintenance Unit
<i>CAGD</i>	-	Controller & Accountant General's 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>MOU</i>	-	Memorandum of Understanding
<i>MRH</i>	-	<i>Ministry of Roads & Highways</i>
<i>NITA</i>	-	National Information Technology Agency
<i>OECF</i>	-	Overseas Economic Cooperation Fund
<i>PAP</i>	-	Project Affected Persons
<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

Appendix	A	GHA Organisational Structure
Appendix	B	Status Report for Development Projects December 2018
Appendix	C	Status Report for Consultancy Services December 2018

EXECUTIVE SUMMARY

The Ghana Highway Authority (GHA) under the Ministry of Roads and Highways (MRH) is charged by Ghana Highway Authority 1997 Act 540 with the responsibility of developing, managing and maintaining the trunk road network in Ghana.

It is important to emphasize that infrastructure development is one of the pivot of national development and Ghana Highway Authority (GHA) plays a critical role in the provision of road infrastructure. This role is clearly stated in our Mission Statement.

GHA Vision, Mission Statement and Target

GHA Vision

Being a world-class provider of safe road infrastructure.

Mission Statement

GHA provides Road Infrastructure Engineering and Management Services: project appraisal, feasibility studies and detailed design; contract preparation and administration; maintenance and operation; civil engineering materials prospecting and testing for roads, bridges and road safety facilities at best value – least cost to support the socio-economic development of Ghana and beyond.

Target Road Condition Mix

One of the GHA's main policy objectives is to accelerate the realization of the mission statement, is to maximize the benefits from existing and planned highway investments in order to provide a trunk road network at an optimal condition mix of:

70% good, 20% fair and 10% poor in the foreseeable future.

GHA had hoped to achieve the targeted road network condition mix of 70% good, 20% fair and 10% poor by the end of the year 2015, but this suffered a serious jolt, due to accumulated financing gaps in road maintenance of annual programmes over the years.

It is hoped that GHA will be able to attain the set national target of the road condition mix in the foreseeable future.

The GHA is responsible for the administration, development and maintenance of trunk roads and related facilities in the country. In pursuance of the discharge of this responsibility, the Authority has been charged with the following:

- a) To plan, develop, maintain and administer the trunk road network, ferries, traffic devices and related works;
- b) To control traffic on trunk roads with the aim of providing safe and adequate infrastructure for road transportation commensurate with the economic development of Ghana;
- c) To undertake research or collaborate with any research organization with the view to facilitating its planning, development, maintenance and administrative activities,
- d) To collect and preserve data relating to its functions as it considers expedient;

- e) To collect toll and other revenue on behalf of the Government on the trunk road network;
- f) To negotiate concession agreements with private sector entities;
- g) To carry on any other activity as appear to the Authority to be conducive or incidental to the attainment of its responsibility;
- h) To develop human capital adequate to achieve the mission of GHA.

Condition Mix of the Ghana Highway Authority's Road Network as at End of Year 2017

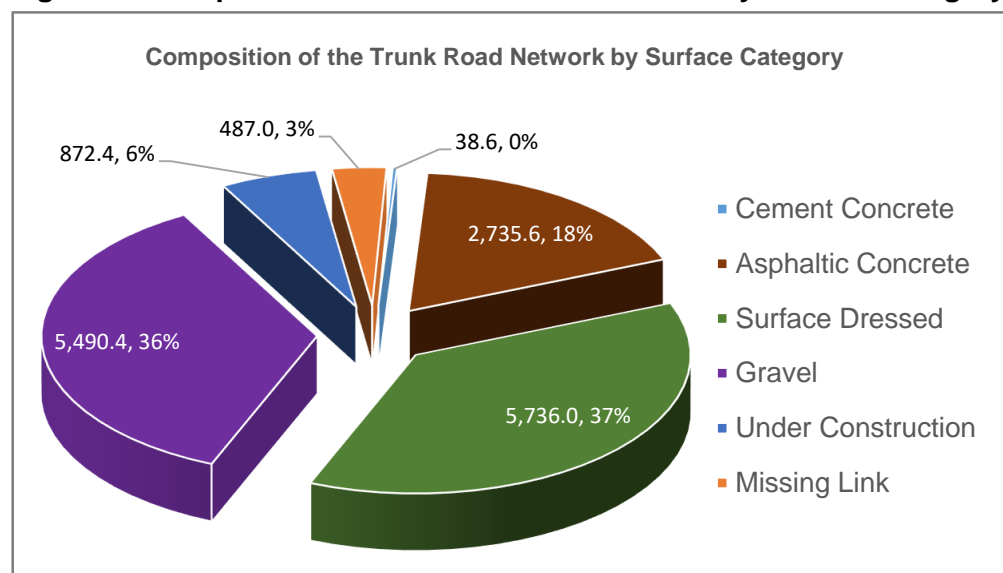
The composition of the trunk road network by surface category, after the 2017 Road Condition Survey and Roughness measurements, is as shown in Table I and Figure 1

Table 1: Composition of the Trunk Road Network by Surface Category (2017)

Surface Category	Length (km)	Percentage (%)
Cement Concrete	38.6	0.3
Asphaltic Concrete	2,735.6	17.8
Surface Dressed	5,736.0	37.3
Gravel	5,490.4	35.7
Sub Total (Surveyed)	14,000.6	91.1
Under Construction	872.4	5.7
Missing Link	487.0	3.2
Grand Total	15,360.00	100

Source: GHA Road Maintenance Division, December 2018

Figure 1: Composition of the Trunk Road Network by Surface Category



Source: GHA Road Maintenance Division, December 2018

Road Network Surveyed the Year 2017

A total of 14,000.62km of Paved and Gravel roads, which forms 91.1% of the total trunk roads network, were surveyed and classified into Good, Fair and Poor conditions.

Roads under construction and missing links with their respect lengths of 872.4km and 487km were not surveyed. The reason being that roads under construction often have several detours resulting in a misrepresentation of their actual lengths and surface roughness measurements of the actual road profile. Another reason for their exclusion is to have a common reporting system with the Abidjan – Lagos Corridor Organization (ALCO) group of which Ghana is a member. The missing links were also not surveyed because they are not accessible.

For both Paved and Gravel roads surveyed, the overall condition mix for 2017 stands as shown in Table 2.

Table 2: 2017 Road Surface Condition Mix (National)

Condition Description	Length (km)	Percentage (%)
GOOD	7,544.02	54
FAIR	4,874.20	35
POOR	1,582.40	11
TOTAL	14,000.62	100

Source: GHA Road Maintenance Division, December 2018

Functional Classification of Roads

Trunk Roads in Ghana are functionally classified as either National (N), Inter Regional (IR) or Regional (R) roads. Table 3 and Figure 2 show a graphical representation of the functional classification in lengths and percentages.

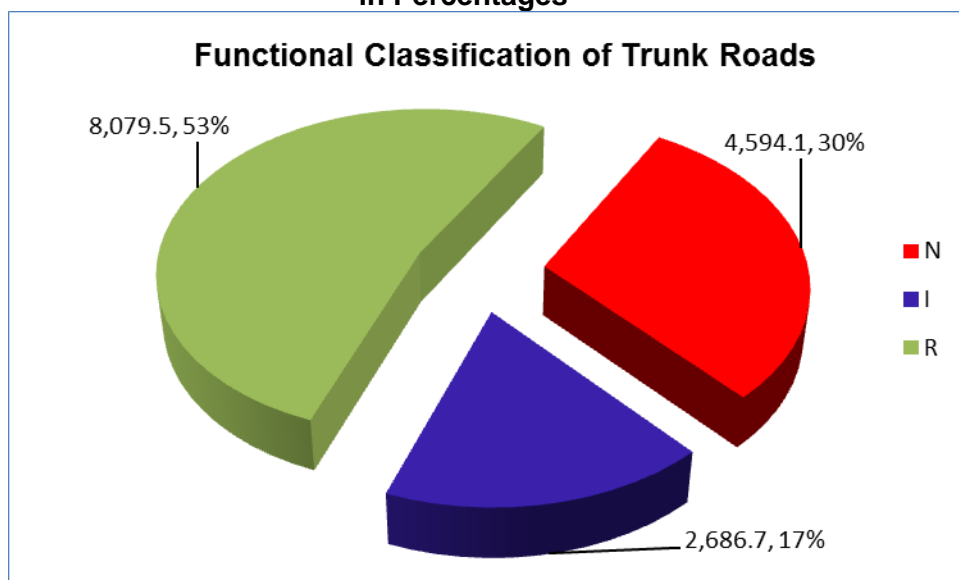
Table 4 lists and defines the National roads their route numbers, the various major cities, towns and regions that the national roads traverse.

Table 3: Functional Classification of Trunk Roads

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

Source: GHA Road Maintenance Division, December 2018

Figure 2: Graphical Representation of Functional Classification in Percentages



Source: GHA Road Maintenance Division, December 2018

Table 4: National Roads

Route No	Name	Major Towns Roads Traverse	Regions that the Roads Traverse
N1	Trans West Africa Highway	Aflao, Tema, Accra, Cape Coast	Volta, Greater Accra, Central and
		Takoradi, Elubo	Western Regions
N2	Eastern Corridor	Tema ,Asikuma, Hohoe, Jasikan, Nkwanta	Greater Accra and Volta
		Bimbila, Yendi, Gushiegu-Kulungugu	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, Damongo and Fulfulso	Northern Region
N8		Yamonransa, Assin Fosu, Anwiankwanta, Kumasi	Central and Ashanti 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 and 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, Kupulima	Upper West Region
N18		Wa, Han	Upper West Region

Source: GHA Road Maintenance Division, December 2018

CHAPTER ONE

1.0 Introduction

1.1 Establishment

The Ghana Highway Authority was initially established under NRC Decree 298 in December 1974. This has been superseded by Act 540 of December 1997 to reflect changes which have occurred in the road sub-sector and the role GHA has to play in the national socio-economic developmental agenda.

1.2 Policy Objective

To accelerate the realization of the vision and mission statement, the Authority has devised the following policy objectives:

- **Improving road condition:** To maximize the benefits from existing and planned highway investments in order to provide a trunk road network at an optimal condition mix (classified into 70% good, 20% fair or 10% poor), such that total road transport cost (construction, maintenance and vehicle operation) is at a minimum;
- **Reducing accident fatalities:** To design and implement safety schemes on our network reduce accident fatalities.
- **Reducing travel time:** To product trunk roads without unnecessary delays.
- **Protecting the pavement from Axle load damage:** To produce road pavement from early deterioration by monitoring and ensuring that axle loads on our pavements are within tolerable limits:
- **Environment and social mitigation:** To ensure that our project activities do not impact negatively on the environment and society.
- **improving quality of systems delivery:** To ensure total quality in the delivery of our products.
- **Generation in Internal Funds:** To generate internal funds to sustain corporate operation expenditure and payment of staff salaries.
- **Collaboration with Private Sector in Road Construction:** To negotiate concession agreements with Private Sector entities in Road Construction sector to enable them finance, build and operate selected trunk roads as tolled roads.
- **Administration and human resource development:** To develop human capital adequate enough to enable staff achieve GHA goals

1.3 Governing Body

The Authority has a Board of Directors as its governing body in accordance with the Ghana Highway Authority Act, 540 1997. The Board, which is appointed by the President in consultation with the Council of State, is responsible for securing the effectiveness of the functions of the Authority. The Board consists of ten members which are listed below in Table 5.

Table 5: Board Members of Ghana Highway Authority

	Names	Position	Organisation
1	Dr. Francis Achampong	Board Chairman	President's Nominee
2	Mrs. Mangowa Ghanney	Member	Ministry of Finance
3	Mr. Edmond Offei Annor	Member	Ministry of Roads & Highways
4	Mr. Felix Aboagye	Member	Road User's Association
5	Mr. Ernest Arthur	Member	Ghana Highway Authority
6	Mr. Benjamin Ewusi Darbah	Member	Private Road Transport Unions
7	Ing. Sir Fredrick Kwabena Akwaboah	Member	Ghana Association of Consultants
8	Mr. Senyo Kwasi Hosi	Member	Private Enterprise Federation
9	Mrs. Adelaide Anno-Kumi	Member	Ministry of the Interior
10	Mr. Ben Asomani	Member	Ministry of Environment Science & Technology

Source: GHA Public Affairs Division, December 2018

1.4 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).

1.5 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 Road Area offices nation-wide. The Internal Audit Division, though directly responsible to the Chief Executive, is under the Administration Department for administrative purposes.

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

CHAPTER TWO

2. 0 Financial Status Report

Approved Budget for Year 2018

The Theme for 2018 National Budget is “putting Ghana back to work”. The 2018 National Budget has been developed with special emphasis on entrepreneur culture through the National Entrepreneurship Innovation Programme among the youth under the age of 35, investing in strategic infrastructure, industrialization, agriculture and expansion of 2017 initiatives and initiate new ones. (Source: 2018 Budget)

The focus of the budget is on these areas.

1. People
2. Building partnership
3. Prosperity
4. Peace on a safe planet
5. Job creation

(Source: 2018 Budget)

The budget has been prepared to realize the President’s vision of “creating an optimistic self-confident and prosperous nation through creative exploitation of our human and natural resources and operating within a democratic, open and fair society in which mutual national trust and economic opportunity exists for all” – “Ghana beyond aid” (H.E. President Akufo Addo). (Source: 2018 Budget)

The Key initiatives outlined in the 2018 National Budget are summarized below:

- (i) Launch a National Development Bank
- (ii) Restructure Ghana Infrastructure Investment Fund
- (iii) Reduction of Electricity tariffs
- (iv) Establish Voluntary Education Fund
- (v) Planting for food and jobs
- (vi) Build 192 small Dams under 1 District, 1 Dam programme
- (vii) Grant Tax Incentives to young entrepreneurs

Strategies to be adopted to realize the goals set in the budget inter alia stated below:

- (i) Widening the tax base
- (ii) Fiscal discipline
- (iii) Fiscal transparency
- (iv) Review of the current Income Tax threshold
- (v) Investing in strategic sectors of the economy
- (vi) Extension of National Fiscal Stabilization Levy

(Source: 2018 Budget)








Under the 2018 National budget, one of the major focus is strategic infrastructure. To this end the Government of Ghana under the Ministry of Roads and Highways (MRH) was allocated GH¢ 532.69m representing about 8% of the capital expenditure budget of the country out of which GH¢ 242,280,229.00 was allocated to GHA from the MRH budget.

This constitutes of Compensation for Employees, Goods & Services and Investment in infrastructure.

GHA programmed to use these budgetary allocations for the construction of the following roads and bridges

The following projects were budgeted for execution in the National Budget by GHA

1. Construction; 56km trunk roads, (Details of the roads are provided below)
Bridge on the Volta River at Volivo

-  Nsawam Apedwa
-  Kwafokrom Apedwa
-  Tamale Yendi
-  Bolga-Bawku
-  Nkwanta Oti Damango
-  Berekum Seikwa
-  Enchi Dadeiso

The progress of works on these projects will be reported in the progress and achievement section of this report

Recurrent Expenditure

Details of the Approved Budget Ceilings and the pattern of releases for the year under review are provided below:

Details of the Approved Budget Ceilings for the year 2018 and the pattern of releases as at 31st December, 2018 are provided below:

ITEM DETAILS	Budget Approved GH¢	Amount GH¢	%Released
1. Compensation for Employees	25,675,286.00	26,492,509.89	103.18
2. Goods and Services	585,060.00	263,281.69	45.00
3. Investment – GOG: ABFA	89,842,952.00	30,403,538.77	33.84
Arrears (31 st Dec., 2018)	968,485,430.00	298,433,090.62	30.81
4. Investment - Road Fund	80,000,000.00	56,007,965.11	70.01
Arrears (31 st Dec., 2018)	405,011,353.80	254,316,597.37	62.79
5. IGF (including Axle Load)	15,129,959.00	13,853,376.93	91.56
6. Investment - Donor	126,178,931.00	190,302,581.30	150.82
7. Tolls operational budget	18,370,000.00	14,647,141.50	79.73
8. Tolls operational arrears	4,608,379.60	4,608,379.60	100.00
	Arrears as at 30th December, 2018	Amount Released	%
Salary Related Allowances	5,885,856.00		
Road Arrears: GOG	1,113,075,330.67		
Road Fund	1,014,388,781.15		

Routine Maintenance

An amount of GH¢125,364,510.60 was brought forward for routine maintenance at 1st January, 2018. Contract certificates raised during the year amounted to GH¢234,184,236.77, whilst payments made by Road Fund Secretariat was GH¢37,288,785.30. The amount outstanding as at 31st December, 2018 was GH¢355,061,547.40.

GHA Units

An amount of GH¢6,924,183.01 was received for Mobile Maintenance Units from Road Fund Secretariat during the year 2018. Amounts of GH¢19,379,937.12 and GH¢420,000 were received from Road Fund Secretariat during the year for Toll and staff training respectively. Again, the Authority received an amount of GH¢1,486,141.00 from Road Fund Secretariat for Road Condition survey.

Periodic Maintenance and Minor Works

An amount of GH¢420,031,500.38 was outstanding for work done under Periodic Maintenance & Minor Works as at 1st January, 2018. The certificates submitted for work done during the year amounted to GH¢528,704,944.42 whereas payment made as at 31st December by Road Fund Secretariat was GH¢241,325,516.05. The outstanding amount for Road works as at 31st December, 2018 was GH¢707,410,929.75.

Development/Capital Projects

An amount of GH¢928,033,623.40 was outstanding as at 1st January, 2018 for GOG Funded Projects. Certificates submitted for work done as at 31st December amounted to GH¢487,505,442.78. Payment for the year amounted to GH¢328,836,629.39. The total outstanding certificates as at 31st December, 2018 to GH¢1,086,702,436.79.

The details of the releases from the Government of Ghana and the various Donors are as shown below in Tables 6.

Table 6: Summary of Funds Released As at 31st December 2018

	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total
Recurrent:					
Item 1 - Compensation -Salaries & Wages	GHC 6,023,653	GHC 6,216,488	GHC 8,128,667	GHC 6,123,701	GHC 26,492,509
Item 2- Goods & Services	GHC 0	GHC 117,011	GHC 0	GHC 146,270	GHC 263,282
Item 3- Salary Related Allowances	GHC 0	GHC 0	GHC 0	GHC 0	GHC 0
Subtotal Total Recurrent	GHC 6,023,653	GHC 6,333,499	GHC 8,128,667	GHC 6,269,972	GHC 26,755,791
Item 4 - Investment					
Routine Maintenance	GHC 21,920,866	GHC 5,264,941	GHC 0	GHC 10,102,978	GHC 37,288,785
Periodic Maintenance & Minor Works	GHC 43,787,165	GHC 42,326,132	GHC 0	GHC 154,170,825	GHC 240,284,122
Road Condition Survey	GHC 0	GHC 0	GHC 0	GHC 1,486,141	GHC 1,486,141
Consultancy - Road Fund/Training		GHC 800,487	GHC 1,100,487		GHC 1,900,974
Subtotal Investment	GHC 65,708,031	GHC 48,391,560	GHC 1,100,487	GHC 165,759,944	GHC 280,960,022
Ferry operation	GHC 0	GHC 0	GHC 0	GHC 0	
GHA Units	GHC 1,963,292	GHC 3,911,624	GHC 0	GHC 1,049,267	GHC 6,924,183
Tolls Operation - Current	GHC 0	GHC 6,743,371	GHC 0	GHC 8,028,187	GHC 14,771,558
Tolls Operation (To pay last year arrears)	GHC 4,608,380	GHC 0	GHC 0	GHC 0	GHC 4,608,380
Subtotals Totals Toll Operations	GHC 4,608,380	GHC 6,743,371	GHC 0	GHC 8,028,187	GHC 19,379,937
Axle Load and Weighing Management	GHC 925,835	GHC 2,371,592	GHC 579,024	GHC 2,559,439	GHC 6,435,890
Compensation		GHC 3,500,000	GHC 0	GHC 0	GHC 3,500,000
Capital/Investment					
GOG Release (both current & arrears)	GHC 0	GHC 0	GHC 316,805,238	GHC 12,031,391	GHC 328,836,629
DONOR					
EU	\$ -	\$ -	\$ -		\$ -
TSP	\$ 1,119,196.00	\$ 1,616,849.39	\$ 1,069,671.00	\$ 2,010,703.00	\$ 5,816,419.39
TSIP	\$ 458,624.46	\$ 26,463.05	\$ 592,244.65	\$ 190,829.31	\$ 1,268,161.47
BRAZIL	\$ 15,512,801.55	\$ -	\$ -	\$ 18,561,705.52	\$ 34,074,507.07
WATTFP					\$ -
Grand Total \$	\$ 17,090,622.01	\$ 1,643,312.44	\$ 1,661,915.65	\$ 20,763,237.83	\$ 41,159,087.93

Source: GHA Finance Division December 2018

Road and Bridges Toll

Total revenue accrued from tolls excluding ferries as at 31st December, 2018 was GH¢71,429,387.01. This represented 6.60% increase as compared to the amount of GH¢67,011,247.73 collected for the same period as at 31st December, 2017.

The recorded net increase of GH¢4,418,139.28 was due to the cash collection exercise at some of the Toll stations as well as monitoring activities and increase in vehicular traffic.

Table 7: Comparative Revenue Performance for Manual & Automated Stations As At December, 2018 & 2017.

Toll Revenue Type	As at 31st December, 2018 GH¢	As at 31st December, 2017 GH¢	Increase/Decrease GH¢
Toll Revenue from Roads and Bridges	71,429,387.01	67,011,247.73	4,418,139.28
Toll Revenue from Ada Ferry	73,344.90	00.00	73,344.90
Total	71,502,731.91	67,011,247.73	4,491,484.18

Source: GHA Finance Division December 2018

Table 8: Comparative Toll Revenue Performance (Actual & Budget, 2017 & 2018)

Toll Revenue Type	Budget as at 31st Dec., 2018 GH¢	Actual Collection, as at 31st Dec., 2018 GH¢	Percentage Achieved, as at 31st Dec., 2018 %	Actual Collection, as at 31st Dec., 2017 GH¢
Revenue from manual toll stations	48,281,076.00	45,745,052.48	93.20	41,399,452.35
Revenue from Ada Ferry	126,000.00	73,344.90	58.21	00.00
SUB-TOTAL	48,707,676.00	45,818,397.38	93.11	41,399,452.35
Revenue from Automated Toll Stations	26,699,400.00	25,684,334.53	96.20	25,611,795.38
GRAND TOTAL	75,407,076.00	71,502,731.92	94.20	67,011,247.73

Source: GHA Finance Division December 2018

Audited Accounts

The Board of Directors approved the 2017 audited Financial Statement during the year.

CHAPTER THREE

3.0 Road Condition Mix for Year 2017

Road Condition Mix for Year 2017

A total of 14,000.62km of Paved and Gravel roads, which forms 91.1% 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.

Table 9 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 9: Regional Road Surface Condition Mix (Year 2017)

Region	Good		Fair		Poor		Total
	km	%	km	%	km	%	km
Ashanti	689.7	42%	668.0	41%	271.7	17%	1,629.4
Brong Ahafo	910.1	54%	449.4	27%	335.1	20%	1,694.6
Central	514.6	44%	587.5	50%	76.0	6%	1,178.1
Eastern	584.1	40%	724.6	49%	156.6	11%	1,465.3
Greater Accra	192.3	39%	264.0	53%	38.6	8%	494.9
Northern	1,954.0	67%	685.1	23%	282.6	10%	2,921.7
Upper East	143.3	25%	354.4	63%	69.2	12%	566.9
Upper West	752.9	71%	251.9	24%	59.1	6%	1,063.9
Volta	948.9	71%	315.4	23%	81.6	6%	1,345.9
Western	854.1	52%	573.9	35%	211.9	13%	1,639.9
Total	7,544.0	54%	4,874.2	35%	1,582.4	11%	14,000.6

Source: GHA Road Maintenance Division December 2018

3.1 Road Network Condition 2010-2017

The 2017 road condition report makes comparison with those of 2010 – 2016. The length of roads in good condition increased from 3,865km (29%) in 2010 to 8,171.92 (56%) in 2016 at a steady average annual increase rate of 13.29%. It, however, decreased from the 2016 figure of 8,171.92km to 7,544.0km in 2017. This reduction has resulted from the low funding for road maintenance activities from the Ghana Road Fund.

Table 10: Comparison of the Surveyed Road Surface Network Condition 2010-2017

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	3758	28	5,019	38	13,343
2012	6,184	46	4412	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
2017	7,544.0	54	4,874.2	35	1,582.4	11	14,000.6

Source: GHA Road Maintenance Division December 2018

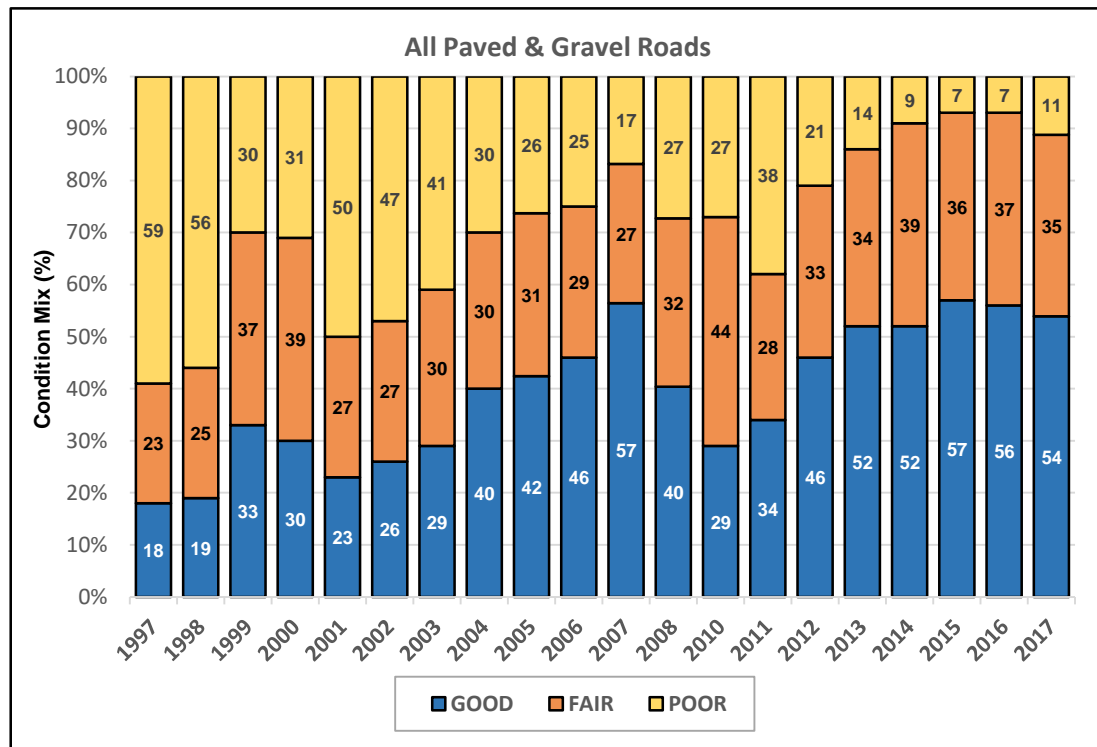
Table 11 and Figure 3 show the progression of road surface condition for both paved and unpaved roads for the period 1997-2017.

Table 11: Condition Mix of Paved & Unpaved Road Network Condition from 1997 to 2017

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
1998	2,566.0	19	3,377.0	25	7,564.0	56	13,507.0
1999	4,433.0	33	4,970.0	37	4,030.0	30	13,433.0
2000	3,381.0	30	4,293.0	39	3,448.0	31	11,121.0
2001	2,726.0	23	3,152.0	27	5,984.0	50	11,850.0
2002	3,089.0	26	3,244.0	27	5,639.0	47	11,972.0
2003	3,272.0	29	3,316.0	30	4,540.0	41	11,128.0
2004	4,410.0	40	3,294.0	30	3,250.0	30	10,942.0
2005	4,739.0	42	3,510.0	31	2,928.0	26	11,177.0
2006	5,402.0	46	3,397.0	29	2,924.0	25	11,723.0
2007	6,342.0	57	2,970.0	27	1,868.0	17	11,180.0
2008	4,696.0	40	3,771.0	32	3,150.0	27	11,618.0
2010	3,865.0	29	5,841.0	44	3,556.0	27	13,263.0
2011	4,567.0	34	3,758.0	28	5,019.0	38	13,344.0
2012	6,183.5	46	4,411.8	33	2,881.9	21	13,477.0
2013	6,490.0	52	4,271.0	34	1,777.0	14	12,538.0
2014	7,492.3	52	5,643.6	39	1,262.8	9	14,398.7
2015	7,618.5	57	4,838.4	36	960.0	7	13,416.9
2016	8,171.9	56	5,428.6	37	982.1	7	14,582.6
2017	7,544.0	54	4,874.2	35	1,582.4	11	14,000.6

Source: GHA Road Maintenance Division, December 2018

Figure 3: Graphical presentation of 2017 Road Condition Mix for Paved & Gravel Rds

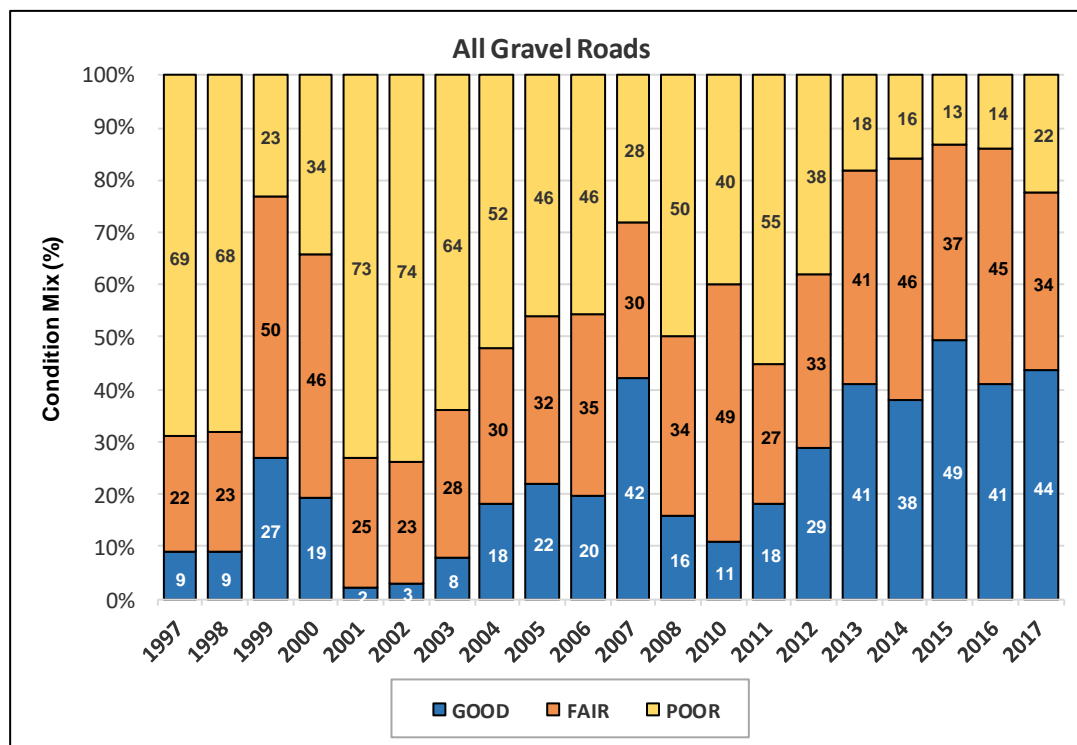


Source: GHA Road Maintenance Division, December 2018

3.2 Comparison of Gravel Roads Network Condition 1997 – 2017

Figure 4 and Table 12 show the progression of Gravel Road Network Condition from 1997 and 2017

Figure 4: Road Condition Mix for Gravel Roads Network of 1997- 2017



Source: GHA Road Maintenance Division, December 2018

Table 12: Gravel Roads Network Condition from 1997 to 2017

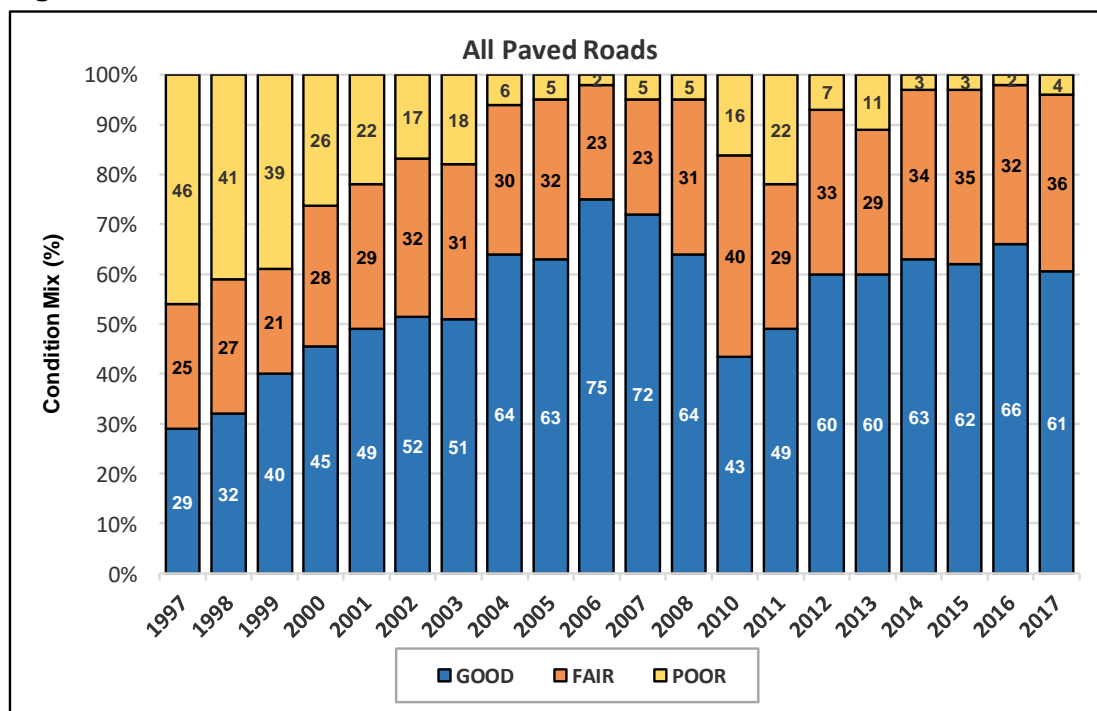
YEAR	GOOD		FAIR		POOR		TOTAL
	Km	%	Km	%	Km	%	Km
1997	690.0	9	1,687.0	22	5,290.0	69	7,666.0
1998	672.0	9	1,716.0	23	5,075.0	68	7,463.0
1999	2,016.0	27	3,732.0	50	1,717.0	23	7,465.0
2000	1,211.0	19	2,926.0	46	2,169.0	34	6,305.0
2001	139.0	2	1,631.0	25	4,828.0	73	6,604.0
2002	198.0	3	1,468.0	23	4,717.0	74	6,383.0
2003	450.0	8	1,598.0	28	3,579.0	64	5,627.0
2004	998.0	18	1,671.0	30	2,938.0	52	5,607.0
2005	1,280.0	22	1,861.0	32	2,675.0	46	5,816.0
2006	1,191.1	20	2,123.4	35	2,784.2	46	6,098.7
2007	2,347.0	42	1,670.0	30	1,581.0	28	5,597.0
2008	894.0	16	1,911.0	34	2,841.0	50	5,646.0
2010	629.0	11	2,828.0	49	2,336.0	40	5,794.0
2011	1,088.0	18	1,696.0	27	3,410.0	55	6,194.0
2012	1,759.0	29	2,011.0	33	2,347.0	38	6,116.0
2013	2,229.0	41	2,248.0	41	980.0	18	5,457.0
2014	2,399.0	38	2,870.4	46	1,005.5	16	6,274.9
2015	2,792.6	49	2,103.4	37	759.1	13	5,655.1
2016	2,430.3	41	2,631.3	45	847.8	14	5,909.4
2017	2,405.6	44	1,855.3	34	1,229.5	22	5,490.4

Source: GHA Road Maintenance Division, December 2018

3.3 Comparison of Paved Roads Network Condition 2010 – 2017

Figure 5 and Table 13 show the progression of the condition of the Paved Road Network Condition from 1997 to 2017.

Figure 5: Road Condition Mix for Paved Roads Network of 1997- 2017



Source: GHA Road Maintenance Division, December 2018

Table 13: Paved Roads Network Condition from 1997 to 2017

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
1998	1,934.0	32	1,632.0	27	2,478.0	41	6,044.0
1999	2,387.0	40	1,253.0	21	2,328.0	39	5,968.0
2000	2,172.0	45	1,373.0	28	1,271.0	26	4,816.0
2001	2,581.0	49	1,516.0	29	1,149.0	22	5,246.0
2002	2,890.0	52	1,777.0	32	922.0	17	5,589.0
2003	2,822.0	51	1,711.0	31	963.0	18	5,501.0
2004	3,404.0	64	1,622.0	30	309.0	6	5,335.0
2005	3,168.0	63	1,632.0	32	253.0	5	5,361.0
2006	4,209.7	75	1,274.1	23	138.6	2	5,622.4
2007	3,995.0	72	1,302.0	23	288.0	5	5,585.0
2008	3,802.0	64	1,860.0	31	309.0	5	5,948.0
2010	3,191.0	43	3,013.0	40	1,220.0	16	7,424.0
2011	3,478.0	49	2,062.0	29	1,609.0	22	7,149.0
2012	4,386.0	60	2,401.0	33	535.0	7	7,323.0
2013	4,278.0	60	2,043.0	29	759.0	11	7,080.0
2014	5,093.4	63	2,773.2	34	257.3	3	8,123.8
2015	4,806.6	62	2,735.0	35	200.9	3	7,742.5
2016	5,741.6	66	2,797.3	32	134.3	2	8,673.2
2017	5,138.4	61	3,018.9	36	333.6	4	8,490.9

Source: GHA Road Maintenance Division, December 2018

CHAPTER 4

4.0 Projects & Achievements

4.1 Procurement of Services

GHA is responsible for monitoring of all development projects and road project components of all regional corridor programmes involving Ghana and other countries in the sub-region. Additionally, GHA provides the main link between the Authority and Development Partners for the efficient coordination of road projects and related facilities.

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). These 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.

4.1.1 Expression of Interest

During the year under review letters were sent to the individual companies to invite them to express their intent for the following projects:

- The Assessment Study to Implement Output and Performance Based Road Contracts for the Upgrading of Tatale-Zabzugu-Yendi-Tamale Road(Section R201) 165.8Km,
- Zabzugu-Nakpali-Bimbila Road(Section R27/01) 73.6Km
- Selected Feeder Roads in the Brong Ahafo, Northern, Upper East and Upper West Regions

4.1.2 Contract Agreement

During the course of 2018, Contract Agreements were signed for the following Services

- Construction Services for Inventory and Condition Survey of Ghana Highway Authority Bridges (Lot1: Western and Central Regions)
- Construction Services For Inventory and Condition Survey of Ghana Highway Authority Bridges (Lot2: Greater Accra, Volta and Eastern Regions)
- Construction Services For Inventory and Condition Survey of Ghana Highway Authority Bridges (Lot3: Ashanti and Brong Ahafo Regions)

- Construction Services for Inventory and Condition Survey of Ghana Highway Authority Bridges (Lot4: Northern Upper East and Upper West Region)
- The Assessment Study to Implement Output and Performance Based Road Contracts for the following roads:
 - ✚ Upgrading of Tatale-Zabuzugu-Yendi-Tamale Road (Section R201) 165.8Km,
 - ✚ Zabzugu-Nakpali-Bimbila Road (Section R27/01) 73.6Km
 - ✚ Selected Feeder Roads in the Brong - Ahafo Road, Northern Region, Upper East Region and Upper West Region 1,360Km.
- Individual Consultancy services as Social Safeguards Specialist for the following roads
 - The Upgrading of Tatale-Zabuzugu-Yendi-Tamale Road (Section R 201) 165.8km,
 - Zabzugu- 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 (1,360km)
- Consultancy Services for Construction Supervision of Ghanaian International Corridors (Grade Separation of Tema Intersection in Tema)

Status Report of PPP as at December 2018

Accra – Tema

- Detail feasibility studies completed
- Project Information Memorandum for Public Private Partnership Approval Committee (PPPAC) completed
- Presentation of Project Information Memorandum (PIM) to PPPAC for In-Principle Approval Completed
- Preparation of Joint Cabinet Memo for PPAC onward transmission to Cabinet completed
- Cabinet

Accra – Takoradi

- Pre-feasibility Update completed; detailed feasibility commenced

Accra- Kumasi

- Pre-feasibility report completed

4.1.3 Status of Consultancy Services

A total of twenty-five (25) Consultancy Services were managed, over the year, by the Authority

The breakdown is as provided in the Table 14 below.

Project status details are shown in Appendix C.

Table 14: Number and Fund Sources for Services.

Source of Funding	Design Studies/ Technical Assistance	Design Review and Construction Supervision	Remarks
World Bank	2	5	One(1) is suspended, three(3) are in defect liability state and three(3) are on-going,
Danida		2	one (1) is suspended, one (1) is on-going
AfDB		3	Two (2) projects have been taken over, one (1) submitted final report
Brazilian Funded Project		1	Project is on-going
ORIO		1	Project is about to commence
JICA	2	1	All projects are on-going
GOG		5	All projects are on-going
PPP	3		All projects are on-going

Source: GHA Planning Division, December 2018

4.1.4: Missions from Development Partners

Tables 15 and 16 below list details of visits by development partners

Table 15: World Bank Missions

PROJECT	DATE	REMARKS
Transport Sector Improvement Projects (TSIP)	4 th June – 14 th June 2018	<p>To conduct an implementation support mission for the Transport Sector Improvement Project (TSIP).</p> <p>Expedite the signing of the Financing Agreement;</p> <p>Work on further extension of the refinancing date of the Project Preparatory Advance currently set for June 30, 2018;</p> <p>Discuss overall implementation progress of the project and facilitate, where required, improved implementation;</p> <p>Undertake site visits GHA-roads in Brong Ahafo Region to get an understanding of the types of roads and the potential development impact expected;</p> <p>Introduce a potential Regional Multi-Modal Development Project along the Tema-Ouagadougou Corridor; and</p> <p>Undertake site visits to Buipe and Yapei as well as the Kumasi-Accra corridor to appreciate some of the immediate infrastructure needs along the Tema-Ouagadougou-Corridor.</p>
Transport Sector Improvement Projects (TSIP)	22 nd November – 6 th December 2018	<p>To conduct an implementation support mission for the Transport Sector Improvement Project (TSIP) and to have introductory discussions on a Proposed Regional Corridor Development Project following GOG's request.</p> <p>Discuss overall implementation progress of the TSIP and facilitate, where required, improved implementation;</p> <p>Assess progress on the establishment of a trust fund to manage the funds provided by the European Union for support in the Upper West Region;</p> <p>Work with the client to identify the scope of the project for a potential Tema-Ouagadougou – Niamey Regional Corridor Development Project;</p> <p>Undertake a site visit to the Tamale-Tatale-Yendi road to appreciate the proposed scope of work along the corridor.</p>

Source: GHA Planning Division, December 2018

Table 16: JICA Missions

Project	Date	Remarks
Assessment of Japanese ODA Projects	May 18, 2018	An Audit mission was to assess Japanese ODA projects in Ghana with focus on the Assin Praso Bridge.
Volivo Bridge	June 14, 2018	The second mission was conducted by the newly appointed Dep Director, Africa's Department JICA headquarters to undertake final review of the RFP for the Volivo Bridge. •

Source: GHA Planning Division, December 2018

4.2 Development Projects

The approved Programme for development works in 2018 covered a total stretch of about 194.90 Km of trunk road network sections in Ghana, which are either under rehabilitation or being improved to provide a satisfactory level of service to the motoring public.

The total budgetary provision for all the projects was One Hundred and Fifty-Five Million, One Hundred and Seventy Thousand, Two Hundred and Thirty-Four Ghana Cedis and Twenty-Two Ghana Pesewas (**Gh¢155,170,234.22**). The details of the funding source are provided in table 17 below

Table 17: Sources of Funding

Source of Funding	Amount (GH¢)
CF	-
ABFA	28,991,303.22
Donor	126,178,931.00
Total	155,170,234.22

Source: GHA Contracts Division, December 2018

4.2.1 New Projects

Table 18 gives the project that commenced in the year under review.

Table 18: Projects Commenced in the Year 2018

NO.	Project	Award Date	Commencement Date
1	The Project for Improvement of Ghanaian Corridors (Grade Separation of Tema Intersection in Tema)	15- Dec-17	7-Feb-18
2	7 Bridges in Northern Ghana (Danida Bridges)	19-Feb-18	24-Sep-18
3	Decongestion of Oduom and Ejisu Roundabouts - Lot 1	27 – Nov-18	3-Jul-18
4	Decongestion of Ejisu – KNUST Section of the N6(Oduom and Ejisu Roundabouts- Lot2)	27 – Nov-18	3-Jul-18

Source: GHA Contracts Division, December 2018

4.2.2 Completed Projects

Substantial Taking-Over Inspection was conducted in the year under review for the following projects are as shown in Table 19. The project that will be finally be taken over when all defects which manifest during the Defects Notification Period (DNP) are rectified by the engaged Contractor is also shown in Table 20.

Table 19: Projects Completed and Handed Over

No	Project	Inspection Date
1	Construction of Wa-Han Road	20 – Nov - 18
2	Construction of Tunnel Under the Accra -Tema Motorway to Link East Legon and Spintex Road	28-August- 2018

Table 20: Final Taking Handed Over Inspection

No	Project	Inspection Date
1	Lot 6: Nsawam - Apedwa Road, Kwafokrom - Apedwa (Dual carriageway) – South Bound	3-July-18

Source: GHA Contracts Division, December 2018

4.2.3 Land Acquisition and Compensation Assessment

The Ghana Highway Authority pays compensation in accordance with Article 20 (2) of the 1992 Constitution and the State Lands Act 1963, Act 125 which set out modalities used in the acquisition of properties etc.

All assessments are jointly undertaken by the GHA Valuation Section and the Lands Commission as required by law.

As of 31st December, 2018, assessment and payment made as regards compensation on Forty-four (44) road projects are as provided in the table 21 below;






Table 21: Compensation for PAPS

Description	No. of PAPS	Approved/ Estimated Values (Gh¢)	Part Payment Made (Gh¢)	Balance To Be Paid
Compensation in respect of (Buildings/Structures, Crops/Farms, Bare Lands)	13,223	130,609,003.85	20,581,028.83	110,027,295.02

Source: GHA Contracts Division, December 2018

4.2.3.1 Compensation Assessment yet to Commence

Assessment of the value of properties / crops that will be impacted by the following projects are yet to be made.

-  Ajumako to Gomoa Ogua road project.
-  Twifo Praso to Dunkwa road project.
-  Asutuare-Aveyime Road Project
-  Asutuare Junction-Asikuma Road Project
-  Bawku-Polimakom Road Project.

Action will be initiated in 2019 for assessment of the properties / crops that will be impacted by the projects.

4.2.4: On-Going Development Projects

The Authority administered contracts for the implementation of Ninety (90) projects aimed at facilitating mobility and accessibility in the country during the year under review.

As of December 31st, 2018, Thirty – Nine (39) projects had been completed and Fifty One (51) were ongoing and at various levels of completion. The cumulative achievements, project status and other details are shown in Appendix B.

4.3 Ongoing 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.
Contractor: M/S Mallam Issah Ishaku & Bros Ltd
Contract Value: GH¢2,584,437.66
Award Date: 6th October, 2011
Commencement Date: 23rd June, 2013
Scheduled Completion Date: 22nd June, 2014
Progress is 80%. Payment has not been received from Ministry of Finance to date.
Works have stalled as a result.
- ❖ **Lot 2. Construction of Steel Bridge over River Kudage on the Sombisi – Tantali Road-35m Span.**
Contractor: M/S Bachest Ghana Ltd
Contract Value: GH¢2,313,369.93
Award Date: 6th October, 2011
Commencement Date: 25th May, 2013
Scheduled Completion Date: 31st December, 2014
Progress is 76%. Payment has not been received from Ministry of Finance to date.
Works have stalled as a result.
- ❖ **Lot 4. Construction of Steel Bridge over River Gongonwu on the Tuvuu-Yikpabongo Road- 70m.**
Contractor: M/S Jiangxi Zhongmei Eng. Const. Co. Ltd
Contract Value: GH¢4,464,741.68
Award Date: 8th January, 2011
The initial location of the bridge was changed due to accessibility problems. The Contractor has written to GHA to discontinue the construction of the bridge. The bridge has been relocated to Nalerigu on the Karaga – Gushiegu – Nalerigu road in the Northern Region. 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. Request for funds will be resubmitted.
- ❖ **Lot 5. Construction of Steel Bridge over River Kulpawn on the Luari-Jadima Road-Span is 140m.**
Contractor: M/S China Zhong Hao Ltd
Contract Value: GH¢6,910,533.70
Award Date: 6th October, 2011
Progress is 24%.
Payment has not been received from Ministry of Finance to date.
Works have stalled as a result.
- ❖ **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: 4th May, 2016

No physical presence at the site

Pre-commencement meeting was held. Notice to commence works was not issued.

Process for Termination of the Contract is in progress.

❖ ***Lot 7. Construction of Bridge over River Pra along Twifo Praso – Dunkwa Road, 175m.***

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

Revised Contract: GH¢39,954,066.09

Award Date: 4th May, 2016

Ground investigation has been completed. The Contractor has also completed setting up his site camp. The Contractor submitted an alternate design proposal. Commencement of the works has been scheduled one week after the new design has been approved.

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

Bids were opened on 29th June, 2017. Evaluation of the tenders has been approved by the Entity Tender Committee. Negotiation of the Tender prices was undertaken with the bid winners and the evaluation report has been sent to Ministry of Roads and Highways for approval.

❖ ***Construction of Toll Plaza at Badukrom on the Cape Coast – Takoradi Road.***

Contractor: M/S Ba-Iseng Ltd

Contract Value: GH¢1,408,487

Award Date: 15th February, 2012

Commencement Date: 19th July, 2012

Scheduled Completion Date: 18th July, 2013

The Contract has been terminated.

Cost to complete the outstanding works has been submitted to the Ghana Road Fund Secretariat. Fund to complete the outstanding works has been released to BMU. Progress is 90%.

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

Contractor: M/S Bilfinger MCE GmbH

Contract Value: €12,900,000.00

Award Date: 16th May, 2012

Initial Completion Date: 23rd May 2013

Commencement Date: 10th March, 2014

Revised Completion Date: 31st May 2015

Possession of site for the commencement of works at site was given to the Contractor on 10th March, 2014. Progress is 100%. Substantial Taking over Inspection was undertaken on 7th 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 East – 125m

Bridge No. 5 – Ambalara – Upper West Region – 75m

Bridge No. 6 – Kulun - Upper West – 100m

The works is being undertaken by **Messrs Sweco** in association with **M/S HAG Consult**. Pre-commencement meeting was held on 11th September, 2018 and commencement of the works was scheduled to begin from 24th September, 2018. Contractor has mobilized to site and works are progressing steadily.

❖ **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 2nd November, 2016 and the loan agreement was signed on 30th 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 (AfDB). Request for Proposal for the Procurement of Consultants to supervise the works was prepared by GHA and JICA. Combined Evaluation report for the selection of Consultant was submitted to the Central Tender Review board for concurrent approval

❖ **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. Payment has not been received from Ministry of Finance to date.

❖ **Construction of 2 No. underpasses on the George Bush Motorway – (N1).**

Review of design drawings is completed. Comments from review of the drawing have been submitted to Contractor. Review of Bill of Quantities submitted by the Contractor has been completed.

❖ **Construction of 6 No. Foot bridges on the Madina – Pantang road.**

The Project has been divided into six lots.

The locations for the footbridges are:

- **Lot 1 – Construction of Ramps to Footbridges at Fire stone (CH. 6+019)**
Contractor: Messrs Fekams Ltd
Duration: 6 months
Progress: 36.98%
- **Lot 2 – Construction of Ramps to Footbridges at Zongo junction (CH. 6+725)**
Contractor: Messrs Highbrains Ltd
Duration: 6 months
Progress: 36.98%

- **Lot 3 – Construction of Ramps to Footbridges at Redco junction (CH. 7+300)**
Contractor: Messrs Joshob Construction Co. Ltd
Duration: 6 months
Progress: 2.5%
- **Lot 4 – Construction of Ramps to Footbridges at Evangelical Presbyterian Church (CH. 8+204)**
Contractor: Messrs First SkyLtd
Duration: 6 months
Progress: 36.98%
- **Lot 5 – Construction of Ramps to Footbridges at Seventh Day Adventist Church (CH. 8+879)**
Contractor: Messrs Justmoh Construction Ltd
Duration: 6 months
Progress: 18.15%
- **Lot 6 – Construction of Ramps to Footbridges at West African Secondary School (CH. 9+718)**
Contractor: Messrs Highbrains Ltd
Duration: 6 months
Progress: 17.28%

❖ ***Rehabilitation of Steel Bridge over River Offin at Dunkwa-on-Offin along Dunkwa – Obuasi Road.***

Contractor: M/S Syndicated Capital Ltd

Contract Value: GH¢ 1,920,104.09

Award Date: 26th September, 2016

Duration: Nine (9) months

Contractor has submitted a request for Variation Order (V.O). The V.O has been prepared by GHA and submitted to MRH. Works on the superstructure have been completed.

❖ ***Rehabilitation of the Nasia Bridge on the Tamale – Bolgatanga road.***

Contractor: M/S Logistics Services Ltd

Contract Value: GH¢ 1,650,462.85

Award Date: 26th September, 2016

Duration: Nine (9) months

Contract has expired in September, 2017.

No activity was recorded within the period. Process for Termination of the Contract is in progress.

❖ ***Rehabilitation of the Pwalugu Bridge on the Tamale – Bolgatanga road.***

Contractor: M/S Logistics Services Ltd

Contract Value: GH¢ 1,796,080.45

Award Date: 26th September, 2016

Duration: Nine (9) months

Contract has expired in September, 2017.

No activity was recorded within the period. Process for Termination of the Contract is in progress.

- ❖ **Construction of 42m reinforced concrete bridge over River Anunu on the Adansi Asokwa - Banka road**
Contractor: M/S Attachy
Contract Value: GH¢ 14,271,209.29
Award Date: 20th July, 2016
Duration: Nine (9) months
Scheduled Completion date: 30th September, 2017
 The Project is being funded under the Cocoa road projects which has been suspended together with other cocoa road projects.
- ❖ **Reconstruction of the Iture Bridge over the Sweet River on the Cape Coast – Takoradi road.**
 Messrs Sonitra has submitted a Technical and a financial proposal. Evaluation of the Technical and Financial proposal is ongoing.
- ❖ **Underwater Investigation of the Ankobra and the Lower Volta Bridge bridges foundation**
 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.**
 Request for approval to issue a Variation Order on the construction of the Navrongo-Chuchuliga-Tumu Rd (32.6km) for the construction of the above bridges have been granted by MRH. Request for concurrent approval to the Central Tender Review board was made within the quarter.
- ❖ **Rehabilitation of the Lower Volta Bridge (Replacement of Expansion joints).**
 The contract was awarded within the quarter to Messrs Mageba. Pre-commencement meeting was held on 21st December, 2018. The contract is in two phases.
 Phase one (1) - includes the design and fabrication of the expansion joint in India
 Phase two (2) – includes the installation of the expansion joint at site.
 Design and fabrication of the expansion joint is ongoing.
- ❖ **Construction of two lane underpass to link Spintex and East Legon**
Contractor: M/S Sonitra
Contract Value: GH¢ 14,815,261.48
Award Date: 1st August, 2017
Commencement Date: 20th July, 2017
Duration: Ten (10) months
 Project is in Defect Liability Period. The project has been taken over substantially.
- ❖ **Project for Improvement of Ghanaian International Corridors (Grade Separation of Tema Motorway Intersection in Tema)**
Contractor: M/S: Shimizu Corporation JV
Consultant: CTI Engineering International Co. Ltd
Contract Value: 6 billion Japanese Yen
Agreement Date: 15th December, 2017
Commencement Date: 15th February, 2018
Duration: 28 months

Current progress is at 23.58%

❖ **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**

Construction of the bridge has been captured as part of a number of bridges to be constructed under Czech bridge program.

❖ **Replacement of damaged bridge on the Bimbilla – Jilo road**

Request for release of funds for the replacement of the bridge was made by the Bridge Maintenance Unit (BMU) of GHA to the Ministry of Roads and Highways within the quarter.

❖ **Construction of the Oterkpolu and Okwenya Bridges**

GHA is putting together a request for submission to the MRH for approval to procure the works.

❖ **Request for supply of 3000m Modular Panel Bailey Bridge for Emergency works**

Request for supply of Bailey bridge components was approved by MRH. MRH has submitted to the Ministry of Finance (MoF) Indicative Financial Terms for UK Export Direct loan facility for their consideration.

❖ **Construction of Bolgatanga – Bawku - Polimakom road (116.1km)**

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.

4.3.1 Bridge Maintenance Unit – Activities

- ❖ Reconstruction of the Badukrom Toll booth on the Cape Coast – Takoradi road. Progress is 90%
- ❖ Repair of bridge over the Brim River at Nkwabeng - Abomosu road. Progress is 100%

4.3.2 Consultancy Services for the Inventory and Condition Survey of Ghana Highway Authority Bridges

The project has been divided onto four lots. Procurement of Consultants has been completed.

Lot 1 is being undertaken by Messrs Delin Consult.

The project covers Greater Accra, Volta and Eastern Regions

The consultant has submitted the Final report. Review of the report is ongoing.

Lot 2 is being undertaken by Messrs Associated Consultants Limited.

The project covers Greater Accra, Volta and Eastern Regions

The consultant has submitted their Final report. Review of the Draft final report is ongoing.

Lot 3 will be undertaken by Messrs Comptran Engineering Planning and Associates.
The project covers Ashanti and Brong-Ahafo Regions
The consultant has submitted their interim report. Review of the interim report is ongoing.

Lot 4 will be undertaken by Messrs Hag Consults.
The project covers Northern, Upper West and Upper East Regions
Messrs Hag Consults has submitted the Final report. Review of the report is ongoing.
The consultant has submitted their Final. Review of the report is ongoing.

4.4. Survey and Design

4.4.1 Review of Design Drawings & Reports

During the year under review; Survey and Design activities were carried out on the following roads.

- ✚ Decongestion of Ejisu to KNUST section of the N6.
- ✚ Topographic Survey & Design of the proposed bridge at Asuoyaa on the the Aburi – Koforidua road (N4)
- ✚ Relocation of Accra – Tema Motorway Axle load station.
- ✚ Construction of tunnel to link Spintex and East Legon.
- ✚ Kasoa – Budumburam decongestion exercise.
- ✚ Sectional repairs & Asphaltic overlay of Abuakwa – Tapa Junction Road (N6/06) (km 0+000 – 22+025)
- ✚ Geometric Design of the Anyinam – Kwabeng road (1.2 km)
- ✚ Access design scheme for Rehoboth Properties
- ✚ Design of Axleload station at Community 3
- ✚ Access design scheme for Fuel Station at Kasoa
- ✚ Survey works on the Tetteh Quarshie – Mamfe Road Project: Madina – Pantang Section (5.6KM); Construction of ramps to footbridge at Adenta (CH. 9+718)
- ✚ Construction of Akim Oda Bypass

Review & Checking Of Design Drawings

The following road Design drawings were reviewed during the year under review.

- ✚ Sectional repairs & Asphaltic overlay of Abuakwa – Tapa Junction Road (N6/06) (km 0+000 – 22+025)
- ✚ Reconstruction of Nkwanta – Dambai Road (50km)
- ✚ Access design for Bay Developers Ltd (ABP) at Dzorwulu

Field Verification

- ✚ Construction of Akim Oda Bypass
- ✚ Topographic survey and Design of the proposed underbridge on the Klagon – Ashaiman road
- ✚ Reconstruction of Nkwanta – Dambai Road










4.4.2 Right-Of-Way Clarification

There were eight (8) Right-of-Way clarifications carried out for developers along the Accra – Nsawam, Tema – Akosombo, Tetteh Quarshie – Ayi Mensah, Accra – Ada, and George Walker Bush highways during the year under review.




4.5 Quality Control on Projects

GHA ensures Quality Control (QC) and Quality Assurance (QA) of on-going and completed Development and Maintenance projects through its materials laboratories in all the regional offices and a well-resourced Central Materials Laboratory (CML) in Accra. CML undertakes other destructive and non-destructive investigations for distressed sections of ongoing, completed Development and Maintenance projects as well as requests for tests by external customers. It also undertakes research and analysis into the use of new road construction materials and chemicals, to ascertain their effectiveness in the improvement of the index properties of road pavement materials. Some of the activities carried out during the year are as follows.




Deflection tests were performed on the following roads:

-  Kyebi Town and Koforidua Municipality Roads for DUR
-  Kotoka International Airport Terminal 3 Project
-  Selected Arterials and Collector Roads for DUR in Accra Metropolis
-  Verification test at the Ho Airport
-  Selected Arterials and Collector Roads for DUR in Kumasi Metropolis
-  Kumasi Airport Project
-  Selected Arterials and Collector Roads for DUR in Koforidua Municipality
-  Pavement evaluation (Roughness and Deflection measurement) on the George Walker Bush Highway (N1)
-  Pavement evaluation on KNUST – Anloga Junction in Kumasi

The Bituminous Products Tested:

-  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 selected roads in the Eastern and Greater Accra and Brong Ahafo Regions, core density tests on some portions of Urban Roads in Accra, Tema, Takoradi and Ho Town Roads



Research

-  Research activities was conducted during the period under review are as listed below Review of technical literature on new construction materials
-  Laboratory tests on some new construction materials.
-  Monitoring of the use of SoilTech MK III stabilizer on Ekumfi-Dunkwa Feeder Road and the Oduom Bypass on the Ejusu – KNUST Roundabout Improvement Project.

4.6 Project Preparation Activities

Various activities which pertain to project preparation namely vetting and approval of Interim Payment Certificates, vetting of all Variation Orders for approval, preparation of Engineer's Estimate for procurement of new projects, preparation of Bill of Quantities, Tender Documents and opening and evaluation of tenders, etc. were carried out on new and ongoing projects where appropriate.

A total of 937 certificates were vetted and passed at the close of the year 2018 which is broken down as follows;

-  Development Projects - 74
-  Maintenance Projects - 863

Other works vetted at the close of the year 2018 include Fifty-three (53) Variation orders, Ninety-two (92) Cost Estimates and Eight (8) Engineer's Estimates.

Table 22 below shows the summary of total corrections made to interim payment certificates submitted for payment for the year 2018:

Table 22: Corrected Invoices on Interim Payment Certificates

TOTALS	SUBMITTED AMOUNT GH¢	CORRECTED AMOUNT GH¢	SAVINGS MADE GH¢	SUBMITTED AMOUNT US\$	CORRECTED AMOUNT US\$	SAVINGS MADE US\$
1 ST QUARTER	38,615,906.71	30,312,425.90	8,303,480.81	1,944,673.26	431,229.79	1,513,443.47
2 ND QUARTER	120,427,485.63	119,132,376.57	1,295,109.06	187,129.00	186,801.00	328.00
3 RD QUARTER	58,813,380.99	56,234,267.20	2,579,113.79	702,434.56	478,877.29	223,557.27
4 TH QUARTER	66,363,337.35	64,146,351.09	2,216,986.26			
TOTALS	284,220,110.68	269,825,420.76	14,394,689.92	2,834,236.82	1,096,908.08	1,737,328.74

Source: GHA Quantity Surveying Division December 2018

4.7 Axle Load Control Programme

4.7.1 Management of Permanent Weighbridge Stations

The Ghana Highway Authority took over the operations of Sixteen (16) permanent weighbridge stations in the second quarter of 2018 whilst the the Asokwa and Sawla Permanent Weighbridge Stations were taken over by GHA in December, 2018.

Table 23 below compares the management of the Axle Load Stations by Private Operators in 2017 and management by GHA in 2018. The Axle Load Control Programme activities are funded by the proceeds from the overloading fees.

In 2017, the total amount expended on Axle Load Control Programme activities was GH¢6,336,006.68. Payments made to Private Operators amounted GH¢3,043,541.51 representing 48% of the total expenditure and 58% of the overloading fees collected in 2017.

However, in 2018 under the management of GHA, the number of vehicles weighed within this period was 257,245 as compared to 219,890 weighed in the whole of 2017 by the Private Operators. The increase in the number of vehicles overloaded that is 16,548 in 2018 reflects the real situation on the ground since most of the loopholes used hitherto to avoid weighing have been blocked.

In conclusion, GHA spent less in 2018 to do more work than what the private operators did in 2017.

Table 23: Comparison of Management by Private Operators In 2017 Versus Management by GHA in 2018

Period (Year)	Number of Vehicles Weighed	Number of Vehicles Overloaded	Overloading Fees Collected	Total Expenditure
2017 By Private Operators	219,890	6,675	5,209,802.02	6,336,006.68
2018 by GHA	257,245	16,548	7,949,110.51	6,329,594.25

Source: GHA Road Safety & Environment Division December 2018

Permanent Weighbridge Stations (PWS)

Eighteen (18) Permanent Weighbridge Stations (PWS) have been established to date in the various corridors as at the end of the year under review and fourteen (14) were operational. Four (4) stations namely Bogoso, Afienya and Sefwi Bekwai were not operational during the year under review as a result of frequent breakdown of old weighing equipment and deteriorated driveways of some weighbridge stations, however Aflao Border station which started operations in the third quarter of 2018 but was halted in October due to agitations by some stakeholders at the Border. The statuses of the Permanent Weighbridge Stations are provided in Table 24

Table 24: Status of Permanent Weighbridge Stations

Town/City	Location	Strategy	Status	Remarks
1. Tema	Aflao-Elubo road (Coastal Corridor)	Corridor/cordon	Privatised	Operational. To be relocated to a new section on the Motorway.
2. Afiencya	(Eastern Corridor)	Corridor/cordon	Privatised	Not Operational. The weighbridge will have to be replaced because of the collapse of the old one.
3. Asuoyeboah		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. Urgent repair of the driveway and replacement of the old weighbridge with a new one required. Additional parking space required.
8. Bogoso	(Western Corridor)	Corridor /Hotspot	Privatised	Not Operational. Urgent rehabilitation of driveway and parking area required.
9. Offinso (Akom)	Tema – Paga Road (Central Corridor)	Corridor/cordon	Privatised	Operational.
10. Boankra	Tema – Paga Road (Central Corridor)	Corridor/cordon	-	Operational. Rehabilitation of parking area and driveway required.
11. Akatsi	Aflao-Elubo road (Coastal Corridor)	Corridor	Privatised	Operational. Urgent Rehabilitation of parking area and driveway required.
12. Mim		Hotspot	Privatised	Operational.
13. Sefwi Bekwai		Hotspot	Privatised	Not Operational. Weighbridge relocated to Agona Nkwanta.
14. Asokwa		Corridor	Privatised	Operational. Urgent rehabilitation of parking area and driveway required.
15. Jema	Tema – Paga Road (Central Corridor)	Corridor	Privatised	Operational but with frequent breakdowns.
16. Sawla	Fulfusu-Sawla	Corridor		Operational.
17. Damango	Wa-Sawla	Corridor		Operational.
18. Aflao Border		Hotspot		Not Operational

Source: GHA Road Safety & Environment Division December 2018

Axle Load Control at the Ports

The single axle weighers located at the Tema and Takoradi Ports were operational during the reporting period. Tema port has started the process to procure full size weighbridges to replace the single axle weighers currently used there.

Mobile Vans

Four (4) out of the Eight (8) Mobile Weighing Vans were operational during the reporting period. These vans operated in the Ashanti, Western, Brong Ahafo and Northern Regions. The Seven (7) were due for servicing and verification of their weighing equipment before the year ended and are currently in Accra for repairs, calibration and verification.

High Speed Weigh In Motion (HSWIM)

Eleven (11) HSWIM systems have been installed at the following sites: Tema, Dawa, Nsawam, Elmina, Bolgatanga, Agona Junction, Boankra, Akom, Ngleshie Amanfrom, Sawla and Damango. Seven (7) out of the eleven (11) sites were functional during the year under review. The remaining four (4) sites require replacement of the sensors which has been programmed for in our 2019 programme.

Portable Weighing Scales

Portable scale was deployed at Adeiso for 24-hour monitoring of axle loads on the Adoagyiri - Adeiso Roads respectively.

4.7.2 Statistics from the Axle Load Stations

The total number of vehicles weighed during the year 2018 at the Permanent Weighbridge Stations was 257,245 out of this number 16,548 were overloaded, representing 6.43% of the total vehicles weighed. The quarterly overloading trend shown in Figure 6, shows an increment in the percentage of overloaded vehicles throughout the quarters, from 4% in the first quarter to 8.76% in the fourth quarter.

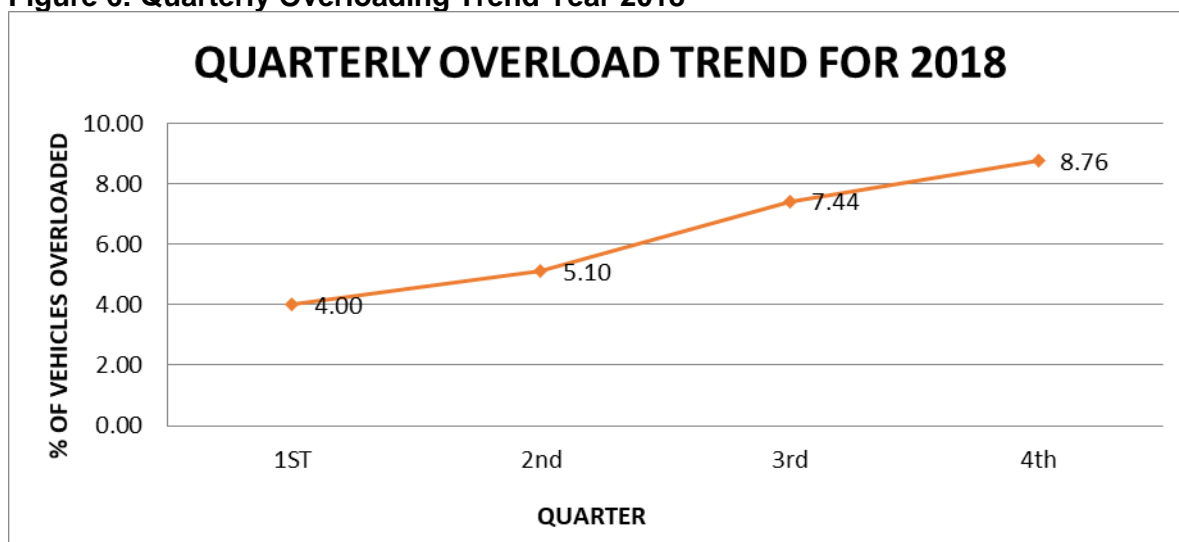
The table below compares the management of the Axle Load Stations by Private Operators in 2017 and management by G.H.A in 2018.

Table 25: Management of the Axle Load Stations By Private Operators In 2017 & Management By G.H.A In 2018.

Period (Year)	Number of Vehicles Weighed	Number of Vehicles Overloaded	Overloading Fees Collected	Total Expenditure
2017 By Private Operators	219,890	6,675	5,209,802.02	6,336,006.68
2018 By GHA	257,245	16,548	7,949,110.51	6,329,594.25

Source: GHA Road Safety & Environment Division December 2018

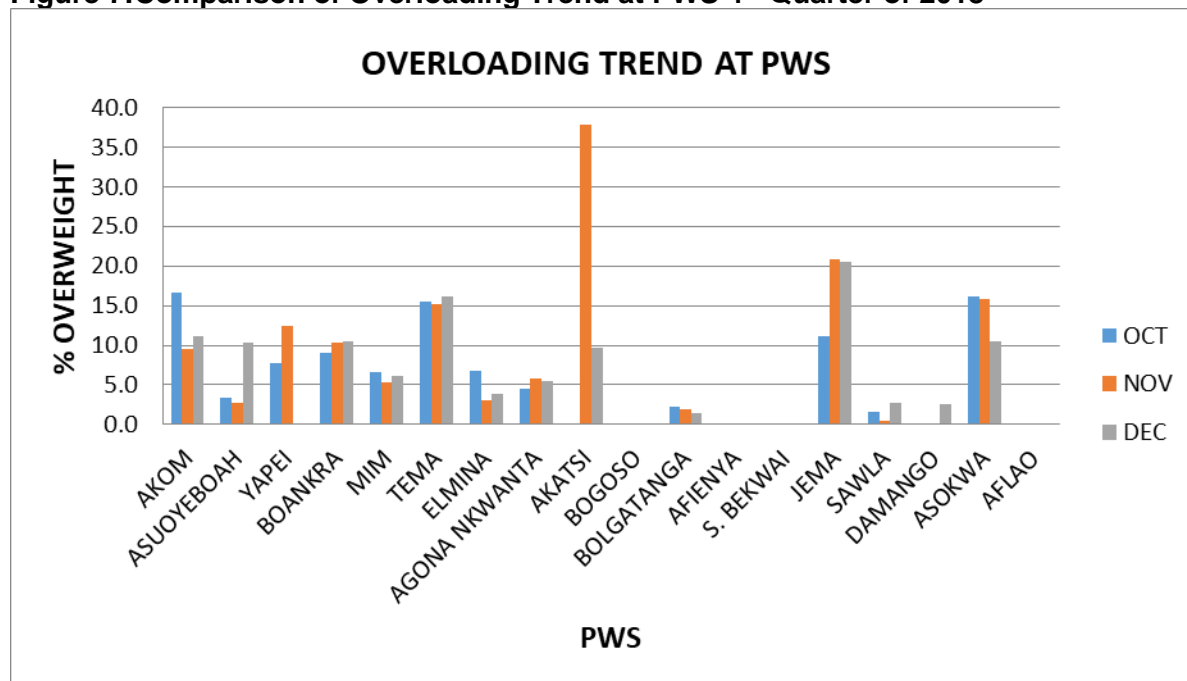
Figure 6: Quarterly Overloading Trend Year 2018



Source: GHA Road Safety & Environment Division December 2018

Figure 7 below depicts gradual increment in the percentage of overload from 7.96 in October to 8.72 in November and 9.64 in December, this was due to transportation of goods for the festive season. Akatsi recorded the highest monthly overload of 37.84% in November. Operations at the station resumed in November after the repair work was completed and most trucks were caught unaware.

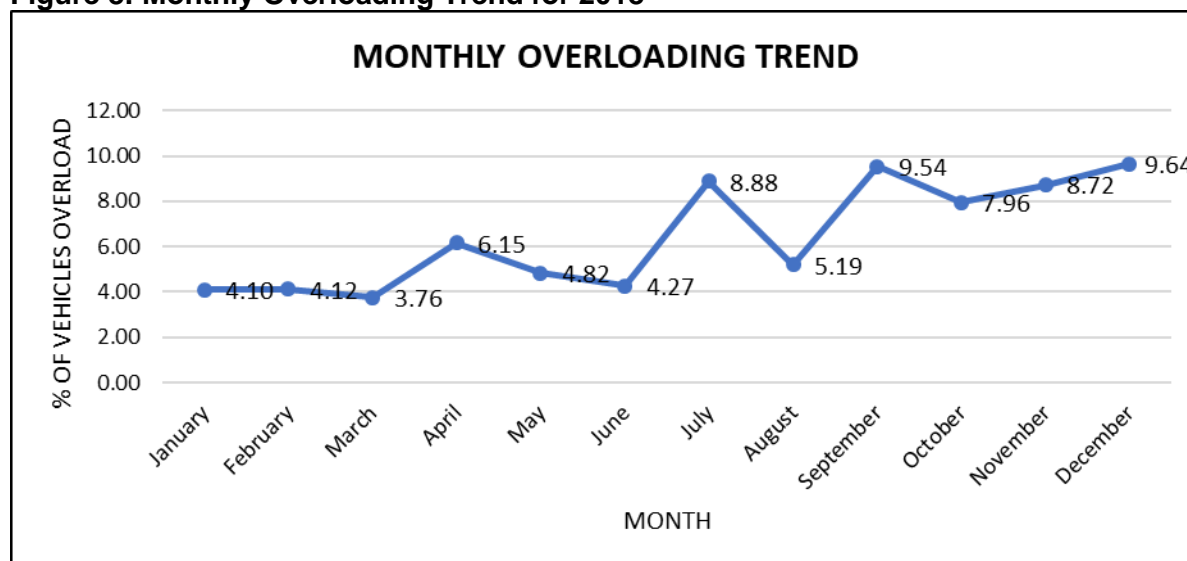
Figure 7: Comparison of Overloading Trend at PWS 4th Quarter of 2018



Source: GHA Road Safety & Environment Division December 2018

Figure 8 depicts the monthly overloading trend from January to December 2018. The month of December recorded the highest percentage of overloaded vehicles which was 9.64%. Key and very busy stations like Bogoso, Afienva and Aflao Border were not operational in the whole of the fourth quarter, yet there was an increase in the total number of vehicles weighed.

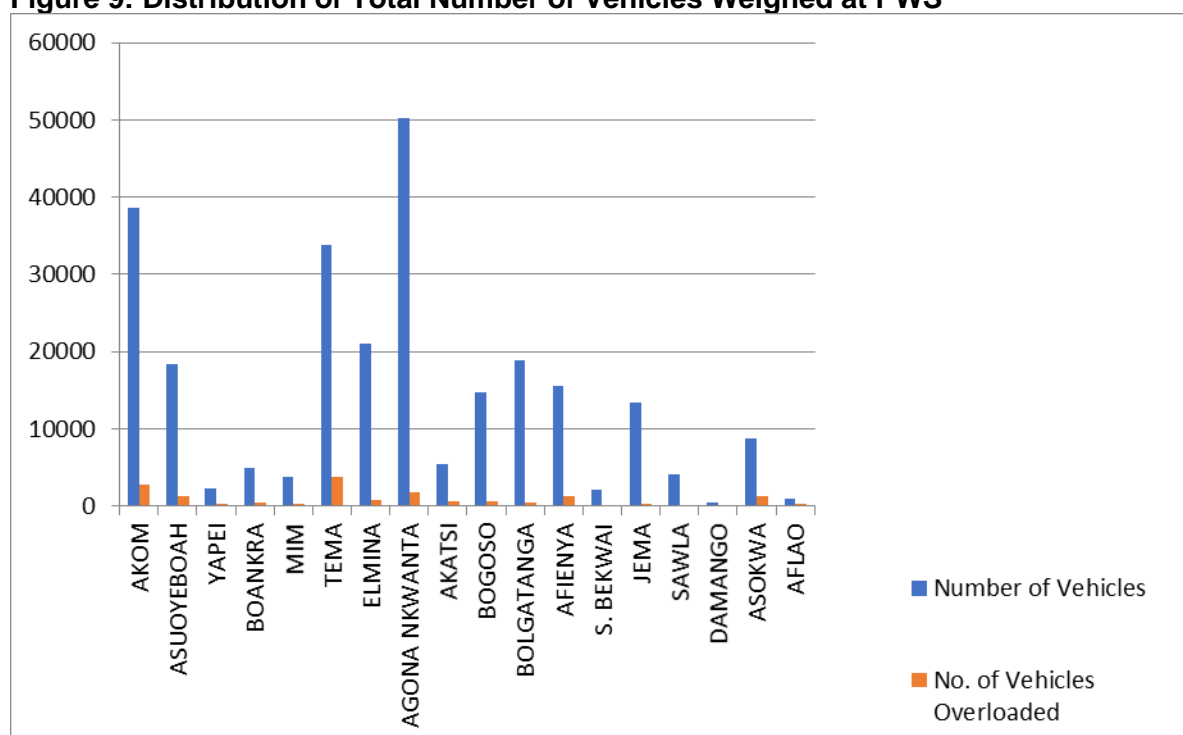
Figure 8: Monthly Overloading Trend for 2018



Source: GHA Road Safety & Environment Division December 2018

The distribution of the total number of vehicles weighed and the total over loaded at the various weighbridge stations is provided in figure 9.

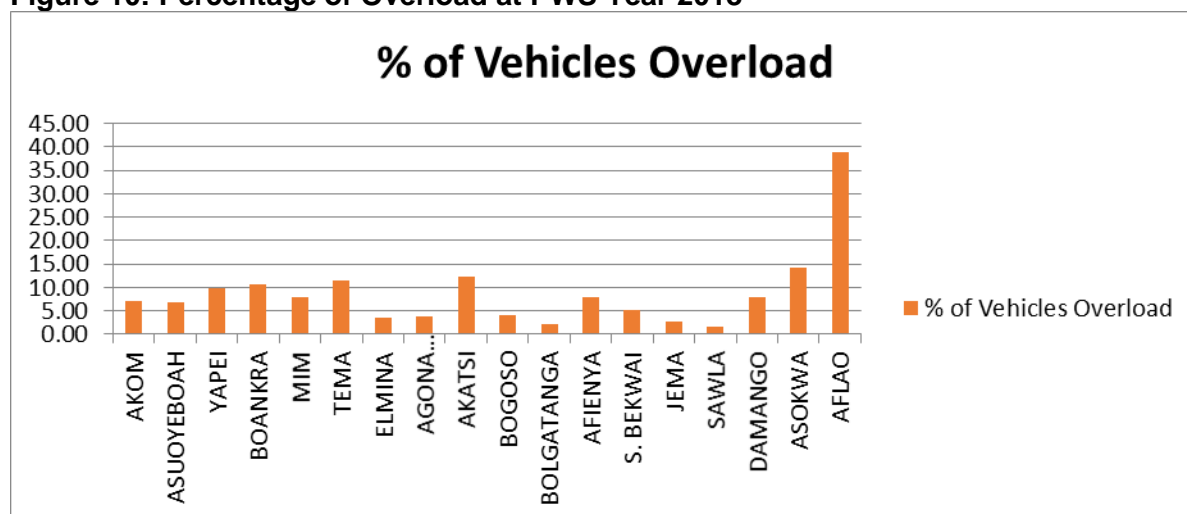
Figure 9: Distribution of Total Number of Vehicles Weighed at PWS



Source: GHA Road Safety & Environment Division December 2018

The levels of overloading at the permanent weighbridge stations along the various corridors during the year under review is shown in figure 10 below. The trend shows that, the level of overloading recorded at all the permanent weighbridge stations were generally below 15% of the vehicles weighed with the exception of the Aflao Border station which recorded a highest of 38.93%

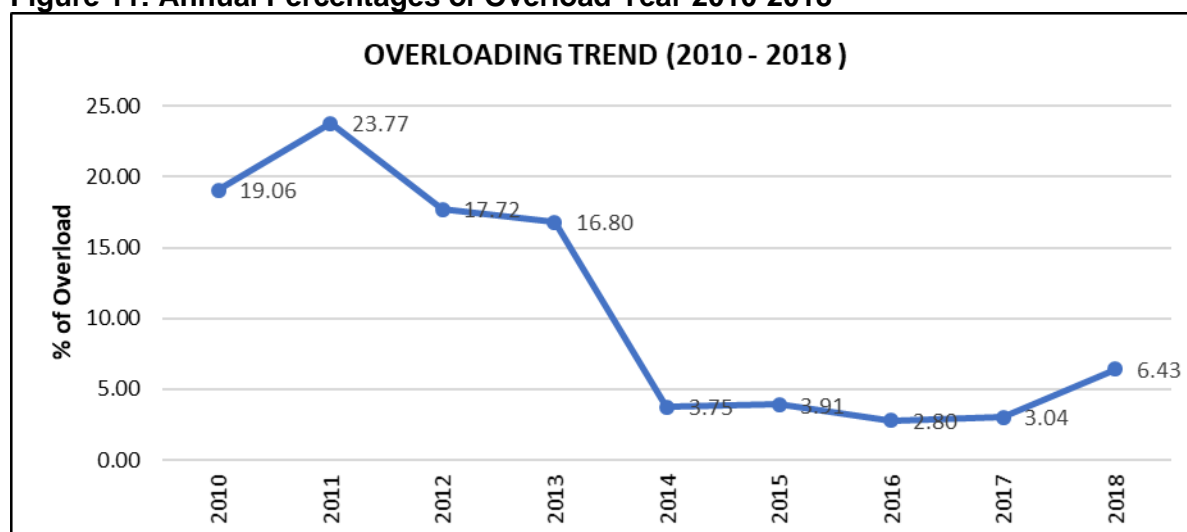
Figure 10: Percentage of Overload at PWS Year 2018



Source: GHA Road Safety & Environment Division December 2018

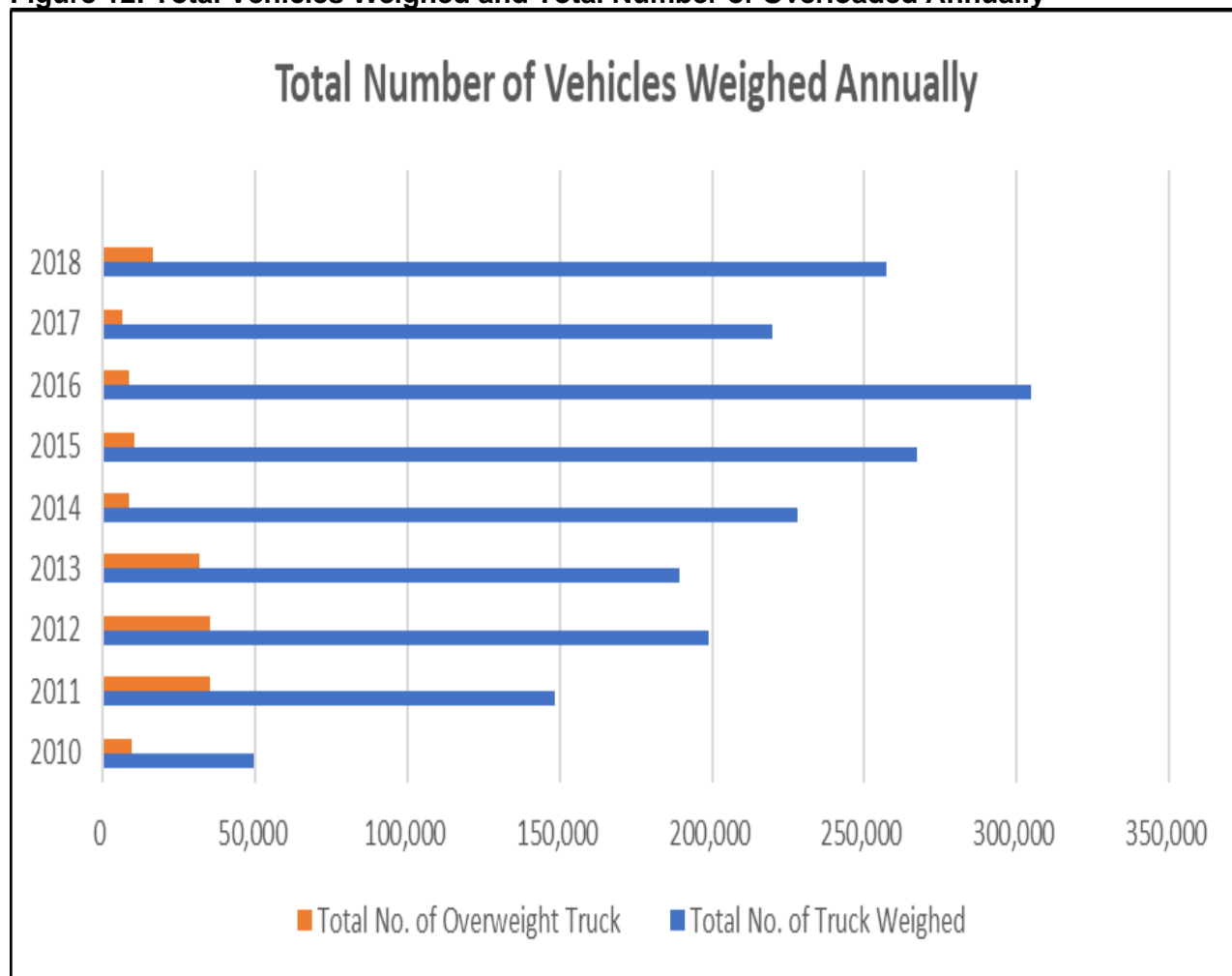
The annual average percentage of overloading and the total number of vehicles weighed from 2010 to 2018 has been provided in figures 11 and 12 respectively. There was a significant decline in the percentage of overloaded trucks from an average of 23.77% in 2011 to 3.04% in 2017 but rose again by over 3% in the year under review.

Figure 11: Annual Percentages of Overload Year 2010-2018



Source: GHA Road Safety & Environment Division December 2018

Figure 12: Total Vehicles Weighed and Total Number of Overloaded Annually



Source: GHA Road Safety & Environment Division December 2018

4.8 Road Safety Activities

Road safety activities carried out on trunk roads included the following

- Road Safety Audit;
- Accident black spot investigations and improvement
- Training of Consultants
- Road Furniture and Remedial Works;
- Environmental Management
- Research, Monitoring and Evaluation

Various stages of Road Safety Audits were carried on the following roads during the year under review in the various regions as detailed below:

Western & Central Region

- 🚦 Road safety assessment on Kasoa – Bawjiase road.
- 🚦 Road safety assessment on for speed humps on Winneba – Winneba junction road.
- 🚦 Supervision of road line marking on Asemama – Takoradi road project, (lot 1).
- 🚦 Road safety assessment on for speed humps on Bogoso – Ayamfuri road.
- 🚦 Supervision of road line marking on Agona – Busua – Busua road project.
- 🚦 Supervision of speed hump construction at Ahmey, Abuawonidua, Appeakrom and Dansokrom.
- 🚦 Supervision of installation of Safety devices at Sefwi Wiaso (Lot 6)
- 🚦 Handing over of site for installation of Safety devices at Sefwi Wiaso, Asempaneye & Ntoso.
- 🚦 Safety assessment for location of site for installation of speed humps at Benchema barrier and Asafo (Lot 11)
- 🚦 Road Safety assessment on Apimanim – Elubo road for provision of safety devices.
- 🚦 Road safety assessment for speed humps on Aniben junction – Tarkwa Highway at Bonsaso
- 🚦 Road safety assessment for relocation of Inchaban Police check point.
- 🚦 Supervision of roadline marking on Asemama – Takoradi section of N1, (lot 1).
- 🚦 Supervision of speed hump construction on Asemasa – Takoradi section of N1.
- 🚦 Inventory for speed hump construction on Apimanim – Elubo Highway.
- 🚦 Supervision for the relocation of Ankobra toll booth.
- 🚦 Performance assessment of installed bollards at Winneba junction.
- 🚦 Supervision of roadline marking on Cape Coast – Twifo Praso Highway.
- 🚦 Performance assessment of speed humps for regularization purposes.
- 🚦 Road Safety assessment for cutting of trees at Shama junction along the N1 upon request by Augustine Assefuah.
- 🚦 Supervision of the construction of 11no. speed humps on the Apimanim – Elubo Road which has been relocated to Takoradi on the Urban Roads.

- ✚ Review of inventories of road furniture on the upgrading of Tarkwa – Aboso – Huni valley – Damang (Lot 1, Lot2, & Lot 3)
- ✚ Review of speed calming design presented by Ghana Gas intending to construct speed calming device on the highway.
- ✚ Review of speed calming device presented by Goldfields Ghana in relation to the project; (upgrading of Tarkwa – Aboso – Huni valley – Damang)
- ✚ Road Safety assessment for Right of Way as per request from Amaja Oilfields Limited.
- ✚ Inspection of work zone safety on all sites awarded for the installation of road safety devices to assess their performance in relation to safety.
- ✚ Inventories for location of speed humps as per the contract (installation of Road safety devices on the contract (installation of road safety devices on the Agona – Elubo Highway) by Messrs. Samotrust Limited
- ✚ Supervision of the installation of the Road safety devices of the above.
- ✚ Site inspection of the Axle load station at Elmina for fire extinguishers, fire assembly point and the appropriate signage
- ✚ Supervision of Road sign line marking on the Daboase – Atieku Highway being installed by Messes Albero Di Dio Limited.
- ✚ Road Safety Assessment for speed humps as per request by Mantrac Ghana Limited.
- ✚ Supervision of road line marking and rumble strips installation Messrs. Sab Sul Ventures.
- ✚ Inventories and Supervision of Road Safety devices on the urban Roads at Takoradi Being installed by Messrs. Future Focus.
- ✚ Outline for Road Safety Scheme for the University of Cape Coast Primary Entrance and the university Gate 1 (Takoradi Bond).
- ✚ Supervision of line marking, Rumble Strips and Installation of Road traffic signs being undertaken by Messrs. Wabrama company Limited on the Takoradi – Agona Highway.

Eastern & Volta Region

- ✚ Inventory for road furniture and supervision of its installation on Partial reconstruction of Koforidua – Bonsu road project.
- ✚ Inventory for road furniture and supervision of its installation on Partial reconstruction Adoagyiri – Adeiso & Adeiso town roads and access to Cocobod warehouse project.
- ✚ Inventory for installation of crash barrier on Have – Kpando Road.
- ✚ Supervision of traffic road signs installation on the construction of Odumase – Oterkpolu Road.
- ✚ Supervision of speed tables construction on Denu – Kedzi Road.
- ✚ Supervision of Road line markings installation on ;
- ✚ Upgrading of Aburi – Nsawam roads (6.6Km) and other Aburi town roads (5Km), Adonten Senior High (1.9km), Springfield Community roads and Peduase main road project (1,4Km)
- ✚ Partial Reconstruction of Asamankese – Osenase – Akwatia road (12Km)
- ✚ Dabala Junction – Srogbe Road (km 7+000 -15 + 000)
- ✚ Dabala Junction – Srogbe Road (km 0+000 – 7+000)
- ✚ Supervised installation of Road Traffic Signs on 'Reconstruction of Odumase – Oterkpolu Road

- ✚ Conducted inventory for Road Traffic Signs and Road line markings on the Partial reconstruction of Cocoa Research Institute of Ghana's internal roads. (8Km)

Ashanti & Brong Ahafo Region

- ✚ Road safety assessment on Kumasi - Offinso road.
- ✚ Supervision of Road line marking on;
 - Kumasi - Ahiakwanta road (9km).
 - Kumasi – Ejura Road
 - Kumasi-Accra Road (18-36 km) Lot 2
 - Kumasi – Mampong Road (18-36) Lot 1
 - Kumasi – Mampong Road LOT 10
 - Kumasi – Mampong Road LOT 11
 - Kumasi – Mampong Road LOT 12
 - Kumasi – Sunyani (18Km)
- ✚ Supervision of provision and installation of crash barriers on Mampong scarp (3Km).
- ✚ Supervision of construction of 6 No strip using tropical reflective road line marking paint at Kona.
- ✚ Supervision of construction of rumble strip using reflective road line marking paint 9 No at Bekwai - Cape Coast road completed.
- ✚ Construction of speed calming devices at Ninting completed.
- ✚ Decongestion of KNUST junction, Boadi, Odoum and Ejisu round about.
- ✚ Installation of safety devices on Kuntense – Aboona Road completed.
- ✚ Construction of rumble strips at Akomadan on-going.
- ✚ Installation of Street lights on KNUST Junction – Ejisu and Suame Roundabout – Afrancho.
- ✚ Inventory for provision of road safety devices and line making on “Resealing of Kodua -Adomani road (9) km by Knapo Construction
- ✚ Inventory for provision of road safety diverse and line making completed (rehabilitation of Atimatim – Abuobogya road 9 km) by Kofi Job Company Limited
- ✚ Road line making on Kumasi – Mampong Ejura Road (Lot 10, 18km) completed by A. M. S and Sons Limited
- ✚ Road line making on Kumasi – Mampong Ejura Road (Lot 11, 18km) completed by Boni Boot Limited
- ✚ Road line making on Kumasi – Mampong Ejura Road (Lot 12, 18km) on going by Kellsson Limited
- ✚ Supervision of provision and installation of crashes berries on N 6 on by Facol Limited

Northern, Upper East & Upper West Regions

- ✚ Possession of site and supervision of the under listed projects;
- ✚ Construction and installation of Road Safety devices on Tamale – Buiepe Road, Lot 1

- ✚ Construction of 9 No. Traffic calming devices at Sawla, Damongo Axle Weighing Bridge stations & Bawa barracks
- ✚ Construction of 10 No. Traffic calming devices on Tamale – Tolon Road
- ✚ Construction and installation of Road Safety devices on Tamale – Buipe Road, Lot 3
- ✚ Construction of traffic calming devices on Tamale –Salaga Road (Km 2+00-10+00) Lot 6
- ✚ Construction of traffic calming devices on Tamale –Salaga Road (Km 10.6-28.8) Lot 7
- ✚ Construction and installation of Road Safety devices on Tamale – Buipe Road, Lot 3
- ✚ Provision and installation of retroreflective road studs on Tamale – Buipe Road
- ✚ Inventory of Road Signs, Line Marking, Crash Barriers and Speed Tables on the under listed roads:
 - ✚ Tamale – Salaga Road
 - ✚ Tamale – Yendi Road
 - ✚ Tamale – Tolon Road
 - ✚ Tamale – Kumbungu Road
 - ✚ Walewale - Nakpanduri - Regional Boundary Road
 - ✚ Banda Nkwanta - Bui, Teselima - Jama & Damongo Town Roads
 - ✚ Yendi - Zabzugu & Yendi - Saboba Roads
- ✚ Monitoring of Work zone safety on the under listed projects:
 - ✚ Wa – Walewale road
 - ✚ Tumu – Han – Lawra road
 - ✚ Walawale – Gambaga – Nakpanduri road
 - ✚ Yendi – Oti Damanko road
- ✚ Supervision of the under listed projects;
 - ✚ Construction & Installation of 5no. Road Safety Devices on Tamale – Buipe N10 Highway Road (Km. 0.200, Km. 0.800, Km. 1.700, Km. 2.00& Km. 2.700) – Lot 1.
 - ✚ Construction of Traffic Calming Devices at (Km. 2.00 – 10.00) on Tamale – Salaga Road – Lot 6
 - ✚ Construction of Traffic Calming Devices at (Km. 10.60 – 28.80) on Tamale – Salaga Road – Lot 7
- ✚ Supply and Installation of Materials for New Works and Two Year Maintenance of Streetlights on the Abedi Pele Roundabout to Shishagu - Nyankpala Highway - Lot 2
- ✚ Construction of Speed calming devices on “Upgrading of Walewale – Gambaga – Nakpanduri road (Km 4+000 – 26 + 000)
- ✚ Construction and installation of road safety devices on Tamale - Buipe (N10) Highway
- ✚ Traffic volume count and analysis to determine Average Daily Traffic for establishing Toll Station at Savelugu

Head Office

- ✚ Construction supervision of 4 street lighting project stated below:
 - Mallam Junction – Kasoa - Greater Accra Region
 - Patang Junction – Aburi – Greater Accra Region
 - Abedi Pele roundabout – Shishagu – Nyankpala Road – Northern Region
 - KNUST junction - ...Kumasi – Ashanti Region

- ✚ Performance assessment of Regional solar street light constructed under FLECK 1 project scheme.
- ✚ Monitoring of general safety and traffic management plan at Accra - Tema motorway tunnel project site.
- ✚ Retro – reflectivity exercise on trial sections on projects below;
 - Road line Marking on Yamoransa – Assin Praso Road (Km 40-60) (Lot 3)
 - Road line Marking on Agona - Discove & Busua Junction - Busua Rd. (Lot 1)
 - Road line Marking on Yamoransa – Assin Praso Road (Km 60-80) Lot 4
 - Road line Marking on Kumasi - Dadieso Rd. Lot 1 (Km 0 - 18)
 - Installation of Road Safety Devices on Mampong - Kumasi Rd. Lot 1
 - Construction of Speed Calming Devices On K'si - Anwiankwanta - Hwiremoase Rd. Lot 6
 - Road Line Marking on Kumasi - Mampong - Ejura Rd. Lot 1 (Km 0-18)
 - Road line marking on Kumasi – Mampong – Ejura road (km 36+000 -54+000) - lot 10
 - Road line marking on Kuntenase – Abonu road lot 15
 - Road line marking on Aniben junction – Bogoso junction (tarkwa road) KM 0+000-0+160 & 30+000- 34+600 (LOT 4)
 - Road line marking on Kumasi – Mampong – Ejura road (km 18-36) - lot 9
 - Road line markings on Sefwi Wiaso – Benchema barrier (KM 0+000-24+000) - LOT 10
 - Road line markings on Sefwi Bekwai – Awaso - Bibiani road (KM 0+000-0+14.0) - LOT 6
 - Road line marking on Bibiani - Brong Ahafo regional boundary (6km) Bibiani - Ashanti regional boundary (4.6KM)- LOT 9
 - Road line marking on Sefwi-Wiaso – Benchema barrier road (km 0.0 - 24+00)- lot 11
 - Road line marking on partial reconstruction of Asamankese – Osenanse Akwatia road (km 0 – 12)
 - Road line marking on “upgrading of Aburi – Nsawam roads (6km) and other Aburi town roads (5km), Adonten Senior High School roads (1.9km), Springfield Community roads – Peduase main road (1.4km)”
 - Installation of road safety devices & road line marking on Dabala – Srogbe Road (Km 0 + 20 – 0+ 40Km) LOT 18.
 - Installation of road safety features on Mallam-Winneba and George Walker bush N1 Highway.
 - Road line Marking on Kumasi - Mampong - Ejura Rd. Lot 1 (Km 0-18)
- ✚ Traffic management for the construction of storm water drain under emergency priority drainage intervention at Mallam junction
- ✚ Installation of road safety features on Mallam – Winneba and George Walker Bush Highway (Road line Marking) Lot 1
- ✚ Installation of road safety features on Mallam – Winneba and George Walker Bush Highway (Advance directional signs and gantry frames) Lot 2
- ✚ Installation of road safety features on Mallam – Winneba and George Walker Bush Highway (Traffic Signalisation) Lot 3
- ✚ Monitoring of general safety and traffic management plan at Accra - Tema motorway tunnel project site.
- ✚ Safety Assessment along the Konongo - Odumase Section of Accra-Kumasi Highway






- ✚ Review of document on Construction of Single Gauge Railway Line from Tema to Akosombo on Engineering, Procurement and Construction (EPC) basis – construction RCC box road under Bridge (rubs) at km 33+758 and 55+698
- ✚ Safety assessment at Tema toll booth end of Tema Motorway.
- ✚ Safety performance evaluation Madina – Ayi Mensah road and interventions implementation supervision.

4.9 Environmental Management

GSMF conducted training programmes for peer educators in Paga, Bolga, Buiepe and Kintampo as part of the implementation of the HIV/AIDS Action Plan on the Tema-Paga Road Corridor. GHA assisted and supervised an HIV/AIDS and Malaria Education on Navrongo-Chuchuliga-Tumu Road Project.

Stakeholder Engagement and Public Consultation Forums

As part of measures to facilitate citizen participation on road projects, GHA and Central Consultant Inc. organized a two-day stakeholders' forum at Assin Fosu on the JICA funded project for the improvement of the South Section of National Road No.8 in the Central Region. At the forum, officials of GHA and Central Consultants Inc. briefed key stakeholders and project affected persons on the following:

-  Objective of the project
-  Project Area and Component
-  Environmental Impacts
-  Social Impacts consisting of Entitlement matrix and
-  Grievance Redress Mechanisms.

During the 3rd a stakeholder's forum was organized in Elubo and Dominase in the Western and Central regions respectively. The forum accorded the World Bank Country Director and his team the opportunity to visit the various road projects funded by the Bank. The World Bank team visited the Agona Junction-Elubo and the Ayanfuri-Asawinso road projects and interacted with officials of the District Assemblies, project beneficiaries and community leaders to know the impacts of the projects on the communities and the Project Affected Persons.

Donor Funded Projects

The Authority with teams from World Bank and African Development Bank visited some selected projects during the second quarter.

The World Bank mission visited the Atebubu- Amanten roads, Buiepe and Yapei bridges under the Transport Sector Improvement Project (TSIP) to confirm the trunk road within the feeder roads network and also assess the status of the two bridges respectively.

The team from African Development Bank also carried out a preparation mission to assess the preparedness of the Eastern Corridor Development Phase 1 (N2) which the Bank has earmarked for financing.

RAP Implementation on Ayanfuri-Asawinso Road Project

A completion report for implementing the Resettlement Action Plan (RAP) has been submitted to the World Bank for review. The table below is a summary of the original RAP and the final RAP.

Table 26: Original RAP and the Final RAP.

Item	Description	Original 2009 RAP	Final 2014 -2018 RAP
1	Region	Central /Western Region	Central /Western Region
2	Districts	Upper Denkyira	Upper Denkyira West and Anwiaso Bibiani Bekwai
3	Road Length	52.20 km	52.20km
4	Total Affected Household Heads/PAPs who lost Buildings Structures, Crops and Trees	475	1,694
4.1	Number of Affected Communities	7	18
5	Affected Building /Structures	59	590
5.1	Number of Affected Bare lands	-	6
5.2	Affected Cemeteries	5	404
6	No. of PAPs who lost trees and food crops	-	694
7	Total amount for structures	GH¢279,036.34	GH¢6,633,494.96
8	Total amount for crops/farms	-	GH¢1,657,949.64
9	Total compensation	GH¢279,036.34	GH¢8,291,444.60

Note: Exchange rate applied at the time of the original RAP is GH¢1.18 to \$1. (December 17/08)

Source: GHA Road Safety & Environment Division December 2018

4.9 Road Maintenance Projects

A total of 28,124.80km of Routine Maintenance activities was achieved out of an approved annual programme of 99,469.13km. A total of 73.90km of Periodic Maintenance works were achieved out of an annual programme of 54.68km during the year under review annual.

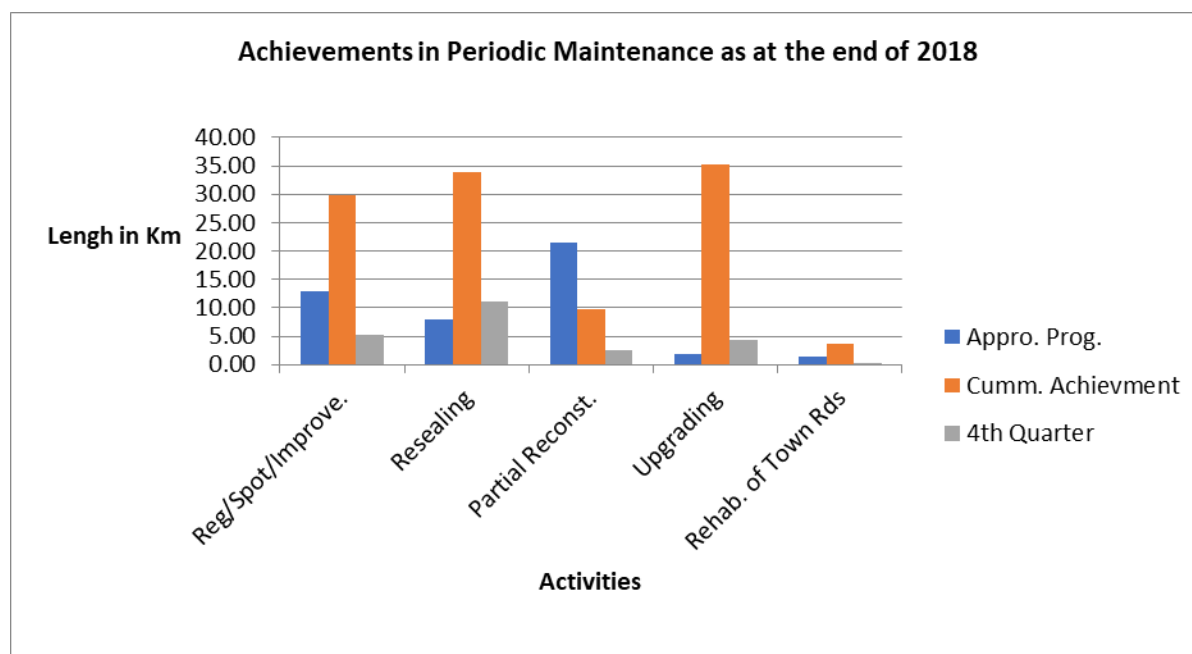
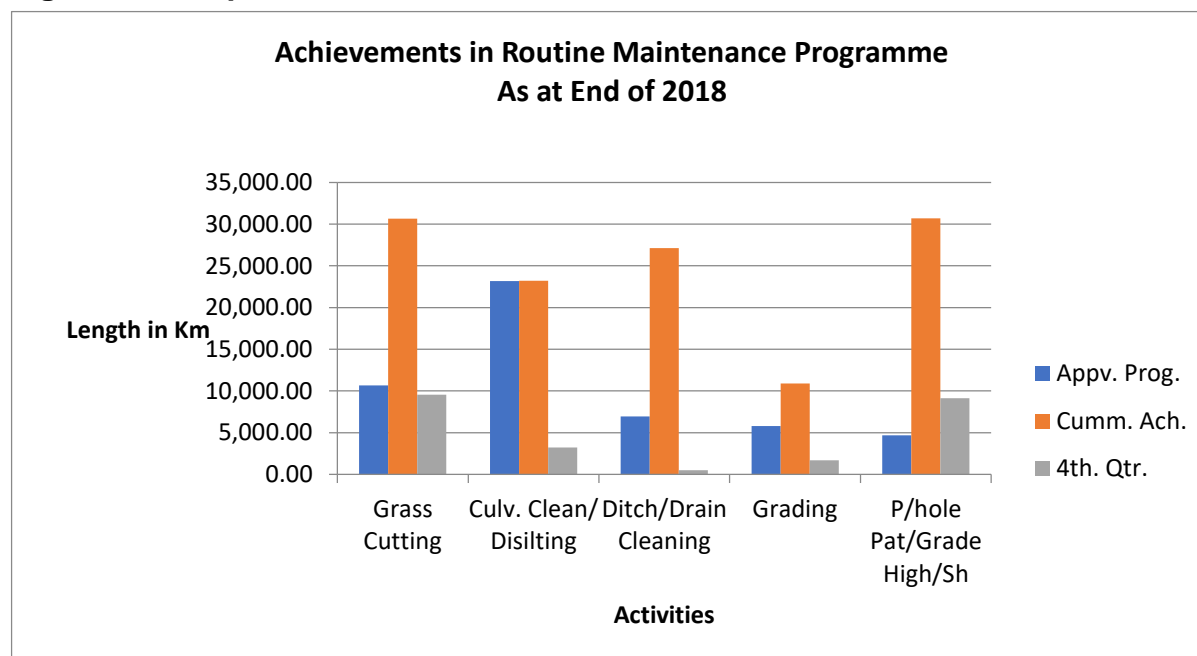
The details of achievements for the various activities in both routine and periodic maintenance activities are shown in table 27 and figure 13.

Table 27: Achievements in Maintenance Projects: 2018

GHANA HIGHWAY AUTHORITY										
ACHIEVEMENTS IN ROUTINE AND PERIODIC MAINTENANCE WORKS										
2018										
ACTIVITY	2018 PLANNED PROGRAMME		2018 APPROVED PROGRAMME		1ST QUARTER ACHIEVEMENT	2ND QUARTER ACHIEVEMENT	3RD QUARTER ACHIEVEMENT	4TH QUARTER ACHIEVEMENT	CUMM. ACHIEVEMENT	ACHIEVEMENT PER APPROVED PROGRAMME (%)
ROUTINE MTCE	UNITS		UNITS							
Grass Cutting	Km	10,674.00	Km	10,674.00	3,377.08	8,094.65	9,600.58	9,573.34	30,645.65	287.11
Culvert Cleaning & Desilting (No.)	No.	23,162.00	No.	23,162.00	2,690.20	4,789.88	12,532.41	3,218.29	23,231	100.30
Ditch/Drain Cleaning/Sweeping of Arte. RDS	Km	6,960.00	Km	6,960.00	7,111.30	11,726.09	7,792.17	503.23	27,132.80	389.84
Grading Gravel Surface & Ditch Cleaning	Km	5,798.00	Km	5,798.00	1,425.22	6,006.50	1,873.64	1,676.56	10,981.93	189.41
Pothole Patching & Grade High Shoulders	Km	4,692.80	Km	4,692.80	4,580.33	10,203.93	6,790.99	9,133.51	30,708.76	654.38
TOTAL		28,124.80		28,124.80	16,493.94	36,031.17	26,057.38	20,886.64	99,469.13	353.67
PERIODIC MTCE										
Regravelling/Spot Improvement	Km	131.30	Km	12.90	9.24	9.18	6.15	5.31	29.88	231.62
Resealing	Km	80.00	Km	8.00	7.02	7.95	7.86	11.14	33.97	424.63
Partial Reconstruction	Km	22.23	Km	21.53	0.46	4.62	1.99	2.64	9.71	45.09
Overlay	Km	9.76	Km	4.05			0.34		0.34	8.40
Drainage Structures & Bridges	GH¢/M	62.78	GH¢/M	3.01			10.08		10.08	334.88
TOTAL		243.29		46.48	16.72	21.75	16.34	19.09	73.90	158.99
Upgrading	Km	18.36	Km	1.86	6.73	6.09	18.21	4.31	35.34	1900.10
Rehabilitation of Town Roads	Km	14.14	Km	1.45		2.52	0.70	0.34	3.56	245.38
Reconstruction, Rehabilitation & Construction (Former Enhanced Projects)	Km	42.48	Km	1.59			27.46	16.71	44.17	2786.75
TOTAL		74.98		4.90	6.73	8.61	46.37	21.36	83.07	1,697.04

Source: GHA Maintenance Division December 2018

Figure 13: Graphical Presentation of Achievements in Maintenance Activities



Source: GHA Road Maintenance Division December 2018

4.9.1 Completed Projects

The table 28 below shows the projects that were completed in the year under review and taking over inspections conducted

Table 28: Completed Projects Year 2018

NO.	REGION	PROJECT
1	BAR	Regravelling and Spot Improvement of Prang-Kintampo Rd (km 6.0 - 11.0) Lot 1
2	BAR	Regravelling and Spot Improvement of Prang-Kintampo Rd (km 11.0 - 16.0) Lot 2
3	BAR	Regravelling and Spot Improvement of Prang-Kintampo Road (km 16.0 - 21.0) Lot 3
4	BAR	Regravelling and Spot Improvement of Prang-Kintampo Rd (km 21.0 - 26.0) Lot 4
5	ER	Regravelling of Asesewa-Abooso Road (km 0 - 5) Lot 1
6	UWR	Regravelling of Tumu-Gwollu-Hamile Road (km 45.0-55.0) Lot 1
7	UWR	Regravelling of Zini-Lambussie Road (Km 0-5) Lot 1
8	UWR	Regravelling of Zini-Lambussie Road (Km 5-10) Lot 2
9	UWR	Regravelling of Dorimon - Wechau - Ga Road (km 23.9 - 28.1) Lot 4
10	WR	Regravelling of Insu Junction - Oppong Valley Road (km 9.40 - 14.4)
11	WR	Regravelling of Insu Junction - Oppong Valley Road (km 14.4 - 19.4)
12	NR	Regravelling of Yendi-Zabzugu Road (km 33-38) - Lot 4
13	NR	Regravelling of Zabzugu-Tatale Road (km 5-10) - Lot 6
14	ER	Resealing of Mamfe - Koforidua Road Lot 4 - (km 21 - 28)
15	ER	Partial Reconstruction of Adeiso - Asamankese Road (Km 0-10)
16	ER	Partial Reconstruction of Nsawam-Aburi Road (Km 0-15.1)
17	ER	Partial Reconstruction of Nsawam (Adeiso) - Asamankese Road (Km 10-24)
18	BAR	Upgrading of Duayaw Nkwanta Roads (2.0km)
19	NR	Upgrading of Walewale-Gambaga Road (Km 27-38)

NO.	REGION	PROJECT
20	BAR	Upgrading of Ampomah - Anyima Road (km 0.00 - 9.2)
21	UWR	Upgrading of Nadowli-Lawra-Hamile Road (km 0-45) Lot 7
22	WR	Upgradng of Enchi - Dadieso Road (Km 30-50)

Source: Road Maintenance Division December 2018

Table 29: Substantially Completed projects

NO.	REGION	PROJECT
1	CR	Regravelling of Aboabo - Asikuma - Dunkwa Road (km 10 - 15)
2	NR	(Relocated to Regravelling of Yendi-Zabzugu Road (km 10-28)). Regravelling of Opijua - Wulensi (km 0.0 - 18.0)
3	NR	Regravelling of Kpandai-Buya Road (km 0-5) - Lot 1
4	NR	(Relocated to Regravelling of Yendi - Zabzugu Road (km 43 - 48)) Regravelling of Kpandai-Buya Road (km 5-10) - Lot 2
5	AR	Resealing of Konongo - Agogo Road (km 0 - 5)
6	UWR	Resealing of Wa-Nadowli-Jirapa Road (km 15 - 20) - Lot 2
7	UWR	Resealing of Wa-Fian-Han Road (km 5-10) - Lot 4
8	AR	Partial Reconstruction of Obuasi Junction - Dunkwa Road (km 2.0-15.5)
9	CR	Partial Reconstruction of Essiam Town Roads (3.5Km)

NO.	REGION	PROJECT
10	ER	Partial Reconstruction of Asamankese - Osenase - Akwatia Road (Km 0-12)
11	ER	Partial Reconstruction of Suhum - Asamankese Road (km 20-30)
12	ER	Partial Reconstruction of Apedwa - Kyebi - Bunso Road (km 0-12)
13	ER	Partial Reconstruction of Koforidua - Bunso Road (km 20 - 30.5), Old Tafo Junction to Kukurantumi Road (km 0 - 2.7) and Kukurantumi Junction to Kukurantumi to New Tafo Junction (km 0 - 3.0)
14	VR	Partial Reconstruction of Have-Kpando Road (KM 0 - 10)
15	GAR	Sectional Repairs and Overlay from Michael Camp-Afienya-Doryumu Road and Speed Tables at Korledor on N1
16	AR	Upgrading of Besoro - Agogo Road Phase 2
17	AR	Upgrading of Kumawu - Timaate - Drobonso Road (Km 17-31) & Drobonso Town Roads (3.3km)
18	BAR	Upgrading of Menji-Bui Road (km 30-43)
19	BAR	Upgrading of Prang-Kintampo Road (km 10.0 - 21.0)
20	BAR	Upgrading of Jema Nkwanta - Nkoranza Road Lot I
21	BAR	Upgrading of Kofibadukrom Jn - Kofibadukrom Road (Km 0-5)
22	BAR	Upgrading of Dormaa Ahenkro-Nkrankwanta Road (Km 10-20)
23	CR	Upgrading of Dunkwa - Twifo Praso - Assin Fosu Road (20Km)

NO.	REGION	PROJECT
24	ER	Upgrading of Anyinam-Kwabeng (km 0-10)
25	ER	Upgrading of Nsawam-Aburi Road (6.6km) and Others (Aburi Town Roads - 5km, Adonteng Senior High School Roads - 1.9km, Springfield Community Roads & Peduase Main Road - 1.4km) - Total Length 14.9km
26	GAR	Upgrading of Oyibi -Ashaiman Road (km 0-11.7)
27	NR	Upgrading of Walewale-Gambaga-Nakpanduri Road (Km 4-26)
28	NR	Upgrading of Tamale-Kumbungu-Nawuni Road (km 6 - 16)
29	NR	Upgrading of Tamale-Tolon-Daboya Road (Km 13.2-19.8, 22.2-25.6)
30	NR	Upgrading of Daboya-Mankarigu-Wiasi Road (km 0.00-10.00)
31	VR	Upgrading of Have-Kpando Road (Km 10-30)
32	VR	Upgrading of Kete Krachi - Buya Road (Km 10-30)
33	VR	Upgrading of Shia-Honuta-Kpedze Road (Km 0-5) & Kpedze Town Roads 1km
34	WR	Upgrading of Daboase - Atieku Road (Km 7 - 33)
35	WR	Upgrading of Daboase - Atieku Road (Km 33 - 59) Lot 2
36	WR	Upgrading of Akontonbra - Bodi Road (Km 0-15)
37	WR	Upgrading of Akontombra - Sefwi Wiawso Road (Km 0-10)
38	AR	Atimatim - Maase - Aboabogya Road (9km)

NO.	REGION	PROJECT
39	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)
40	WR	Rehabilitation of Tarkwa-Aboso-Huni Valley-Damang Road (km 18-29) - Lot 3
41	WR	Construction of Bridge over River Fure (Prestea-Samreboi Road)

Source: Road Maintenance Division December 2018

4.9.2 Ongoing Projects

Currently there are Seven Hundred and Sixty-Seven (767) on-going maintenance projects including Cocoa Roads. The breakdown into various activities is as in Table 30.

Table 30: 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			61			471.84
RESEALING			32			227.10
PARTIAL RECONSTRUCTION	13		4	2	26	757.50
SECTIONAL REPAIRS/PARTIAL RECONSTRUCTION /ASPHALTIC OVERLAY	2		1	1		52.20
TOWN ROADS	5		2			42.10
UPGRADING	58		8	18	32	2,249.20
REHABILITATION (UNPAVED)	1			3		137.00
REHABILITATION (PAVED)	11	3	3	7	4	514.47
RECONSTRUCTION	6		2	1	4	311.80
CONSTRUCTION				2	4	247.50
CONSTRUCTION/REHABILITATION				1		11.95
BRIDGE/DRAINAGE STRUCTURES			449		1	
TOTAL	96	3	562	35	71	5,022.66
	767					

Source: Road Maintenance Division December 2018

4.9.3: Substantially Completed projects

The forty (41) projects are substantially completed during the year under review.

4.9.4 GHA Mobile Maintenance Units

The Authority has three Mobile Maintenance Units: Mobile Maintenance Unit I (MMU I), Mobile Maintenance Unit II (MMU II) and a Bridge Maintenance Unit (BMU). **MMU I** which, is based at Techiman in the Brong Ahafo Region is responsible for the northern sector of the country. **MMU II** is based at Suhum in the Eastern Region, is responsible for the southern sector of the country.

Both Units carry out routine and periodic maintenance works on the roads in their respective sectors.

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

Details of work executed during the year by the Units are as shown in the Table 31.

Table 31: Achievements by Mobile Maintenance Units Projects 2018

PROGRESS REPORT ON WORKS EXECUTED BY GHA UNITS IN THE 4 th QUARTER OF 2018							
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 ² 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	Kofofidua - Suhum (Resealing/Partial Reconstruction)	Resealing/Partial Reconstruction	29	7.003	0.024		
	Essuehyia - Otum 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 Maintenance Division December 2018

4.10 Institutional Strengthening

4.10.1 Management Information Systems

The core function of the M.I.S. is the overall co-ordination and supervision of the Authority's computer systems, Data operations, Networking and hardware services. In line with this function the Division undertook the following major activities to improve the quality of work of staff.

4.10.1.1 E-Government Phase-II Project

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 two (2) representatives of GHA to attend Steering Committee meetings on various occasions at Ministry of Communications Conference Room. The various MDA's invited were asked to present a report on e-workspace activities so far and to brief NITA on any challenges they face.

GHA has installed outlook for members of staff. Staff can now assess their corporate email through this application. MS Lync is also available for staff to use

4.10.1.3 Recabling of GHA Offices-Head Office

The network cables in the Head Office was changed from Cat 5 to Cat 6e, the work have been completed. The Local Area Network (LAN) is operational now operational. New trunking and cabling were done to replace the existing LAN. About eight hundred (800) network points have been created for users. The network points are comprised of data and voice.

Most of the old switches were replaced with new Cisco and D-link switches. The new switches have been configured to receive and transmit data within specific broadcast domains. Fibre optic cables have been laid to connect cabinets on the various floors to the server room.

The work was done with funding from TSP and Road Fund.

There are currently on-going arrangements to segregate the LAN through V-LAN technology.

Three (3) servers have been set up in the server room pending configuration of roles to setup Active Directory system for users and computers at GHA Head Office.

4.10.1.4 Operations at the Toll Plazas

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.

Card Production

E-cards were produced for customers on request during the year under review.

Point of Sale Machine (POS)

The first phase of the deployment of the Point-of-Sale device at twenty-five (25) toll stations across the nation has been completed and staff at the toll stations trained accordingly. Two (2) technical teams of the MIS division visited the various Toll Stations to inspect the POS devices and also perform routine maintenance work on the POS. The staff of the division continues to give support to all the toll stations using the POS machines.

GHA Website Redesign and Development

The GHA website (www.highways.gov.gh) has been shut down temporarily due to maintenance works being carried out.

The Division removed all stale contents from the website and uploaded current and relevant contents.

The maintenance works is near completion with all major updates completed.

4.11 Human Resource Development

In line with the Authority's Policy of training and adequately motivating staff to acquire the needed skills knowledge and attitude to enhance performance in the discharge of their duties, various training courses were coordinated and organised in the year 2018. Funding for these courses was from the Government of Ghana (GOG) subvention, the Road Fund and the Internally Generated Funds (IGF).

4.11.1 Seminar/Conferences/Workshops

A summary of training programs organized for staff during the year under review is as shown in Table 32.

Management Level

In 2018 a total of Eighty (80) Management level personnel participated in various seminars, conferences, workshop, and short courses in both local and foreign institutions. Details of these course are as shown in Tables 33 and 34 below.

Middle Level

Under this category, a total of One Hundred and Seventy-One (171) Managers and Supervisors participated in both local and overseas programmes. Eight (8) Officers are pursuing Masters programmes in our Local Universities. Details of these course are as shown in Tables 32 and 33 below.

Junior Staff

Forty-Four (44) Junior Staff participated in various programmes. Forty-Two (42) junior staff participated in Tyre Safety Training at the MRH Conference Room.

Table 32: Programmes & Number of Staff Trained in 2018

CATEGORY	ACTIVITY	LOCATION	NO. OF STAFF TO BE TRAINED IN THE YEAR	NO. TRAINED IN THE YEAR
MANAGEMENT LEVEL	Seminar/Conference/Workshop	Foreign	2	5
	Seminar/Conference/Workshop (Local Institutions)	Local	20	19
	Higher Level Training(MBA)	Local	0	0
	In-House Training	Local	40	56
	T o t a l s		62	80
MIDDLE LEVEL	Seminar/Conference/Workshop	Foreign	5	5
	MSc Programme	Foreign	2	1
	Fellowship Programme	Foreign	6	2
	Seminar/Conference/Workshop	Local	50	43
	Higher Level Training(MSc/MBA)	Local	7	8
	HND/BSc. Programmes	Local	4	1
	In-house Training	Local	266	111
	T o t a l s		340	171
JUNIOR STAFF	HND/BSc. Programmes	Local	4	2
	Seminar (Workshop)	Local	0	42
	In-house Training	Local	80	0
	T o t a l s		84	44

Source: GHA Training & Development Division December 2018

Table 33: Details of 2018 Local Programs

NO	ACTIVITY	LOCATION	DURATION	PARTICI- PANTS	RANK
1	National Anti-Corruption Action Plan	GHA Board Room	1 day	17	Mgt.
2	National Conference on Technical Education	Caoital View Hotel, Koforidua	3 days	1	Mgt.
3	Training of GHA Staff on the use of the New Public Service Commission Performance Management Scheme	MRH Conference Hall	2 days	31	Mgt.
4	Official Launch of Ghana Highway Authority (GHA) on the Human Resource Management	MRH Conference Hall	2 days	7	Mgt.
5	FIDIC Training Courses and Modules 1 & 2 and the FIDIC/Turkey	Engineers Centre	2 days	5	Mgt.
6	Road Maintenance Seminar and Condition Survey Refresher Course	Protea Hotel, Takoradi	5 days	3	Mgt.
7	Road Maintenance Seminar and Condition Survey Refresher Course	Public Services Commission	4 days	2	Mgt.
8	Transport Infrastructure Conference	Ghana Institute of Engineers	4 days	1	Mgt.
9	Corporate Governance Training	State Enterprises Commission	1 day	10	Mgt.
10	Annual Internal Audit Conference	Internal Audit Agency	2 days	6	Mgt.
11	Launching of 2018 Audit	Public Services Commission	1 day	2	Mgt.
12	Training of Project Auditing	The Institute of Internal Auditors Ghana	2 days	1	Mgt.
13	2017 Editions of FIDIC Contract Training Modules 1,2,3,4,5 and other 2017 Standard Forms of Contracta	Engineers Centre	3 days	1	Mgt.
14	National Anti-Corruption Action Plan	GHA Board Room	1 day	10	Middle
15	Best Practices in File Management Workshop	Osu Ebenezer Presby Conference Suite	2 days	3	Middle
16	Standard Specification for Road and Bridge Work - 2007	Koforidua Training Centre	10 days	10	Middle
17	Training of GHA Staff on the use of the New Public Service Commission Performance Management Scheme	MRH Conference Hall	2 days	8	Middle
18	Managing Personnel Files and other HR Records	Osu Ebenezer Presby Conference Suite	2 days	3	Middle
19	Secrets to Effective Records Management	Osu Ebenezer Presby Conference Suite	2 days	3	Middle
20	Official Launch of Ghana Highway Authority (GHA) on the Human Resource Management	MRH Conference Hall	2 days	39	Middle
21	FIDIC Training Courses and Modules 1 & 2 and the FIDIC/Turkey	Engineers Centre	2 days	2	Middle
22	3 days Tax Workshop on Tax Amnesty Act 2017 (Act 955, The Tax Administration Act, 2016, Act 915, Income Tax, Regulation 2016 C.L. 2244 and Income Tax Act, 2015	University of Ghana Business School	3 days	3	Middle
23	A Seminar on Technologies and Practices for Weather-Resistant Green Roads	Ghana Institute of Engineers	2 days	10	Middle
24	Modern Stores and Inventory Management Strategies	Coconut Groove Regency Hotel, Accra	3 days	3	Middle
25	Road Maintenance Seminar and Condition Survey Refresher Course	Protea Hotel, Takoradi	5 days	60	Middle
26	International Road Safety Course	GIMPA	8 days	2	Middle
27	FIDIC Training Courses and Modules 3 & 4	Engineers Centre	4 days	2	Middle
28	Tyre Safety Training for Staff of GHA	MRH Conference Hall	1 day	39	Junior
29	Annual Internal Audit Conference	Internal Audit Agency	2 days	5	Middle
30	Training in Project Auditing	The Institute of Internal Auditors Ghana	2 days	5	Middle
31	2017 Editions of FIDIC Contract Training Modules 1,2,3,4,5 and other 2017 Standard Forms of Contracta	Engineers Centre	3 days	9	Middle

Source: GHA Training & Development Division December 2018

Table 34: Details of 2018 Foreign Programs

NO	ACTIVITY	LOCATION	DURATION	PARTICIPANTS	RANK
1	MACAO Forum Hostel by China International Construction Association	China	4 days	1	Mgt.
2	Seminar on Performance Based Contracts	Orlando, Florida - USA	11 days	1	Mgt.
3	KOICA Global Fellowship Programme on Road Operation and Maintenance for African Countries	Korea International Cooperation Agency (KOKA), Korea	20 days	1	Middle
4	Training Programme in Japan for Fiscal Year 2017 on "Practice of Environmental and Social Consideration for Investment Project Financing	Japan (JICA)	24 days	1	Middle
5	Training Programme in Japan for Fiscal Year 2017 on "Practice of Environmental and Social Consideration for Investment Project Financing	Japan (JICA)	20 days	1	Middle
6	Climate Change Vulnerability Impacts and Adaptation	Newcastle University (UK)	4 days	1	Middle
7	Risk Management and PPP Negotiation and Mobilisation	UK	5 days	1	Middle
8	Contract Administration	USA	11 days	1	Middle
9	Training Programme on Road Maintenance	JICA (Japan)	28 days	1	Middle
10	Seminar on Performance Based Contracts	Orlando, Florida - USA	11 days	1	Middle

Source: GHA Training & Development Division December 2018

4.12 Plant & Equipment

During the year under review, 657 jobs were received 558 completed and 99 outstanding at the Central Mechanical Workshop, an increase of 42% from the 2017 figure of 462.

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

Table 35: Jobs received and completed

QUARTER SECTION	1 ST		2 ND		3 RD		4 TH	
	Rec`d	Comp`d	Rec`d	Comp`d	Rec`d	Comp`d	Rec`d	Comp`d
Light	63	57	56	48	93	63	58	53
Electrical	58	47	58	47	95	89	42	40
Engine	7	7	5	3	5	4	5	4
Ancillary	13	11	23	12	22	23	10	13
Heavy	0	0	9	9	11	10	7	7
Machine	3	3	8	8	6	6	5	5

Note: Rec`d =Received, Comp`d =Completed **Source: GHA Plant & Equipment Division December 2018**

4.12.1 Ferries

M/S Sogakope

The repair works on the ferry was completed and operation started during the year. It is currently operational and undertaking trips on the Ada Foah – Amedeka route but not on the Ada Foah- Anyanui route. The inability to embark on the Ada Foah – Anyanui route is due to the sand banks at the landing site. This situation is negatively affecting the movement of the people living in and around Anyanui.

M/S Okor

M/S Okor has been slipped out of water over several years awaiting repairs. However, the repair works was not carried out leaving the ferry at the mercy of the harsh weather. This has resulted in the deterioration of the ferry at an alarming rate. Consequently, Management set up a Board of Survey to assess and evaluate the condition of the ferry leading to its disposal. The committee submitted its report for the consideration of Management.

Senchi – Akrade Ferries

The two (2) ferries were running smoothly and all activities were going on as expected. However, the operations are currently being winded up due to the completion of the rehabilitation works on the Adomi Bridge.

4.12.2 Procurement

The details of the procurement done in the period under review are as follows.

National Competitive Bidding (NCT)

1.0 SUPPLY OF COMPUTERS, ANTI-VIRUS AND TOLL AUTOMATION EQUIPMENT IFT NO. GHA/NCT/GDS/01/16

The above procurement has been carried out and delivery has been completed, payments to suppliers are still pending.

1.1 SUPPLY OF G.P.S EQUIPMENT AND SOFTWARE (RESTRICTED) IFT NO. GHA/NCT/GDS/02/16

The above procurement failed as two of the bidders tendered in their withdrawal letters, 24 hours to the day of opening. Retendering of the procurement would commence soon.

1.2 SUPPLY OF ONE (1) 4X4 CROSS COUNTRY VEHICLE IFT No. GHA/NCT/GDS/03/16

The above procurement has been duly been completed and supplies made, payments to suppliers have been made.

1.3 SUPPLY OF ONE (1) 4X4 CROSS-COUNTRY VEHICLE AND ONE (1) 4x4 PICKUP-TRUCK IFT No. GHA/NCT/GDS/04/16

The above procurement has been duly completed and items supplied and are currently in use. Payments have been duly made.

1.4 SUPPLY OF AUTOMATIC GROSS AXLE WEIGHERS AND SOFTWARE IFT: GHA/SS/GDS/01/16

Contract has been signed for the above procurement, supply has been made and installation is currently ongoing. Payments have not been made.

1.5 SUPPLY OF THREE (3) PORTABLE WEIGHING PASDS AND ACCESSORIES IFT: GHA/NCT/GDS/06/16

The above procurement is still on- going and it's at the evaluation stage, pending entity approval.

1.6 SUPPLY OF DECKING PLATES FOR MOTORWAY AND AKOM WEIGH BRIDGES IFT: GHA/NCT/GDS/05/16

The above procurement is still on- going and it's at the evaluation stage, pending entity approval.

1.7 SUPPLY OF G.P.S. EQUIPMENT AND SOFTWARE IFT: GHA/NCT/GDS/07/16

The above procurement is yet to be advertised in the national dailies for procurement to progress.

CHAPTER FIVE

5.0 Administrative Activities

5.1 Human Resource

The man-power status of the Authority was **1,296** at the inception of the year 2018. It however closed the year with a staff strength of **1,192**. The reduction was due to labour turn-over which included compulsory and voluntary retirements, resignations, deaths and dismissals. The total number of staffs exited for the year was 104 whilst recruitment was 0. The percentage in reductions and additions of staff strength of the Authority for the year under review therefore stood at 8.02% and 0% respectively. Should this trend continue without vigorous implementation of the GHA replacement plan, the staff will reduce so drastically that the Authority may not be able to meet its strategic objectives in the foreseeable future.

5.1.1 Man-Power Status for the Year 2018

The current staff strength of 1,192 as against the establishment of 2,526 comprised 615 being 52% Senior Staff and 577 being 48.4% Junior Staff. Table 36 below gives the man-power status for the various quarters of the year as well as the 4th quarter manpower statistics;

The data and the graph on Age Distribution are shown in Table 37 and Figure 14

Table 36: Man- Power Status for the Various Quarters of the Year 2018

MAN-POWER STATUS FOR YEAR 2018			
Quarter	Senior Staff	Junior Staff	Total
1 ST	627	648	1,275
2 ND	638	618	1,256
3 RD	630	585	1,215
4 TH	615	577	1,192

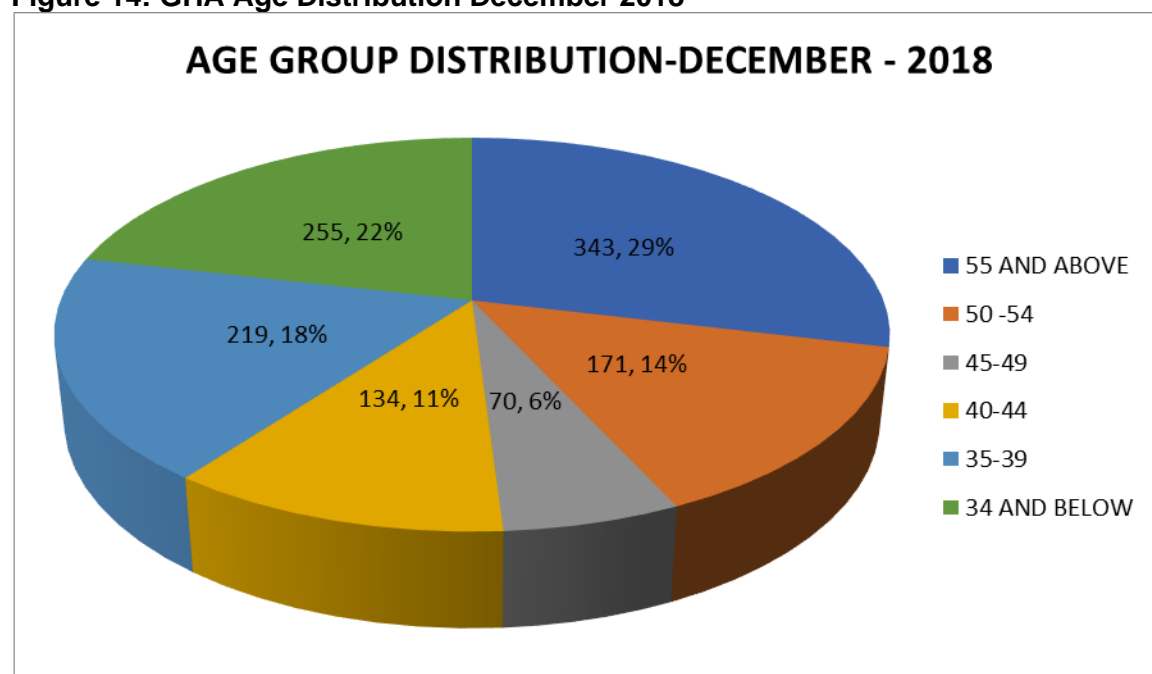
Source: GHA Human Resource Division December 2018

Table 37 : Staff Age Group Distribution

AGE GROUP DISTRIBUTION OF ALL GHA STAFF-DECEMBER-2018 c							
	55 AND ABOVE	50-54	45-49	40-44	35-39	34 AND BELOW	TOTAL
OCCUPATION CATEGORY							
ADM./ OTHER MANAGERIAL STAFF	58	30	11	14	39	30	182
CLERICAL STAFF	22	7	0	0	9	29	67
ENGINEERS	30	28	8	15	36	54	171
FOREMAN/CHARGE MAN	0	0	0	0	2	1	3
OTHER PROFESSIONAL STAFF	14	6	7	10	12	8	57
SEMI-SKILLED STAFF	83	34	19	36	49	40	261
SKILLED WORKERS	71	39	18	32	24	17	201
SUPERINTENDENT	13	4	0	0	0	0	17
TECH.& SUPERVISORY STAFF (I)	23	13	2	10	21	21	90
TECH.& SUPERVISORY STAFF (II)	0	0	1	2	8	34	45
TECHNICIAN ENGINEER STAFF	29	10	4	15	19	21	98
	343	171	70	134	219	255	1192

Source: GHA Human Resource Division December 2018

Figure 14: GHA Age Distribution December 2018



Source: GHA Human Resource Division December 2018

5.1.2 Staff Turnover

The year 2018 saw one hundred and four (104) staff exiting the Authority through retirements, deaths, resignations, dismissals and vacation of posts. The table below gives the man-power status for the various quarters of the year.

Table 38: Man-Power Status for Year 2018

Exits	1 ST Quarter	2 ND Quarter	3 RD Quarter	4 TH Quarter	Total
Retirement	20	15	37	19	91
Deaths	1	0	2	3	6
Resignations	0	1	1	1	3
Dismissals	0	3	1	0	4
Vacation Of Post	0	0	0	0	0
TOTAL	21	19	41	23	104

Source: GHA Human Resource Division December 2018

4.1.2 Staff Recruitment /Promotions & Postings

There were no recruitments in the year 2018. Sixty-four (64) staff were posted to different stations, consisting of both Senior and junior staff. One Hundred and Sixty (160) staff members were promoted to their next higher grades within the year 2018.

5.2 Public Affairs Issues




Press coverage was organized for activities of the GHA as follows:

- ✚ The Commencement of works on the Construction of the Tema Motorway Roundabout Grade-Separated Interchange. 11th January, 2018
- ✚ The Emergency Closure of Buie and Yapei – 31st January, 2018
- ✚ The Conclusion of works on Buie and Yapei Bridges. 3rd February, 2018
- ✚ The Closure of Kulungugu Bridge. 15th March, 2018
- ✚ Road Diversion at Tunnel link between East Legon-Spintex Road. 24th April, 2018
- ✚ Drainage Expansion; GAMA Sanitation Project. 24th April, 2018 Closure of the Buie and Yapei
- ✚ Public Sensitization on Traffic Management of Tema Motorway Roundabout Grade-Separated Interchange. 21st August, 2018
- ✚ Closure of Black Volta River Bridge at Bamboi. 14th September, 2018
- ✚ Public Sensitization on Expansion Works on Drainage Systems on Section of the N1 Highway Project. 8th October, 2018
- ✚ Public Notice of Unsafe Crossing of the Accra-Tema Motorway. 17th October, 2018
- ✚ Public Sensitization on Traffic Management of Tema Motorway-PHASE TWO. 21ST October, 2018
- ✚ Public concerns over deaths on Madina-Adentan-Pantang Road. 12th November, 2018

Advertisements/Announcements

Eighteen (18) advertisements and announcements were published in the newspapers, Radio and TV stations. Details are given below:

- ✚ Addendum: Extension of RFQ Submission Date
- ✚ Specification Procurement Notice Invitation for Tenders (IFT), Sogakope
- ✚ Supply and Installation of Tool Equipment (NTC)
- ✚ Addendum: Supply and Installation of Toll Equipment (NTC)
- ✚ National Competitive Tender (NTC); Supply of Computers, Printers and Accessories
- ✚ Commencement of works on the Construction of the Tema Motorway Roundabout Grade-Separated Interchange.
- ✚ Closure of Kulungugu Bridge.
- ✚ Temporary Closure of Buie and Yapei
- ✚ Intermittent closure of the Offin River Bridge on Dunkwan-On-Offin to Obuasi road on the N10 Highway.
- ✚ Road Diversion at Tunnel link between East Legon-Spintex Road.
- ✚ Drainage Expansion; GAMA Sanitation Project.
- ✚ Closure of the Buie and Yapei
- ✚ Public Sensitization on Traffic Management of Tema Motorway Roundabout Grade Separated Interchange. 21st August, 2018
- ✚ Closure of Black Volta River Bridge at Bamboi. 14th September, 2018
- ✚ Public Sensitization on Expansion Works on Drainage Systems on Section of the

- N1 Highway Project. 8th October, 2018
-  Public Notice of Unsafe Crossing of the Accra-Tema Motorway.
17th October, 2018
-  Public Sensitization on Traffic Management of Tema Motorway-PHASE TWO.
21ST October, 2018
-  Public concerns over deaths on Medina-Adentan-Pantang Road.
12th November, 2018

5.3 Legal Issues

As at the end of the year under review thirty-four (34) civil cases were pending in the various courts. Their states are set out as follows in Table 39 below:

Table 39: List of Civil Cases pending in the Various Courts.

	TITLE	COURT	SUBJECT	REMARKS
1	Otinshie Land Case Nuumo Adjei Kwankwo Vrs GHA ORS	High Court, Accra	Alleged trespass to land in Accra belonging to the Authority.	Dormant
2	Wisdom Awuku & Boadi Acheampong VRS GHA	Court of Appeal, Accra	Alleged wrongful dismissal	Appeal to the Supreme Court by the Plaintiffs is still pending.
3	James Manu Vrs GHA	High Court, Kumasi	Compensation	Pending
4	JoeMersa Co. Ltd. Vrs GHA	High Court, Commercial Division, Sunyani	Damages for wrongful termination of contract	Dormant
5	Long Life Confectionery Vrs. Ltd 1. Attorney General 2. GHA 3. China Railway Corp.	High Court, Accra	Compensation	Hearing adjourned to 29/01/19.
6	Esther Boye Boateng Vrs 1. Joyce Ansong 2. GHA	High Court Koforidua	Compensation	Pending. Case Management Conference (CMC) in on-going
7	Kwesi Attah Vrs 1.Kingsley Kwakye 2. Sowah Adjetei 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.	Amicable settlement reached with Plaintiff to be compensated.
8	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 to compel Defendants to 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 Project.	Plaintiff to furnish GHA with title deeds over property to enable process of compensation evaluation to proceed.
9	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 st Sept. 2011.	Dormant
10	Mercy Kabuki Tettehio(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. The High Court gave judgement in favour of Plaintiff. The Authority has appealed to the Court of Appeal.	Appeal Records forwarded to the Court of Appeal.
11	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 pay against the advice of LVD of the Lands Commission .	Dormant
12	Douglas Carl Botwe Vrs GHA	High Court Commercial, Kumasi	The Plaintiff sued claiming payment of compensation due him for the destruction of his 2No. properties during the construction of the Kumasi – Konongo Road Project.	Judgement in favour of Plaintiff on one property. Case dismissed in relation to the other property. Plaintiff received payment of judgement debt on the property for which judgement went in his favour.
13	Ghana Federation of the Disabled Vrs Attorney General, GHA, Millennium Development Authority	High Court, Human Rights Division Accra	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.	Terms of settlement now filed and adopted as consent judgement by court.
14	Edward Kobblah Penu Vrs Millennium Development Authority, GHA	High Court Human Rights Division, Accra	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.	Negotiations are still continuing between the GHA Team and Plaintiff towards the filing of Final Terms of Settlement for adoption by the Court.
15	Top Oil Vrs 1. Alhaji Yussif & GHA	High Court (Land Division) Tema	The Defendant Alhaji Yussif sued the Authority by a counter claim for the wrongful payment of compensation money to the Plaintiff Top Oil.	The case is pending

16	Japan Motors Trading Co. Ltd Vrs GHA	High Court (Commercial Division)	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.	The principal amount has been settled by the Ministry of Finance. What remains is the claim for interest payments.
17	Nyagsi Engineers Ltd. Vrs GHA	High Court, Commercial Division – Accra	Plaintiff sued the Authority for breach of contract.	Plaintiff filed Entry of Judgement. GHA has written to Plaintiff Counsel to clarify the basis for the computation of the judgement money being claimed by them as against the judgement awarded by the court.
18	Aduana Dawurampong Stool of Assin Atadanso Vrs GHA	High Court, Fast Track Division – Accra	Plaintiff sued the Authority for the recovery of GH¢668,958.43 for value of gravel and other soil material won from Plaintiff's land.	Dormant
19	Ben Sevor Vrs GHA & Others	High Court, Accra	Plaintiff sued the Authority for a declaration that all the Defendants were endangering human lives including Plaintiff's for not attending to potholes created on the Accra – Ho trunk road at Mampong Shai Street junction.	Dormant
20	Nana Adu Agyei Bonse II Ohene of Old Akrade Vrs GHA	High Court, Koforidua	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 Akrade to Senchi and also for the Authority to file in Court the accounts of proceeds arising out of the Pontoon Services.	Dormant
21	Mrs. Cecilia Buah Blankson Vrs. 1. GHA 2. Managing Director (Mawums Co. Ltd.)	High Court, Cape Coast	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.	Terms of Settlement signed by parties and filed in court.
22	Sydney t. Danso Ladans	High Court, General Jurisdiction, Accra.	Plaintiffs sued the Authority claiming claiming cost of medical and related expenses as well as damages for an accident near Islamic High School near Okurasi Junction, Suhum.	Dormant.
23	Edward Afful	High Court, Koforidua.	Plaintiff sued for trespass to his land, an order for valuation of land and assessment of damages and payment of compensation.	Plaintiff has furnished title on land. His claim forwarded to LVD for approval.
24	Ebusuapanyin Kingsly Quayson Vrs 1. Ghana Water Co. 2. GHA	High Court, Cape Coast.	Plaintiff sued for declaration of title to land abutting 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 Ghana Water Company Limited.
25	Nsuta Stool Vrs GHA	High Court, Kumasi	Plaintiff sued for recovery of land on 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.
26	Madam Benedicta Adwoa Anibea Vrs Ghana Highway Authority	High Court, Koforidua	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 received by the 3rd, 4th, 5th and 6th Defendants to the Plaintiffs as compensation for demolition of H/NO. GHA/OM 32. Omenako.	The case is pending
27	Quarcoo Tetteh Vrs 1. China Railway (WUJU) Group Corporation 2. Ghana Highway Authority	High Court, General Jurisdiction, Accra.	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	Evidence taking has commenced.
28	Danmens Mechanical Co. Ltd. Vrs Ghana Highway Authority	High Court, General Jurisdiction, Accra.	GHA's Western Region Hired its machine shop to Plaintiff who failed to pay rent for years. GHA locked the shop after several attempts to recover rent monies failed. Plaintiff then sued for relief.	Case at technical stages at the court.
29	Zikpuitor Yaovi Zor Vs GHA & 2Others	High Court, Ho.	Plaintiff sued for an order for GHA to pay compensation money belonging to Mathias Kofi Zor and an order to set aside the Letters of Administration of 2other Claimants	Case pending
30	Yaw Abekwei Vs MiDA, GHA, Land Commission & AG	High Court, General Jurisdiction, Accra.	Plaintiff sued for an order the payment of GH¢1,415,826.75 being compensation for compulsory acquisition of his land.	New Case GHA has entered appearance.
31	Isaac K. Brefo Vs Mr. Amo GHA	High Court, Accra.	Plaintiff sued for Defamation of Character, General Damages for denial of business development and encroachment on land.	Case pending
32	Madam Charity Amponsah - Mensah vs GHA & 5 Others	High Court, Land Division - Accra	Plaintiff sued for Declaration of Title and Recovery of land situated near old Dimples which forms part of the N1 Highway Road Reservation.	Case pending
33	Agricultural Development Bank (ADB) Ltd. vrs 1. African Modern Builders Ltd. 2. Fataou Awudu 3. GHA	High Court, Commercial Division, Sunyani	Plaintiff sued the Defendants for a recovery of GH¢2,352,253.00 from 1st Defendant as well as interest on same from 7th May 2018 till date of payment. GHA in the case because of an undertaking given to the effect of payment in joint names of the Bank/ 1st Defendant was not honoured.	GHA has Entered and Filed Appearance and Statement of Defence.
34	Ghana Airport Co. Ltd. Vrs. 1. GHA 2. Ali Issah 3. Ali Issah Ltd., Kumasi	High Court, Kumasi	Plaintiff sued GHA for the recovery of Land it claimed GHA is occupying illegally and for an order directed at GHA to vacate the land.	Case referred to External Lawyers in Kumasi to handle on behalf of GHA.

Source: GHA Legal Services Division December 2018

5.4 Internal Audit

Ghana Highway Authority Act 540 of 1997 requires the Internal Audit Division to review and report on all operations, systems, processes, and records undertaken by the Authority including those delegated or contracted out to third parties.

The Internal Audit Agency Act 2003, also mandates the establishment of Internal Audit Units in the Ministries, Departments and Agencies (MDAs).

Table 40 below outlines some of the key activities undertaken in the year under review.

Table 40: Details of Some Activities Carried Out in 2018

No.	ACTIVITY DESCRIPTION	STATUS
1.	Review of IPC No. 1 & 2 (Reconstruction of Nkwanta – Dambai Road - 50km)	Completed
2.	Review of IPC No. 11 (Upgrading of Nkwanta – Oti Damanko - km 0 – 50)	Completed
3.	Rehabilitation of Agona Junction – Elubo Road (Lot 1: Km 0 – 30) IPC No. 20A (Compensation)	Completed
4.	Review of IPC No. 75 - Construction of Three Lane Dual Carriageway from Tetteh Quarshie Interchange to Madina with 2No. Interchanges and Service Lanes (4.6km)	Completed
5.	Review of IPC No. 2, 3, 8 Construction of Bolgatanga- Bawku – Pulimakom Road (116.1km)	Completed
6.	Construction of Bolgatanga- Bawku – Pulimakom Road (116.1km) IPC No. 1, 4, 5, & 11	Completed
7.	Review of IPC 4 (Construction of Elubo- Enchi Trunk Road- KM17+600-37+600 N12 Phase II- Addendum No.1)	Completed
8.	Review of IPC 6 (Upgrading of Atebubu- Kwame Danso- Kwadwokrom Road – KM0.0-30.8 Lot 1)	Completed
9.	Pre Audit of Invoice No. 2a -M/S UWP Consulting (pty) Transport Sector Improvement Project	Completed
10.	Review of IPC No. 11 (Upgrading of Nkwanta – Oti – Damanko - km 0 – 50)	Completed
11.	Review of IPC No. 75 - Construction of Three Lane Dual Carriageway from Tetteh Quarshie Interchange to Madina with 2No. Interchanges and Service Lanes (4.6km)	Completed
12.	Pre audit of supply and installation of Network equipment	completed
13.	Review of Construction of Bolgatanga – Bawku – Pulimakom Road – (116km) (IPC Nos. 1, 4, 5 & 11)	Completed
14.	Review of Rehabilitation of Tarkwa – Bogoso – Ayamfuri Road (IPC No. 50)	Completed
15.	Review of construction of Elubo – Enchi Trunk Road Phase II (KM 17+ 600 – 37 – 600) Addendum No. 1 (IPC No. 4)	On going
16.	Pre-audit of Rehabilitation of Ayamfuri – New Obuase – Asawinso Road (IPC No. 26)	Completed

17.	Review of Construction of Bolgatanga – Bawku – Pulimakom Road – (116km) (IPC Nos. 8 & 10)	On going
18.	Audit of compensation payments of Agona Nkwanta-Elubo and Ayamfuri – New Obuase – Asawinso Road Pprojects	Completed
19.	Review of proposed washroom at Jema Weigh-Bridge station (IPC No. 1)	On-going
20.	Contruction of Ho – Fume Road (IPC No. 27)	On-going
21.	Rehabilitation of Tarkwa – Bogosu – Ayamfuri (IPC NO. 52A)	On-going
22.	Contruction of three lane carriage way from Tetteh Quarshie interchange to Madina with 2no. Interchange and Service Lanes (IPC No. 77A)	On-going
23.	Sectional Repair and Asphaltic overlay on Abuakwa – Tepa Road (IPC No. 19)	On-going
24.	Upgrading of Eastern Corridor Roads Rehabilitation of Asikuma Junction – Hohoe section (IPC No. 19)	On-going
25.	Pre-audit of Rehabilitation of Ayamfuri – New Obuase – Asawinso Lot 2 (IPC No. 8)	Completed
26.	Pre-audit of Rehabilitation of Ayamfuri – New Obuase – Asawinso Lot 2 (IPC No. 31A)	Completed
27.	Pre-audit of Rehabilitation of Ayamfuri – New Obuase – Asawinso Lot 2 (IPC No. 32)	Completed
28.	Pre-audit of Consultancy Services as Social Safeguard Specialist (IPC No. 9)	Completed
29.	Pre-audit of Rehabilitation of Ayamfuri – New Obuase – Asawinso Lot 1 (IPC No. 27)	Completed
30.	Audit of Survey and Design Division from January 2015 to July 2018	On-going
31.	Pre –Audit of Mutual Savings & Credit Fund	On -going
32.	Pre- Audit : Promotion, interdiction and compulsory retirement inputs from the Regions and Head Office	On -going
33.	Examination of payment vouchers (IGF) January to December 2017	Completed
34.	Examination of payment vouchers Accounts 18 from January to December 2017	Completed
35.	Examination of Journal vouchers January to December 2017	Completed
36.	Examination of monthly expenditure returns (Brong Ahafo Region) from January to November 2018	Completed
37.	Examination of monthly expenditure returns (Upper East Region) from January to November 2018	Completed
38.	Examination of monthly expenditure returns (Ashanti Region) from January to November 2018	Completed
39.	Examination of monthly expenditure returns (Upper West Region) from January to November 2018	Completed
40.	Review of GHA Dollar /GCB Pound Accounts H/O January to December 2017	Completed
41.	Examination of the Bank Register (posting of cheque stubs and deposit slips into the bank register) January to December 2017	Completed
42.	Examination of the Bank Register (posting of cheque stubs and deposit slips into the bank register) January to December 2018	On-going
43.	Examination of the value book register (receipts books, cheque books, waybills and toll tickets captured in the value book) from January to December 2017	Completed

44.	Audit of Accra, Ashaiman, Tema and Kasoa Toll Plazas from November 2016 to October 2017	Completed
45.	Examination of payment vouchers (Internally Generated Fund) (IGF) January 2016 - March, 2016	Completed
46.	Postings of payment vouchers to Synoptic Control Journal 2016	Completed
47.	Examination of payment vouchers (Internally Generated Fund) (IGF) 2017	On -going
48.	Examination of payment of RSDP Payment Vouchers- (2017) September, (vol. 1 and 2) and (2017)October (2017) November & December, Vol. 1&2	Completed
49.	Review of Monthly Expenditure Returns: (June, 2018 – August, 2018) <ul style="list-style-type: none"> • Greater Accra Region • BMU • Volta Region • Eastern Region (April, 2018) 	Completed
50.	Examination of monthly returns: <ul style="list-style-type: none"> • MMU II – February, March, April, May 2018. • Western Region – July and August, 2018. • Central Region – June and July, 2018. 	Completed
51.	Examination of Monthly Expenditure Returns: <ul style="list-style-type: none"> • BMU – Sept, Oct. and November 2018 • Greater Accra Region – Sept. Oct and November 2018 • Eastern Region – Sept, Oct, and November 2018 • Volta Region – Sept, Oct and November 2018 	Completed
52.	Examination of Head office main payment vouchers – Jan. 2018 (Vol. 1, 2 & 3) and Feb. 2018 (Vol. 1, 2 & 3)	Completed
53.	Examination Road Sector Development Project payment vouchers – Jan. 2018	Completed
54.	Employee Monthly Attendance Returns at Central Stores for the period August, 2016 to March 2017 (Payroll)	Completed
55.	Review of Monthly Expenditure Returns: (2018) <ul style="list-style-type: none"> • Western Region (January – February) • Volta Region (Jan. Feb.) • MMU II and BMU (Jan. - Feb.) 	Completed
56.	Audit of Store G, Tyres Store and Oil & Lubricant Store for the period Nov. 2016- March, 2017	Completed
57.	QAIP- Quality Assurance Implementation Programme	Completed
58.	Tolls Revenue Monitoring Audit (Tema, Accra, Ashaiman and Kasoa Toll plazas)	Completed
59.	Audit of the following tolls and axle load stations in the Central Region for the period January 2015 to July 2018: <ul style="list-style-type: none"> • Moree • Dunkwa-on-Offin • Assin Praso • Elmina axle load 	On-going

Source: GHA Internal Audit Division December 2018

CHAPTER SIX

6.0 Conclusion/Recommendations

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. The target road surface condition mix of 70% good, 20% fair and 10% poor would be achieved with the adequate injection of adequate resources. The road condition mix for the year 2016 stood at 56% good, 37.2% fair and 6.7% poor.

6.1 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 38 below shows the status of GHA Performance Matrix categorized into the four areas of performance as at the end of the period under review.

6.2 Constraints

Reduced Budget Allocation

Since 2012, the Subvention release to GHA has been dwindling, last year for instance, only GH¢263,282 - out of an approved budget of GH¢585,060 which is about 45%- was received from Ministry of Finance for Goods and Services for the year 2018.

Inadequate funding as a result of capping of IGF revenue by the Ministry of Finance and also non-release of salary and Non-Salary Related budget by the Ministry of Finance. GHA continues to owe staff in the various forms of allowance since 2013.






Inadequate Staff

The current staff strength is **1,192** as against the establishment of **2,526**. This means the total number of staffs exited in the year under review was 104, The percentage in reductions and additions of staff strength of the Authority for the year under review therefore stood at 8.02% and 0 % respectively.

The technical staffing situation has become critical in some divisions and regional offices. Most of divisions are under-staff in both technical and non-technical staff.








Should this trend continue without vigorous implementation of the GHA replacement plan, the staff will reduce so drastically that the Authority may not be able to meet its strategic objectives in the foreseeable future.

Other major constraints facing the Authority are categorized below:

-  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 as well as for their normal operations.
-  Overage and inadequate IT equipment and software for staff.
-  Delay in payment of compensation due to long valuation procedures and inadequate budgetary allocation.
-  Inadequate release of funds for Recurrent, Investment and Capital Investments.

6.3 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

-  It is hoped that, when the TSIP takes off, the IT needs for both head office and the regions will be addressed. NITA is also providing some IT services to the Authority namely –internet and corporate email services.
-  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
-  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. The recruitment will only be possible if approval is obtained from government.
-  Take practical steps to reduce energy consumption.

Key Performance Indicators

Ghana Highway Authority under the State Enterprise Commission, Performance Contract signed between the GHA 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 GHA evaluates its performance at the end of every quarter following the four areas of performance. Table 41 below shows the status of GHA Performance Matrix categorized into the four areas of performance as at the end of year 2018.

Table 41: Status of 2018 Performance Matrix Quarterly Monitoring Indicators Year 2018

Ghana Highway Authority - Status of 2018 Performance Matrix Quarterly Monitoring Indicators								
Performance Monitoring Indicators	Units	Targets (Approved)	Jan-March (Actual)	April-June (Actual)	July-Sept. (Actual)	Oct-Dec. (Actual)	% Achieved as at Dec 2018	Remarks
A. Financial/Economic								
1. Total Revenue of which								
(a) Compensation of Employees	GH ₵	25,675,286.00	6,023,653.05	12,240,141.18	20,368,807.77	26,492,509.89	103.18	
(b) Goods and Services	GH ₵	585,060.00	0.00	117,011.35	0.00	263,281.69	45.00	
(c) (i) Road Fund	GH ₵	80,000,000.00	0.00	6,618,954.50	8,255,095.50	56,007,965.11	70.01	
(ii) Road Fund Arrears (31st Dec, 2018)	GH ₵	405,011,353.80	65,637,702.05	127,406,815.59	0.00	254,316,597.37	62.79	
(d) Consolidated Fund (arrears as at 31st Dec, 2018)	GH ₵	968,485,430.00	46,400,979.99	155,864,342.79	286,401,699.31	298,433,090.62	30.81	
(e) Donor Funds	GH ₵	126,178,931.00	75,538,199.58	82,706,555.58	90,223,316.97	190,302,581.30	150.82	
(f) Other funds- Annual Budget Funding Amount (ABFA)	GH ₵	89,842,952.00	0.00	4,479,073.63	30,403,538.77	30,403,538.77	33.84	
(g) Total Revenue	GH ₵	1,695,779,012.80	193,600,534.67	389,432,894.62	435,652,458.32	856,219,564.75	22.96	
(h) Internally Generated Revenue	GH ₵	15,129,959.00	3,058,064.00	7,054,472.72	10,280,416.96	13,853,376.93	91.56	
2. Internally generated revenue / Total Revenue	%	0.01	0.02	0.02	0.02	0.02	0.02	
3. Internally generated revenue / Recurrent Expenditure	%	0.24	0.18	0.00	0.50	0.68	0.68	
B. Efficiency/Productivity								
1. Staff cost/Total Revenue	%	0.02	0.03	0.03	0.05	0.03	0.05	
2. Staff cost/Internally Generated Revenue	%	1.70	1.97	1.74	1.98	1.91	1.91	
3. Improve trunk road condition mix : Good	%	55	57	57	57	57	57	2017 Road Condition report
: Fair	%	36	36	36	36	36	36	
: Poor	%	9	7	7	7	7	7	
4. Labour strength	No.	1,700.00	1,275.00	1,256.00	1,215.00		1,215.00	
C. Dynamic Effects								
1. Staff training								
(a) Submission of 2017 budgeted training programme	Month	February	February					Submitted
(b) Implementation of budgeted training programme	%	100	0.08	0.17	0.17	0.19	0.19	
2. Corporate Planning								
Submission of updated Corporate Plan (2017 – 2037)	Month	November						2017-2037 Strategic Plan completed and submitted.
3. Road Maintenance								
(a) Submission of Road Maintenance & Minor works Programme	Month	November						Submitted
(b) Implementation of i) Routine Maintenance Programme	%	80	0.59	1.28	0.93	0.74	3.54	
ii) Periodic Maintenance Programme	%	80	0.36	0.47	0.35	0.41	1.59	
iii) Minor works Programme	%	40	1.37	1.76	9.46	4.36	16.95	
4. Road Safety Management								
(a) Submission of 2018 Road Safety Management Programme	Month	January	-	-	-			submitted
(b) Implementation of Road Safety Management Programme	%	100	0	0	0.00	0	0.00	No funds released
D. Management Improvement/Projects								
1. Submission of Quarterly Reports	Weeks	6	8	-	-			Comforms to SEC report format
2. Conformance to SEC Report Format	No.	6	6				100.00	
3. Submission of 2017 Audited Accounts	Month	March	-	-	-			Submitted
4. Submission of 2018 Draft Performance Contract & Budget	Period	October	-	-	-			Submitted
5. Submission of Approved Board of Directors Minutes	Weeks	1	-	-	-			Submitted
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 2018 Procurement Plan	Month	December	-	-	-	-		Submitted

Source: GHA Planning Division December 2018