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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 Department
<i>CATB</i>	-	Central Advisory Tender Board
<i>DANIDA</i>	-	Danish International Development Agency
<i>DFR</i>	-	Department of Feeder Roads
<i>DLP</i>	-	Defects Liability Period
<i>DTF</i>	-	Dutch Trust Fund
<i>DUR</i>	-	Department of Urban Roads
<i>EU</i>	-	European Union
<i>GHA</i>	-	Ghana Highway Authority
<i>GCAA</i>	-	Ghana Civil Aviation Authority
<i>GIFMIS</i>	-	Ghana Integrated Financial Management Information Systems
<i>GOG</i>	-	Government of Ghana
<i>GSGDA</i>	-	Ghana Shared Growth & Development Agenda
<i>IPC</i>	-	Interim Payment Certificate
<i>IGF</i>	-	Internally Generated Fund
<i>JBIC</i>	-	Japan Bank for International Co-operation
<i>JICA</i>	-	Japan International Co-operation Agency
<i>KfW</i>	-	Kreditanstalt für Wiederaufbau
<i>MMU</i>	-	Mobile Maintenance Unit
<i>MOF</i>	-	Ministry of Finance
<i>MOT</i>	-	Ministry of Transport
<i>NITA</i>	-	National Information Technology Agency
<i>OECE</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	<i>GHA Organisational Structure</i>
Appendix	B	<i>Status Report for Development Projects June 2016</i>

EXECUTIVE SUMMARY

The Ghana Highway Authority (GHA) under the Ministry of Roads and Highways (MRH) is charged by Act 540 with the responsibility for the development, management and maintenance of the trunk road network in Ghana. Ghana's trunk road network is about 14,536km.

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

GHA Vision and Target

The Ghana Highway Authority in its 2000 – 2015 strategic plan proposed to achieve a road network condition mix of 70% good, 20% fair and 10% poor. With a projected improvement rate of about 7% per annum, it is envisaged that by the close of December 2015, the target road surface condition mix of 70% good, 20% fair and 10% poor would be achieved.

In line with management decision to collect data in the dry season from now on, Road Condition Survey data collection for 2015 will be done in first quarter of 2016. Accordingly, it is hoped that the Road Condition Report for the year 2015 will be available within the 3rd Quarter of 2016.

Functional Classification of Roads

In 1998, the MRH introduced the new functional classification of roads in Ghana. Under this, trunk roads have been classified into National (N), Inter Regional (IR) and Regional (R) roads. This classification came with alphanumeric numbering system currently in use as shown Table 1

Table 2 also lists and defines the National roads and the various major cities, towns and regions that the national roads traverse.

Table 1: Functional Classification of Trunk Roads

ROAD CLASS	ASR	BAR	CR	ER	GAR	NR	UER	UWR	VR	WR	TOTAL (KM)	%
N	434.9	560.5	326.9	334.6	259.5	1,003.6	287.5	396.8	418.4	442.9	4,465.6	31
IR	334.2	530.7	199.7	369.5	0.0	460.3	61.4	82.9	33.7	304.6	2,377.0	16
R	826.0	938.3	670.2	833.8	199.7	1,472.4	238.6	535.3	963.6	953.8	7,631.7	53
TOTAL (KM)	1,595.1	2,029.5	1,196.8	1,537.9	459.2	2,936.3	587.5	1,015.0	1,415.7	1,701.3	14,474.3	100

Source: GHA Road Maintenance Division June 2016

Table 2: National Roads

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

Source: GHA Road Maintenance Division June 2016

CHAPTER ONE

1.0 INTRODUCTION

1.1 Establishment

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

1.2 Mission Statement

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

1.3 Policy Objective

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

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

1.4 Governing Body

A constituted Board of Directors governs the Authority. The Board has the Chief Executive of GHA as a member.

1.5 The Directorate

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

1.6 Departments, Divisions and Regions/Road Area Offices

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

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

1.7 Excerpts from 2016 Budget Statement

The theme for this year's budget is "Consolidating Progress towards a Brighter Medium Term". The consolidation agenda hinge on Government's commitment to promoting fiscal discipline based on enhanced domestic revenue mobilization, prudent public expenditure management, improved debt management and the implementation of reforms in key areas of the economy.

The 2016 budget is based on Ghana Shared Growth and Development Agenda (GSGDA 2014 – 2017), which incorporates a Medium Term Vision and Strategy for the country. By this GSGDA II, Government goal is to achieve a stable, united inclusive and prosperous country with opportunities for everybody and also achieve a per capita income of GH¢3,000 by the year 2020 (source: 2016 Budget Statement, MOF).

Last year, the Contribution of Construction sub-Sector Growth to industry Sector was 12.8% as against a Target of 6.7% (GSS).

The policy of government indicated in the 2016 Budget Statement is to continue to enhance the resilience of the Economy against volatilities and promote Economic growth with job creation.

The strategies to be adopted by Government to attain the goal include among others are;

- ❖ Enhance the efficiency, transparency and accountability of the Public Financial Management Systems.
- ❖ Create additional fiscal space for sustainable budget expenditures and enhance efficiency in tax administration, compliance and increase tax revenue.
- ❖ Rollout fully the excise tax stamp project.
- ❖ Implement measures to address revenue leakages, Introduce policies to rationalise and streamline the exemption policy.
- ❖ Adoption of a new approach through Public Private Partnerships for Infrastructure Development

- ❖ Manage the impact of the compensation bill through payroll management
- ❖ Develop a draft National Infrastructure Plan

The total Revenue and grants including oil for the 2016 budget are estimated at GH¢38.08billion equivalent to 24% GDP. Compensation to employee will cost GH¢14 billion representing 8.9% of GDP. Expenditure on goods and services is at GH¢2.5 billion.

It is important to note that GHA plays important role in the National Economy due to the nature of the service it provides. As the economy is expected to grow by 8.2% and construction sector to grow by 30.6% this year, GHA is expected to contribute significantly to the growth of the economy in terms of road development.

Since 2012, the Subvention release to GHA has been dwindling, last year for instance, only GH¢55,000 was received from Ministry of Finance. This therefore means that the Authority has to increase the IGF generation to be able to meet its operational expenses.

Recently some IGF sources were identified and Parliamentary approval sought to be able to charge rates for these services. It is expected that the Authority would generate GH¢5.4million from IGF this year. Last year, we were able to generate about GH¢4.2 million.

1.8 Road Condition Mix for Year 2015

As stated earlier the Road Condition Mix for the year 2015 will be reported in the year 2016 3rd quarter report.

1.8.1 Road Network Condition 2010-2014

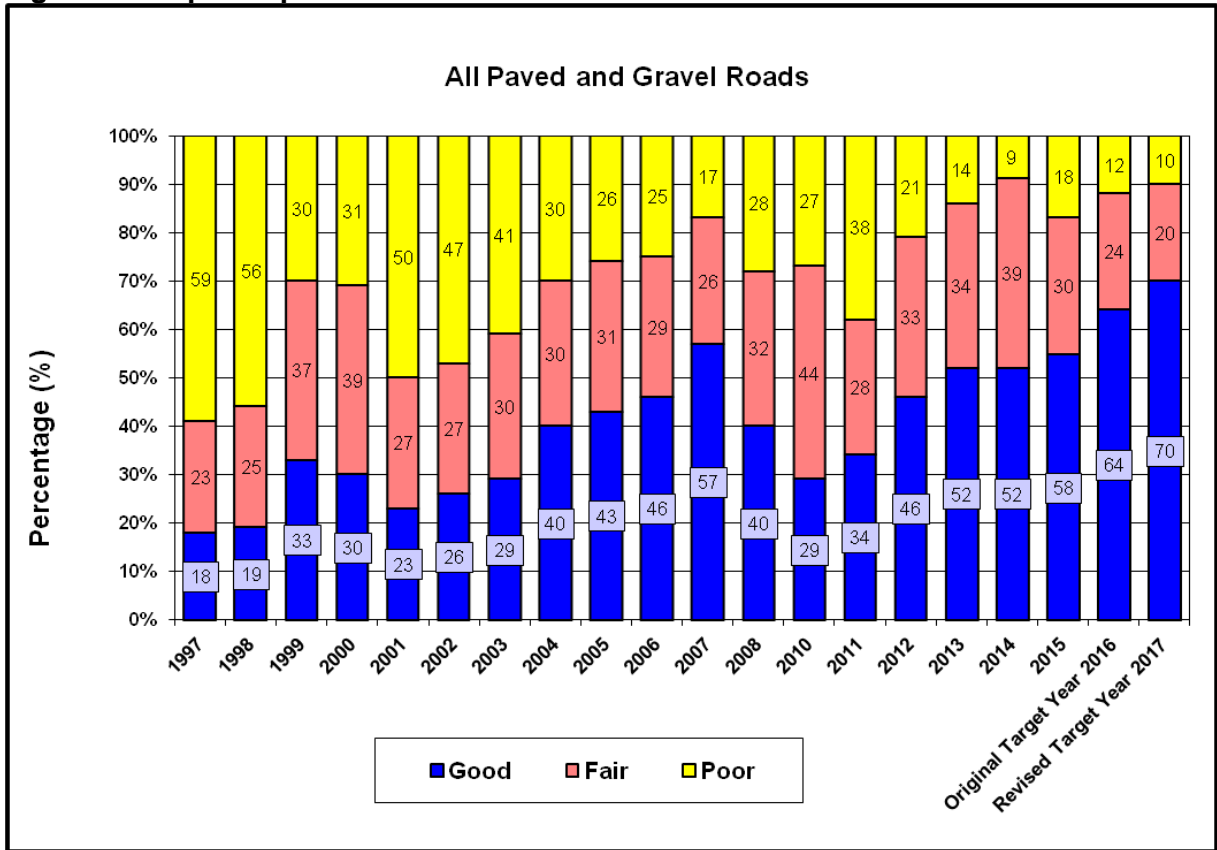
The 2014 road condition report makes comparison with those of 1997 – 2014, as depicted in Table 3 below.

Table 3: Condition Mix of Paved & Unpaved Road Network Condition from 1997 to 2014

YEAR	GOOD		FAIR		POOR		TOTAL	
	Km	%	Km	%	Km	%	Km	%
1997	2,512.00	18	3,210.00	23	8,233.00	59	13,955.00	100
1998	2,566.00	19	3,377.00	25	7,564.00	56	13,507.00	100
1999	4,433.00	33	4,970.00	37	4,030.00	30	13,433.00	100
2000	3,381.00	30	4,293.00	39	3,448.00	31	11,121.00	100
2001	2,726.00	23	3,152.00	27	5,984.00	50	11,850.00	100
2002	3,089.00	26	3,244.00	27	5,639.00	47	11,972.00	100
2003	3,272.00	29	3,316.00	30	4,540.00	41	11,128.00	100
2004	4,410.00	40	3,294.00	30	3,250.00	30	10,942.00	100
2005	4,739.00	42	3,510.00	31	2,928.00	26	11,177.00	100
2006	5,402.00	0	3,397.00	0	2,924.00	0	11,723.00	100
2007	6,342.00	57	2,970.00	27	1,868.00	17	11,180.00	100
2008	4,696.00	40	3,771.00	32	3,150.00	27	11,618.00	100
2010	3,865.00	29	5,841.00	44	3,556.00	27	13,263.00	100
2011	4,567.00	34	3,758.00	28	5,019.00	38	13,344.00	100
2012	6,183.50	46	4,411.80	33	2,881.90	21	13,477.00	100
2013	6,490.00	52	4,271.00	34	1,777.00	14	12,538.00	100
2014	7,492.33	52	5,643.59	39	1,262.80	9	14,398.72	100

Source: GHA Road Maintenance Division, June 2016

Figure 1: Graphical presentation of 2014 Road Condition Mix for Paved & Gravel Roads



Source: GHA Road Maintenance Division, June 2016

CHAPTER TWO

2.0 ADMINISTRATION DEPARTMENT

2.1 Finance Division

2.1 .1 Financial Status Report

The Authority is still constrained by undue delay in the release of funds. Details of the Approved Budget Ceilings for the year 2016 and the pattern of releases as at 30th June, 2016 are provided below:

ITEM DETAILS	<u>Budget Approved</u> <u>GH¢</u>	<u>Amount Released</u> <u>GH¢</u>	<u>% Released</u>
1. Compensation for Employees	22,442,466.00	11,061,433.18	49.29
2. Goods and Services	148,795.00	-	0.00
3. Investment - GOG	96,618,257.00	26,703,848.53	27.64
4. Investment - GOG Arrears (as at 30 th Dec. 2015)	592,968,652.41	12,761,935.00	2.15
5. Investment - Road Fund	75,000,000.00	17,967,132.67	24.00
6. Investment – Road Fund Arrears (as at 30 th Dec. 2015)	128,647,064.83	74,943,322.80	58.00
7. IGF	5,400,000.00	2,438,422.66	45.16
8. Investment - Donor	144,713,631.00	218,540,282.63	151.00
	<u>Arrears as @ June</u>	<u>Amount Released</u>	<u>% Released</u>
Salary Related Allowances	2,316,537.15	-	

2.1.2 Recurrent Expenditure

Details of the Approved Budget Ceilings for the year 2016 and the pattern of releases as at 30th June 2016 are provided in Table 4

2.1.3 Expenditure Incurred & Releases

2.1.3.1 Routine Maintenance

An amount of GH¢75,322,688.04 was outstanding for routine maintenance at 30th June, 2016. Contract Certificates raised for work done as at 30th June were GH¢54,587,537.65 whilst payments made by Road Fund Secretariat were GH¢70,650,376.97. (This includes arrears of GH¢65,201,025.48 from previous years).

2.1.3.2 Periodic Maintenance & Minor Works

An amount of GH¢70,474,008.05 was outstanding for work done under Periodic Maintenance & Minor Works as at 30th June. The certificates submitted for work done as at June amounted to GH¢43,784,466.66 whereas payment made as at 30th June by Road Fund Secretariat was GH¢11,105,454.66. (This includes arrears of GH¢8,432,044.08 from previous years).

2.1.3.3 GHA Units / Toll Operations

A total amount of GH¢11,154,623.84 has been received from Road Fund Secretariat as at 30th June 2016, for MMUs, BMU, Toll operations, Data Collection & Survey and Ferry. The details of the disbursement are shown on table 5 below.

2.1.3.4 Development/Capital Projects

An amount of GH¢809,662,589.95 was outstanding as at 30th June, 2015 for GOG Funded Projects. Certificates submitted for work done as at 30th June, amounted to GH¢849,128,373.49. The total release made by MOF as at 30th June, was GH¢39,465,783.53 (This includes arrears of GH¢12,761,935.00 from previous years)

2.1.4 Revolving Fund & Financial Position of the Fund

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

2.1.5 Audited Accounts

The year 2015 Draft Audit Report has been issued by GHA's external auditors for Management action

Table 4: Approved Budget for the Year 2016 & Releases as at 30th June 2016

Expense Item	Budgets GH¢		Receipts/Releases GH¢			GH¢	GH¢
	Approved	Revised	1 st Quarter	2 nd Quarter	3 rd Quarter	4 th Quarter	Cum. releases
Personnel Emoluments	22,442,466		5,552,167	5,509,266.1			11,061,433
Goods and Services	148,795		-				-
Total	22,591,261	-	5,552,167	5,509,266	-	-	11,061,433
Development							
- GoG***	689,586,909	-	11,214,909	798,447,681			809,662,590
- Donor*	144,713,631		41,100,985	75,796,571			116,897,556
(AB Fund Oil Revenue)			-				
Total	834,300,540	-	52,315,894	874,244,252	-	-	926,560,146
Maintenance							
- Periodic (Road Fund)	2,933,464		2,668,362.9	8,437,091.8			11,105,455
Road Fund Arrears as 31st Dec 2015	128,647,065		15,234,082.1				15,234,082
- Routine (Road Fund)	71,616,536		11,703,564.1	58,946,813			70,650,377
**Others			3,167,003.2	7,987,621			11,154,624
Total	203,197,065	-	32,773,012	8,437,092	-	-	108,144,538
Maintenance (Donor)							
Periodice Maintenance							-
Traffic M'gt & Road Safety Activities							-
Internal Generated Fund (IGF)	4,540,633		142,427	2,295,996			2,438,423
Total	4,540,633	-	142,427	2,295,996	-	-	2,438,423
Grand Total	1,064,629,499	-	90,783,501	890,486,605	-	-	1,048,204,539
* For List of Donors, please refer to Table: 5							
**Others are made up of releases from Road Fund Secretariat for Toll Operations, GHA Units and Training							
*** Please refer to page 16 of the report for details							

Source: GHA Finance Division, June' 2016

Table 5: Summary of Funds Released

	2 nd Quarter 2016	Cumulative for the Year 2016
Recurrent Expenditure:	GH¢	GH¢
Item 1 – Compensation – Salaries & Wages	5,509,266.11	11,061,433.18
Item 2 – Goods & Services		
Item 3 – Salary Related Allowances		
Item 4 – Investment:		
Routine Maintenance	58,946,812.90	70,650,376.97
Periodic Maintenance & Minor Works	8,437,091.79	11,105,454.66
Consultancy – Road Fund/ Training		
Fuel for Monitoring		
Ferries (Senchi & Ada)		614,765.60
Supervision & Data Collection (Rd Cond. Survey)		15,287.64
GHA Units	590,467.00	590,467.00
Release for Tolls Operation	7,397,153.60	9,934,103.60
Axle Load and weighing Management	1,055,020.05	2,012,948.94
Capital/Investment		
GOG Release (both current & arrears)	798,447,680.83	809,662,589.95
DONOR: EU	1,449,907.38	8,587,612.02
ADB	90,741.00	8,228,101.84
TSP	6,436,586.00	7,383,365.00
BRAZIL	11,506,108.90	32,648,365.00
WATTFP	116,007.89	116,007.89
TOTAL	19,599,351.17	56,963,451.75

Exchange Rate \$ 1 = GH¢ 3.8365 *Source: GHA Finance Division, June 2016*

2.1.7 Revenue from Tolls

2.1.7.1 Road and Bridges Tolls

Total revenue accrued from tolls as at 30th June, 2016 was GH¢32,381,973.96. This represents 22.3% increase as compared to the amount of GH¢26,471,485.19 collected for the June period of 2015.

The increase of GH¢5,910,488.17 was due to the cash collection exercise at some of the Toll stations as well as monitoring activities and increase in vehicular traffic.

Table 6: Comparative Toll Revenue Performance (Actual and Budget, 2016 & 2015)

Toll Revenue Type	Budget Jan. - June, 2016	Actual Collection, Jan. - June, 2016	Percentage Achieved, Jan. - June, 2016	Actual Collection, Jan. - June, 2015
	GH¢	GH¢	%	GH¢
Revenue from manual toll stations	21,284,328.72	19,544,502.90	91.83	14,132,366.23
Revenue from Ada Ferry	45,000.00	43,788.48	97.31	4,631.10
Senchi & Akrade	0.00	0.00	0.00	2,424,608.50
SUB-TOTAL	21,329,328.72	19,588,291.38	91.84	16,561,605.83
Revenue from automated toll stations	11,352,006.00	12,793,682.58	112.70	9,909,879.36
GRAND TOTAL	32,681,334.72	32,381,973.96	99.08	26,471,485.19

Source: GHA Finance Division June 2016

2.2 Human Resource Division

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

2.2.1 Human Resources Planning & Evaluation

As at 30th June, 2016, staff strength of the Authority stood at **1,480** against an Establishment of 2,529. This comprised 672 being 45.4% Senior Staff and 808 being 54.6% Junior Staff as shown in the table 7 below; Table 8 also shows the age group distribution.

Table 7: Human Resource Strength – GHA Staff Structure as of 30th June, 2016

GHA HUMAN RESOURCE STRENGTH - STAFF STRUCTURE- 30TH JUNE 2016.																
DESCRIPTION OF OCCUPATION	ACTUAL STRENGTH	VACANCY	HQ	GAR	VR	ER	CR	WR	ASH	BAR	NR	UER	UWR	MMU I&II	BMU	
TOP EXECUTIVES	3	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0
DIRECTORS	29	-2	19	1	1	1	1	1	1	1	1	1	1	1	0	0
ENGINEERS (FROM ASSIST. ENGR. TO PRIN.	144	28	93	3	3	11	4	4	4	5	7	3	2	3	2	
OTHER PROFESSIONAL STAFF	57	30	36	2	2	3	1	3	2	3	1	2	0	0	0	
ADMIN'TIVE AND OTHER MANAGERIAL STAF	212	269	117	7	9	14	10	6	13	7	7	6	7	8	1	
TECHNICIAN ENGINEER STAFF	133	42	68	6	5	3	6	4	5	7	6	6	7	4	6	
TECHNICAL AND SUPERVISORY STAFF (I)	69	260	13	4	4	8	6	7	6	6	7	2	1	3	2	
WORKS SUPERINTENDENTS	25	-25	10	0	2	6	2	0	1	1	1	0	0	1	1	
SENIOR STAFF	672	603	359	23	26	45	32	23	33	29	32	19	20	19	12	
TECHNICAL AND SUPERVISORY STAFF (II)	85	-85	19	4	6	5	9	8	7	10	7	3	5	2	0	
FOREMEN	3	-3	2	0	0	0	0	0	0	0	1	0	0	0	0	
ROAD OVERSEERS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CLERICAL STAFF	113	106	33	3	7	16	10	8	12	8	8	4	3	1	0	
SKILLED WORKERS	268	215	69	8	8	15	13	17	30	14	16	11	8	39	20	
SEMI-SKILLED	339	213	103	11	18	33	29	14	24	23	25	15	18	16	10	
TRAINEES / APPRENTICES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
JUNIOR STAFF	808	446	226	26	39	69	61	47	73	55	57	33	34	58	30	
GRAND TOTAL	1480	1049	585	49	65	114	93	70	106	84	89	52	54	77	42	
TECH. & SUPERVISORY STAFF (I) = (SNR.TEC.OFFR. TO CHF.TEC.OFFR.)																
TECH. & SUPERVISORY STAFF (II) = (TEC.OFFR GDII & TEC.OFFR GDI)																

Source: GHA Human Resource Division, June 2016

Table 8: Age Group Distribution – Whole of GHA 30th June 2016

AGE GROUP DISTRIBUTION OF ALL GHA STAFF JUNE-2016							
	55 AND ABOVE	50-54	45-49	40-44	35-39	34 AND BELOW	TOTAL
OCCUPATION CATEGORY							
ADM./ OTHER MANAGERIAL STAFF	91	41	14	10	23	33	212
CLERICAL STAFF	52	14	1	1	5	40	113
ENGINEERS	29	29	19	8	21	70	176
FOREMAN/CHARGEMAN	1	1	0	0	1	0	3
OTHER PROFESSIONAL STAFF	9	11	11	3	9	14	57
SEMI-SKILLED STAFF	102	67	23	31	52	64	339
SKILLED WORKERS	100	67	16	25	26	34	268
SUPERINTENDENT	12	12	1	0	0	0	25
TECH.& SUPERVISORY STAFF (I)	18	25	5	2	13	6	69
TECH.& SUPERVISORY STAFF (II)	0	0	1	4	11	69	85
TECHNICIAN ENGINEER STAFF	34	28	14	2	21	34	133
	448	295	105	86	182	364	1480

Source: GHA Human Resource Division, June 2016

2.2.2 Recruitment of Key Staff to Replace Exited Key Staff

No recruitment occurred during the quarter under review.

2.2.3 Labour Turn Over

A total of twenty four members of staff exited the Authority which included compulsory retirements, deaths, resignations and dismissals. Details of staff exits are shown in the table 9 below.

Table 9: Labour Turn Over

EXITS	SENIOR STAFF	JUNIOR STAFF	TOTAL
Retirement	15	6	21
Resignation	0	0	0
Deaths	0	2	2
Dismissals	1	0	1
Vacation of Post	0	0	0
Total	16	8	24

Source: GHA Human Resource Division, June 2016

2.3 Internal Audit Division

The Division made available to management various reviews, recommendations and undertook a series of control activities during the second quarter of 2016. The table 10 below shows details of some of the key activities undertaken by the Division in period under review and their status.

Table 10: Details of Some Audit Activities Carried in 2nd Quarter 2016

No.	ACTIVITY DESCRIPTION	STATUS
1.	Human Resource Audit	On-going
2.	Pre – Audit of Mutual Saving & Credit Fund	On-going
3.	Pre- Audit ;Promotion, interdiction , and compulsory retirement inputs at the Head Office	On-going
4.	Pre- Audit ; Transport Sector Project and Abidjan Lagos & Transport Facilitation Projects	On-going
5.	Special Tolls audit assignment at Brong Ahafo Region	Report yet to be submitted
6.	Review of CAA December, 2014 and 2015's Trial Balance	On-going
7.	Review of Synoptic Control Journal, 2016 (2016)	On-going
8.	Review of Rehabilitation of Ayamfuri-New Obuasi-Asawinso Road [KM 0-26] Lot 1 [IPC 20]	Completed
9.	Review of Rehabilitation of Agona Junction – Elubo Road (KM 60 - 90) Lot 3 (IPC 13,14 & 15)	Completed
10.	Audit of compensation payments	On-going
11.	Review of Rehabilitation of Ayamfuri – New Obuase – Asawinso Road (Km 0 -26) Lot 1 (IPC 14,15,17,18,19)	Completed
12.	Review of Rehabilitation of Anyinam – Konongo – Nkawkaw – Atibie (9.0km) IPC 8 & 9	Completed
13.	Review of Rehabilitation of Agona Junction – Elubo Road (KM 0 -30) Lot 1 (IPC 11,12 & 13)	Completed
14.	Review of construction of TwifoPraso- Bogoso road	On-going
15.	Review of Rehabilitation of Takwa- Bogoso- Ayamfuri Road [Ayamfuri section Lot 1]	Ongoing
16.	Review of monthly Expenditure Returns - November,2015 Kumasi	Completed
17.	Review of monthly Expenditure Returns - Feb, April, 2016 (Wa)	Completed
18.	Review of monthly Expenditure Returns- December, 2015 and June, 2016 (Bolgatanga)	Completed
19.	Review of monthly Expenditure Returns- April & June, 2016	Completed

Source: GHA Internal Audit Division, June 2016

2.4 Legal Services Division

These civil cases received attention in Court during the year under review. Their status are set out in Table 11 below:

Table 11: Court Cases involving the Authority

	TITLE	COURT	SUBJECT	REMARKS
1	Otinshie Land Case Nuumo Adjei Kwankwo Vrs GHA ORS	High Court, Accra	Trespass	Pending
2	Gotourism Vrs GHA	High Court, Accra	Trespass	Pending
3	Wisdom Awuku & Boadi Acheampong VRS GHA	Fast Track High Court, Accra	Alleged wrongful dismissal	Appeal to the Supreme Court by the Plaintiffs is still pending.
4	Togbe Lugu Awadali Vrs GHA	High Court – Ho	Compensation	Still Pending
5	William Sarpong Vrs GHA	High Court, Kumasi	Compensation	Still Pending
6	James Manu Vrs GHA	High Court, Kumasi	Compensation	Still Pending
7	JoeMersa Co. Ltd. Vrs GHA	High Court, Commercial Division, Sunyani	Damages for wrongful termination of contract	Still Pending
8	Carl Josiah Reindorf & Others Vrs 1. Attorney General 2. GHA	High Court, Accra	Compensation	Still Pending
9	Long Life Confectionery Vrs. Ltd 1. Attorney General 2. GHA 3. China Railway Corp.	High Court, Accra	Compensation	Still Pending
10	Rapheal Cubagee Vrs GHA	District Court Sunyani	Demand for Withholding Tax Deducted	Judgement in favour of GHA
11	Rapheal Cubagee Vrs GHA & Others	High Court Sunyani	Demand fo Withholding Tax Deducted	Pending
12	Esther Boye Boateng Vrs 1. Joyce Ashong 2. GHA	High Court Koforidua	Compensation	Pending
13	Zenith Bank Ltd. Vrs 1. K.D.V Lexicon Ltd. 2. GHA	High Court Commercial Div. Accra	Demand for money allegedly wrongfully paid to the 1st Defendant by the Authority	Pending
14	Nicholas Mamphi Nyantey & Lydia Oppong Vrs. 1. Armah Ashitey 2. GHA	High Court Koforidua	This is an accident case and the Plaintiffs who were affected persons sued the Authority and its driver	The case is still pending. However amicable settlement out of court has been achieved. Plaintiff to be compensated and the terms of
15	Kwesi Attah Vrs 1.Kingsley Kwakye 2. Sowah Adjetejy 3. GHA	High Court Koforidua	This is an accident case and the Plaintiff who was an affected person sued the Authority and its driver among others.	The case is still pending. However amicable settlement out of court has been achieved. Plaintiff to be compensated and the terms of
16	1. Mrs. Florence N. Agyeman 2.Mr. Charles Agyeman Vrs 1.ECG 2.AARSELF Gh. JV 3.Dopel Engr Ltd. 4.GHA	High Court Kumasi	Plaintiff first sued the first 3 Defendants and later joined the Authority for Court to compel Defendants rebuild or pay current value of their house and replace family belongings and jewellery that got burnt by fire during the relocation of E.C.G. lines along the Kumasi	The case is pending
17	Frederick Nyarko Vrs, GHA	Fast Track High Court, Accra	Plaintiff sued the Authority for payment of compensation money due him for property demolished. The Authority is holding on to the compensation money until Plaintiff has sorted out one Grace Narkie who was entitled to a share of another compensation money mistakenly paid to Plaintiff	The case is pending
18	Weightron International Ltd. Vrs GHA & Others	Fast Track High Court, Accra	Plaintiff sued the Authority to recover money for weighbridge Equipment supplied, installed and serviced by Plaintiff. Principal sum paid to Plaintiff leaving interest payment to be negotiated	The case is pending. GHA to file witness statement and Pre-trial Checklist by 4 th May, 2016
19	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.	The case is pending
20	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.	Judgement has been given against the Authority. The Authority has since Appealed

21	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 LVB of the Lands Commission .	The case is pending
22	Douglas Carl Botwea Vrs GHA	High Court Commercial Kumasi	claiming payment of compensation due him for the destruction of his 2No. properties during the construction of the Kumasi – Konongo Road.	Regional LVD Director to submit to court a report on the valuation of Plaintiff's property
23	Greatest Moment Ventures & Others Vrs GHA & Others	High Court, Accra	Plaintiffs claim that construction of the West Hill Mall at Dunkonaa has affected their business operations therefore sued for damages for loss of business.	The case is still pending
24	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.	The case was still pending, but measures were being put in place to address the concerns.
25	Salifu Abdulai and Others Vrs GHA	High Court, Fast Track Division Accra	It would be recalled that this was an accident case which happened at the Nsawam By-Pass when it was still under construction. A driver and his assistant driver died when their articulated vehicle hit a road block on the By-Pass and somersaulted. The Plaintiffs who include the owner of the articulated vehicle and relatives of the deceased drivers sued for the value of the articulated vehicle and compensation for the deceased drivers.	Judgement has been given against the Authority. The Authority has since Appealed
26	Madam Dora Kai Anang Vrs GHA Dept. of Urban Roads Accra	High Court Accra	It would be recalled that this case related to compensation claim for property affected by "road constructed around Teshie-Tebibianor".	The case was in progress during the period.
27	Green Agricultural Farms Ltd Vrs Frimps Oil Co. Ltd.,GHA	High Court, Land Division Accra	It would be recalled that this case related to land situate at Mile 8 on the Accra Winneba Road. The Plaintiff claim that a public bus terminal located very near to the entrance of 1 st Defendant filling station was being relocated by the Defendants on Plaintiff's land without the Plaintiff consent.	The case had become dormant.
28	Edward Kobblah Penu Vrs Millennium Development Authority, GHA	High Court Human Rights Division, Accra	It would be recalled that this case related to the Tetteh Quarshie Mallam Highway. It is a claim for compensation for properties affected by the project. The Plaintiff has furnished a copy of his Property's Valuation Report to the Authority and the Land Valuation for vetting and approval to enable the matter to be settled amicably out of court.	The case has been adjourned to Thursday 28th July, 2016.
29	1. Max Glover Vrs Glo & Gh Ltd.	High Court, Denu	The Authority gave authorization to Glo Ghana Limited to lay Fibre Optic Cables within the Right of Way of the Ho – Denu Highway. The Plaintiff claimed that the cables so laid had passed through his private land hence the suit. At the instance of the Court parties went on to the land in dispute and measurements taken to determine the extent of encroachments. The report of the exercise showed that there was no encroachment at all and only some food crops belonging to the Plaintiff were destroyed in the process of laying the cables. These were valued and the appropriate compensations duly paid to settle the matter	The case was still pending. However efforts were being made to settle it amicably out of court.
30	Top Oil Vrs 1. Alhaji Yussif & GH	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

31	Nana Kofi Arkessi II & 131 others Vrs GHA Attorney Generals Dept. Jynes Const. Co.	High Court, Sekondi Takoradi	Plaintiffs sued for an injunction to restrain Defendants in relation to the development of the Agona Junction-Elubo Road Project Lot I in the Ahanta West and Axim East in the Western Region unless they were duly	The case is pending
32	Total Filling Station Vrs. GHA	High Court, Ho	The Plaintiff sued the Authority for the payment of an amount of GH¢11,183.63 for the supply of petroleum products to the Authority's MMU II at Suhum between the periods of 16/ 20/ 2012 to 16/ 2/ 2013.	The amount involved was dully paid to the Plaintiff by the Authority to bring the matter to an end.
33	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 amount involved was dully paid to the Plaintiff by the Authority to bring the matter to an end.
34	Onua Francos Co. Ltd Vrs GHA	High Court (Commercial Division)	Plaintiff sued the Authority to recover the sum of GH¢19,632.70 due it for work executed for GHA.	The Plaintiff was dully paid to bring the matter to an end.
35	1. John Benyawoh, Samuel Kwodwo Idan Vrs GHA, Attorney General China Hena Company	High Court, Takoradi	Plaintiffs sued for an injunction to restrain Defendants in relation to the development of the Agona Junction-Elubo Road Project Lot II in the Ahanta West and Axim East in the Western Region unless they were duly	The case was pending.
36	Nyagsi Engineers Ltd. Vrs GHA	High Court, Commercial Division – Accra	Plaintiff sued the Authority for breach of contract.	The case was pending but efforts were being made for an amicable resolution of the matter.
37	Aduana Dawuramong 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.	The case was pending.
38	Ben Sevor Vrs GHA & Others	High Court, Accra	Plaintiff sued the Authority for a declaration that all the Defendants were endangering the human lives including Plaintiff's for not attending to potholes created on the Accra – Ho trunk road at Mampong Shai Street junction.	The case is pending.
39	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.	The case is pending.
40	Mrs. Cecilia Buah Blankson Vrs. 1. GHA 2. Managing Director (Mawums Co. Ltd.)	High Cour, 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.	The case is ongoing.

Source: GHA Legal Division June 2016

2.5 Management Information Systems Division

2.5.1 In-house Activities

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

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

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

2.5.2 Toll operations

The Company that is constructing the Kasoa Interchange needed to cart some components that are extraordinarily wide to the site, therefore a notice of demolition of booth 1 at Ngleshie Amanfrom toll Plaza was written to CASDEL Ventures – the private operator of Ngleshie Amanfrom-. In light of this the Ghana Highway Authority contracted a Company to replace the electronic ticket system with a Point of Sale (POS) machine which will enable CASDEL Ventures monitor the sales and the total amount that will be collected by each operator during each shift.

2.5.3 Provision of Local Area Network for Ashanti, Brong Ahafo, Northern & Upper East Regions under WATTFP

With the completion of the installation of Local Area Networks (LAN) under the WATTFP programme in the above mentioned regions, Head Office continues to support the regions. The Northern and Brong Ahafo regions have employed IT staff who are managing the LAN for them, Plans are far ahead to also employ same for the Upper East and Ashanti regions.

2.5.4 E-WORKSPACE Project by NITA

The e-Government Phase II Applications Project also Known as “e-Workspace Project” forms part of a scale-up on the existing infrastructure delivered under the first phase of the e-Government Project. NITA is the implementing arm of the Ministry of Communications (MOC) for the projects which is expected to be deployed to 102 Government Organization's 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 a steering Committee meeting in June 2016 at NITA's Conference Room where activities and challenges faced by the various MDA's in the implementations of the e-workspace projects were discussed.

In June 2016, NITA invited GHA to its 1st NITA – MDA'S Business Forum which took place at Kofi Annan ICT Centre of Excellence, at Ridge in Accra.

The Business Forum was organized in order to brief MDA's on the Network/Internet challenges, the new billing system and NITA's new applications & services and also ensure that NITA provides quality service to paying MDA's.

2.6 Public Affairs Division

Immigration Assistance

The Division assisted four (4) expatriate workers and their families engaged on G.H.A. projects to acquire Residence and Work permits.

Advertisement / Announcement

Four adverts were carried out as follows;

- ✚ Emergency Closure of Kulungugu Bridge.
- ✚ Closure of Peduase Lodge – Ayi Mensah lane.
- ✚ Supply of Vehicles.
- ✚ New Sawla and Damango Axle Load weighing Stations Start Operations.

2.7 Training & Development Division

A summary of the training and the development programme for the year 2016 is presented in Table 12. The details of various programs that were organised during the quarter is also shown in Table 13.

Table 12: Training & Development Programme for the Year 2016

CATEGORY	ACTIVITY	LOCATION	NO. OF STAFF	NO. TRAINED	NO. TRAINED	NO. TRAINED	NO. TRAINED
			TO BE TRAINED IN THE YEAR	IN 1ST QUARTER	IN 2ND QUARTER	IN 3RD QUARTER	IN 4TH QUARTER
MGT. LEVEL	Seminar/Conference/ Workshop	Foreign	2	0	0		
	Fellowship	Foreign	0	0	0		
	Seminar/Conference/ Workshop/ (In-house)	Local	40	14	8		
	Local Institution	Local	20		0		
MIDDLE LEVEL	Seminar/Conference/ Workshop	Foreign	3	0	0		
	Higher Level Training	Foreign	0	0	0		
	Fellowship	Foreign	0	0	0		
	Seminar/Conference/ Workshop (In-house)	Local	266	20	26		
	Higher Level Training (MSc/MBA)	Local	7	4	4		
	HND/BSc. Programme	Local	4	2	2		
	Local Institution	Local	89	0	0		
JUNIOR STAFF	HND/BSc. Programmes	Local	4	0	0		
	Seminar/Wkshop/ In-house	Local	80	0	0		
	TOTAL		515	40	40		

Source: GHA Training & Development Division June 2016

Table 13: Training & Development Program organized in the 2nd Quarter of 2016

NO	LOCATION	COURSE TITLE	NO. OF PARTICIPANTS	LEVEL	COUNTRY/ VENUE
1	LOCAL	Training Programme on International Commercial Arbitration under the Auspices of the ICC International Court of Arbitration	3	Mgt.	World Trade Centre, Accra
2	LOCAL	3-Day Non Residential Workshop on Public Private Partnerships	5	Mgt.	Engineers Centre
3	LOCAL	Training Programme for Project Supervisors	23	Middle	MIS Training Room
4	LOCAL	Workshop on Structural Engineering Software	2	Middle	Engineers Centre
5	LOCAL	Training in the Practical use 1999 FIDIC Conditions of Contract and Management of Claims and Resolution of Disputes	1	Middle	Engineers Centre

Source: GHA Training & Development Division June 2016

CHAPTER THREE

3.0 MAINTENANCE DEPARTMENT

3.1 Road Maintenance Division

3.1.1 Maintenance Projects

3.1.1.1 Routine Maintenance

A total of 22,642.52km out of an approved annual programme of 28,125km were achieved for Grass Cutting, Ditch Cleaning, Grading and Pothole Patching.

Also 18,647 out of 23,162 Culverts were cleaned /desilted as at 30th June, 2016. This represents 80.51% achievement at a cost of GH¢ 54.59 million of all routine maintenance activities.

3.1.1.2 Periodic Maintenance & Minor Rehabilitation

A total of 38.15km length of road was approved for periodic maintenance and minor rehabilitation works. The break down is 20.38km at a cost of GH¢5.90million and 17.77km at a cost of GH¢1.30 million respectively.

3.1.1.3 GOG (Road Fund & Consolidated Fund & Cocobod) Projects

On-going Projects

Currently there are Three Hundred and Thirty-Seven (337) on-going maintenance projects. The breakdown into various activities is as below in table 14:

Table 14: On-going Maintenance Projects

NO.	ACTIVITY	NO. OF PROJECTS/SOURCES OF FUNDING			LENGTH (KM)
		CONSOLIDATED FUND	ROAD FUND	COCOBOD	
1	REGRAVELLING /SPOT IMPROVEMENT		12		169.50
2	RESEALING	2	1		82.60
3	CONSTRUCTION			1	26.90
4	RECONSTRUCTION	1		5	154.10
5	PARTIAL RECONSTRUCTION	13		22	543.54
6	PARTIAL RECONSTRUCTION/ ASPHALT OVERLAY	1			20.70
7	TOWN ROADS	2	4		15.00
8	REHABILITATION (UNPAVED)	1			47.00
9	REHABILITATION (PAVED)	5		2	172.50
10	UPGRADING	40	5	28	1,364.70
11	BRIDGE/DRAINAGE STRUCTURES		191	1	
	TOTAL	65	213	59	2,596.54
			337		

Source: GHA Road Maintenance Division June 2016

3.1.1.4 Completed Projects

No project was completed within the quarter under review.

3.1.1.5 New Projects

Twenty (20) Projects under the Enhanced Road Fund Priority Projects Phase I were awarded in the quarter. Details are shown on Table 15 below.

Evaluation of Tenders have been completed for Sixteen (16) Projects and are awaiting award by the Ghana Highway Authority Tender Committee under the 2nd Phase of the Enhanced Road Fund Priority Projects within the 2nd quarter of the year. Details are shown on Table 15 below.

Table 15: Enhanced Road Fund Priority Projects Phase I

NO.	PROJECT	RECOMMENDED BIDDER	RECOMMENDED AWARD AMOUNT (GHc)	STATUS
CONSTRUCTION				
1	Tumu-Han-Lawra Road (60km)	Greenhouse Int. Dev't (Gh.) Ltd.	174,000,000.00	Letter of Acceptance issued.
2	Wa-Walewale Road (57km)	Mawums Ltd.	165,300,000.00	Letter of Acceptance issued.
			339,300,000.00	
RECONSTRUCTION				
3	Nkwanta-Oti Damanko Road (km 50.3-62.3)	First Sky Ltd.	72,483,000.00	Letter of Acceptance issued.
4	Ketekrachi-Kpandai-Nakpayili Road (km 51-58) & Kpandai Town Roads (3km)	First Sky Ltd.	116,000,000.00	Letter of Acceptance issued.
5	Nkwanta-Dambai Road (50km)	Jungheung (Gh.) Dev't & Const. Co. Ltd.	148,534,000.00	Letter of Acceptance issued.
			337,017,000.00	
PARTIAL RECONSTRUCTION				
6	Navrongo-Chuchuliga-Tumu Road (34.23km)	Myturn Ltd.	51,345,000.00	Letter of Acceptance issued.
7	Kpando-Worawora Road (26km)	Jah Nicorf Ltd.	38,907,000.00	Letter of Acceptance issued.
8	Dodowa-Afienya Road (23km)	Hardwick Ltd.	34,400,000.00	Letter of Acceptance issued.
			124,652,000.00	
REHABILITATION				
9	Daboya-Mankarigu-Wiase Road (km 0-30)	Limerica Gh. Ltd.	32,876,000.00	Letter of Acceptance issued.
10	Daboya-Mankarigu-Wiase Road (km 30-60)	Tass Kalia Ent. Ltd.	33,445,000.00	Letter of Acceptance issued.
11	Walembelle-Santijan Road (36km)	Mallam Issa Isaahaku Co. Ltd.	36,821,000.00	Letter of Acceptance issued.
12	Karaga-Gushiegu Road (24km)	Maripoma Ent. Ltd.	79,919,000.00	Letter of Acceptance issued.
13	Ofankor-Nsawam Dual Carriage Road (33.4km)	Maripoma Ent. Ltd.	98,099,000.00	Letter of Acceptance issued.
14	Apedwa-Bunso Road (23km)	Core Construction Ltd.	57,219,000.00	Letter of Acceptance issued.
			338,379,000.00	
UPGRADING				
15	Chuchuliga-Sandema-Wiase Road (40km)	Myturn Ltd.	92,000,000.00	Letter of Acceptance issued.
16	Prang-Kintampo (km 36-66)	Amoh Prempeh Co. Ltd.	69,000,000.00	Letter of Acceptance issued.
17	Sakpiegu-Chereponi Road (50km)	Greenhouse Int. Dev't (Gh.) Ltd.	115,000,000.00	Letter of Acceptance issued.
18	Sakpiegu-Chereponi Road (50km)	Kasmida Ventures Ltd.	115,000,000.00	Letter of Acceptance issued.
19	Juapong-Adidome Road (54.5km)	Joshob Construction Ltd.	130,800,000.00	Letter of Acceptance issued.
			521,800,000.00	
UPGRADING/REHABILITATION				
20	Dorimon-Black Volta Road (22km)	GKL Ghana Ltd.	43,500,000.00	Letter of Acceptance issued.
			43,500,000.00	

Source: GHA Road Maintenance Division June 2016

Table 16: the 2nd Phase of the Enhanced Road Fund Priority Projects

NO.	PROJECT	STATUS
CONSTRUCTION		
1	Nadowli-Lawra-Hamile Road (28.1km)	Tenders underway
2	Wa-Han Road (22km)	Tenders underway
3	Hamile-Tumu Road (40km)	Evaluation of Tenders completed
4	Kpandai-Salaga Road (56km)	Evaluation of Tenders completed
RECONSTRUCTION		
5	Ketekrachi-Kpandai-Nakpayili Road (km 88-123) & Wulensi Town Roads (3km)	Evaluation of Tenders completed
SECTIONAL/PARTIAL RECONSTRUCTION		
6	Kpeve-Bame-Anyirawase Road (17.5km)	Evaluation of Tenders completed
SECTIONAL REPAIRS/ ASPHALT OVERLAY		
7	Abuakwa-Tepa Junction Road (20km)	Evaluation of Tenders completed
CONSTRUCTION/ REHABILITATION		
8	Selected Enclave Roads within Greater Accra Region (11.95km)	Evaluation of Tenders completed
REHABILITATION		
9	Walembelle-Santijan Road (km 36-54)	Evaluation of Tenders completed
10	Sandema-Doninga-Santijan Road (15km)	Evaluation of Tenders completed
11	Sandema-Doninga-Santijan Road (15.5km)	Evaluation of Tenders completed
UPGRADING		
12	Tumu-Walembelle Road (36km)	Evaluation of Tenders completed
13	Adjeikojo-Ashaley Botwe Road (10.5km)	Evaluation of Tenders completed
14	Saboba-Wapuli Road (21.6km)	Evaluation of Tenders completed
15	Golokwati-Wli Road (17km)	Evaluation of Tenders completed
UPGRADING/ RESEALING		
16	Kumbungu-Nawuni Road (17.1km)	Evaluation of Tenders completed

Source: GHA Road Maintenance Division June 2016

3.1.2 2016 Road Condition Survey

Data Collection

The 2016 Road Condition Survey data collection was completed in the quarter under review. However, Roughness Measurement will commence in the next quarter before the analysis of the data and preparation of Road Condition Report can commence.

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

MMUI

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

MMUII

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

BMU

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

The cumulative work achievements up to the end of 2nd Quarter for routine and periodic maintenance works and GHA Units are shown on tables 17 and 18 below. Figure 2 also gives the pictorial cumulative achievements in both routine and periodic maintenance activities.

Table 17: Details of Works by MMUI MMUII & BMU –as at 30th June 2016

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	Essuehyia-Otuam Road Phase II	Rehabilitation	6.3	2.300	1.700	92.00	Sealing works on-going
BMU	Yensiso Bridge	Repair Works	-	0.017	-	60.00	Damaged parapet wall replaced with steel railings. Sealing of crack in abutment stem on hold due to water level.
	Bridge at Nkumkum	Replacement of Deck	-	0.097	-	45.00	Extension of abutment complete.
	Bridge over R. Mogla at Nakpali	Construction of abutments and piers.	-	0.680	-	40.00	The base for the two abutments and two of the piers have been cast. The stem of one of the pier has been cast 2m above the base. Excavation for the last piers footing is not yet done due to high water level.

Source: GHA Road Maintenance Division June 2016

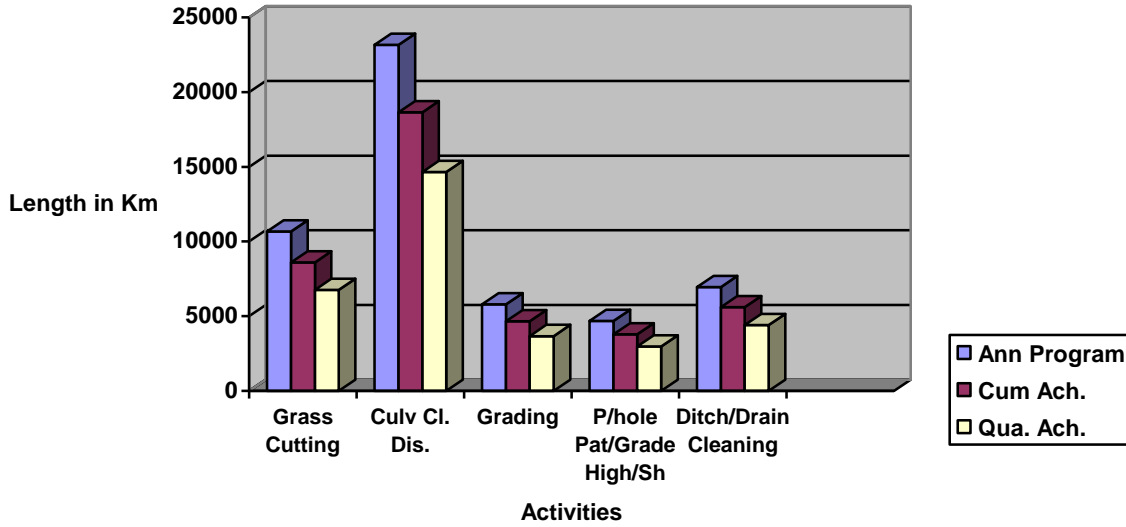
Table 18: Achievements in Routine & Periodic Mtce. Projects –as at 30th June 2016

ACTIVITY	2016 PLANNED PROGRAMME		2016 APPROVED PROGRAMME		1ST QUARTER ACHIEVEMENT	2ND QUARTER ACHIEVEMENT	3RD QUARTER ACHIEVEMENT	4TH QUARTER ACHIEVEMENT	CUMM. ACHIEVEMENT	ACHIEVEMENT (%)
	UNITS		UNITS							
ROUTINE MTCE										
Culvert Cleaning & Desilting	No.	23,162.00	No.	23,162.00	3,997.71	14,649.39			18,647.10	63.25
Ditch/Drain Cleaning	Km	6,960.00	Km	6,960.00	1,201.28	4,402.03			5,603.31	63.25
Pothole Patching & Grade High Shoulders	Km	4,692.80	Km	4,692.80	809.97	2,968.08			3,778.05	63.25
Grass Cutting	Km	10,674.00	Km	10,674.00	1,842.31	6,751.04				
Grading	Km	5,798.00	Km	5,798.00	1,000.72	3,667.09			4,667.81	63.25
PERIODIC MTCE										
Regravelling/Spot Improvement	Km	16.40	Km	16.40	2.88	5.76			8.64	35.14
Resealing	Km	3.50	Km	3.50		-			-	-
Partial Reconstruction (Reshaping)	Km	15.46	Km	15.46		8.15			8.15	52.74
Overlay	Km	0.48	Km	0.48		-			-	-
Drainage Structures & Bridges	GH¢'M	0.362	GH¢'M	0.362	0.37	1.919			2.289	530.11
REHABILITATION										
Upgrading	Km	1.81	Km	1.81	0.99	2.70			3.69	149.17
Rehab. of Town Roads	Km	0.50	Km	0.50	0.27	0.97			1.24	194.38

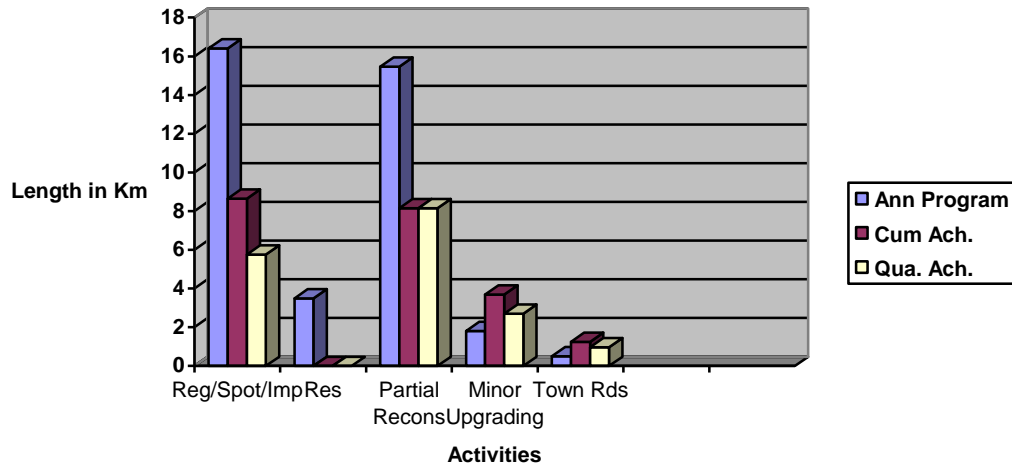
Source: GHA Road Maintenance Division June 2016

Figure 2: Graphical Presentation of Achievements in Maintenance Activities

**Achievements in Routine Maintenance Activities
as at the End of 2nd Quarter 2016**



**Achievements in Periodic Maintenance Activities as at the end of the
2nd Quarter 2016**



Legend

Reg: Regravelling	Tn.Rds: Town Roads
Res: Resealing	Culv. Cl. Dis: Culvert Cleaning & Desilting
Spot Imp: Spot Improvement	

Source: GHA Road Maintenance Division June 2016

3.2 Plant & Equipment Division

3.2.1 Operations

The availability of supervisory vehicles and other pieces of plant and equipment in Head Office, Regions and the Units was very high. This is due to the diligence of the Mechanical Staff at the various workshops. This could further be enhanced if funds were made available for the purchase of spare parts. Regions no longer operate earth moving equipment and thus the availability of such equipment is low. Nonetheless the availability of heavy equipment in the MMUs and BMU was high. During the quarter, 138 jobs were received and 120 jobs were completed at the Central Mechanical Workshop.

Central Mechanical Workshop

During the quarter, 190 jobs were received, 164 completed and 8 outstanding at the Central Mechanical Workshop.

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

Table 19: Details of Completed Jobs (GHA)

Month Section	April		May		June		Total	
	Recd	Comp.	Recd	Comp.	Recd.	Comp.	Recd.	Comp.
Light	16	15	21	18	17	15	54	48
Electrical	23	18	22	21	10	10	55	49
Engine	1	0	0	0	0	0	1	0
Ancillary	8	5	4	2	3	3	15	10
Heavy	1	1	3	3	3	3	7	7
Machine	3	3	1	1	2	2	6	6
							138	120

Source: GHA Plant & Equipment Division June 2016

Kumasi Zonal Workshop

3.2.2 Completed Jobs (Private Jobs):

During the quarter, the breakdown of the number of jobs received and completed at the workshop are as follows:

Job Type	No. Received	No. completed
Maintenance/Servicing	10	10
Repairs (Major & Minor)	10	10
Total	20	20

Head office

Revenue generated from private jobs undertaken during the quarter amounted to Eight Hundred and Eighty Ghana Cedis (**GHC880.00**) mainly from the heavy section.

3.2.3 Ferries**Ada Ferries****M/S Sogakope**

It makes trips between Ada- Foah to Amedeka and Ada – Foah to Anyanui. The ferry is very weak and constantly develops leakages on the hull and the schottels which demanded constant welding by the dedicated welders at the unit. We recommend a complete re - plating of the ferry.

M/S Okor

M/S Okor has been slipped out of water over several years awaiting repairs.

3.2.4 Stores & Supplies Section

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

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

3.2.4.1 Local Purchasing

The under-listed items were procured using the LPO System

Table 20: LPO Purchases 2nd Quarter 2016

L.P.O No.	Description	APRIL	MAY	JUNE
552797	Samsung Spilt AC 2.0 hp	3,200.00		
552789	stationeries	10,702.50		
551765	engine oil sAE 40	40,305.60		
552799	17 platye battery	650.00		
552782	stationeries	7,750.00		
0552792 TO 96	stationeries		232,226.00	
551801	stationeries		1,997.50	
551767	diesel		44,685.00	
5528800	stationerys		5,500.00	
551804	office furniture		3613.13	
551766	05068 -208 litres		2217.7	
552798	desktop computer complete		7,285.00	
0551807 TO 08	stationerys		5,348.00	
0551807TO 03	electronical items		7,845.48	
551810	A4 papers cadmex			24,000.00
551809	drum unio		3,522.60	1,586.25
O551755	Diesel Effimax		36,301.00	
O551756	Diesel Effimax		35,586.00	
O552769	Tyres		1,920.00	
			97,808.08	
O552770	Tyres			2,600.00
O551756	Diesel Effimax			35,964.00
O551757	Diesel Effimax			35,626.50
O552598	Money Counting Mach.			8,225.00
				82,415.50

Source: GHA Plant & Equipment Division June 2016

3.2.5 Axle Load Control Programme

All the Seventeen (17) stations were operational during the quarter under review. The operations at all the weighbridge stations are detailed in Table 21 below.

3.2.5.1 Mobile Vans

Five (5) out of the eight (8) Mobile Weighing Vans were functional during the quarter. These vans operated in the Ashanti, Upper East, Western and Greater Accra Regions. The remaining three vans were nonfunctional as a result of faulty vehicle and equipment parts.

3.2.5.2 High Speed Weigh In Motion (HSWIM)

Eleven (11) HSWIM systems have been installed at Tema, Dawa, Nsawam, Elmina, Bolgatanga, Agona Junction, Boankra, Akom, Ngleshie Amanfrom, Sawla and Damango. Seven (7) out of the eleven sites were functional. The remaining four sites requires replacement of the sensors which would be programmed for in our 2017 programme. It is recommended that the maintenance agreement with the suppliers which has just expired be renewed to ensure that reliable data is obtained from all the sites.

Table 21: Status of Permanent Weighbridge Stations

Town/City	Location	Strategy	Status	Remarks
1. Tema	Aflao-Elubo road (Coastal Corridor)	Corridor/cordon	Privatised	Operational.
2. Afienya	(Eastern Corridor)	Corridor/cordon	Privatised	Operational.
3. Asuoyeboah		Corridor/cordon	Privatised	Operational.
4. Yapei	Tema – Paga Road (Central Corridor)	Corridor	Privatised	Operational.
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.
8. Bogoso	(Western Corridor)	Corridor /Hotspot	Privatised	Operational.
9. Offinso	Tema – Paga Road (Central Corridor)	Corridor/cordon	Privatised	Operational.
10. Boankra	Tema – Paga Road (Central Corridor)	Corridor/cordon	-	Operational.
11. Akatsi	Aflao-Elubo road (Coastal Corridor)	Corridor	Privatised	Operational.
12. Mim		Hotspot	Privatised	Operational.
13. Sefwi Bekwai		Hotspot	Privatised	Operational.
14. Asokwa		Corridor	Privatised	Operational.
15. Jema	Tema – Paga Road (Central Corridor)	Corridor	Privatised	Operational.
16. Sawla	Fulfusu-Sawla	Corridor		Operational.
17. Damango	Wa-Sawla	Corridor		Operational.

Source: GHA Plant & Equipment Division June 2016

3.2.5.3 Axle Load Control at the Ports

The four (4) Axle Weighers at the terminals at Tema Ports and two (2) portable weighing pads located at one loading point and the transit yard were all operational during the reporting period. The two (2) Axle Weighers at the Takoradi Port were also operational. Additional Axle Weigher is required at the Golden Jubilee Terminal to control over loading of trucks loading from that terminal.

3.2.5.4 Installation of Axle Load Control Database System

A Database System has been installed at fourteen (14) operational stations and the Head office. The system is to be extended to Sawla, Damango and Asokwa, which are currently operational. The Database System facilitates the compilation of data at the axle load stations and reporting in general.

3.2.5.5 Portable Weighing Scales

Three (3) new portable weighing scales have been procured to replace the existing ones which were malfunctioning. One was deployed at Doboro on the Ofankor - Nsawam Road for 24-hour monitoring during the period under review whilst the remaining two are to be deployed at Juapong and Adidome to control overloading on the Asikuma - Ho and Sogakope - Adidome Roads respectively.

3.2.5.6 Statistics from the Axle Load Stations

Statistics from the Permanent Weighbridge Stations are provided in figures 3, 4, 5 and 6. The data analysis was based on gross weights of vehicles weighed at all the permanent weighbridge stations. The analysis showed a marginal decline from an average 2.60% in the first quarter of 2016 to an average 2.45% during the second quarter of 2016 This is depicted in Figure 3. The total number of vehicles weighed and the total number exceeding their permissible weights are provided in Figure 4.

Figure 5 depicts the monthly overloading trend from January to June 2016. The trend showed a marginal decline from 2.9 in March to 2.45 in June. The achievements are attributable to increased monitoring period from 12 hours to 24 hours although there were some challenges with the mobile weighing vans during the period under review.

The levels of overloading at the permanent weighbridge stations along the various corridors during the first and second quarters are illustrated in Figure 6. The trend showed that, although there was a decline as described in the earlier paragraphs in the second quarter, the percentage of overloaded trucks at some stations such as Sefwi Bekwai, Bogoso, Agona Nkwanta and Yapei went up slightly. The stations which recorded increase in the number of overloaded trucks were mostly in the Western Region. Therefore, monitoring in the region will be increased to ensure reduction in overloading

Figure 3: Quarterly Overloading Trend (Percentage Overload)

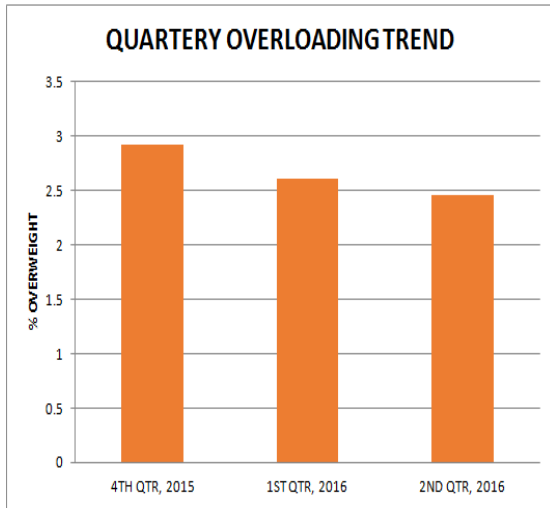
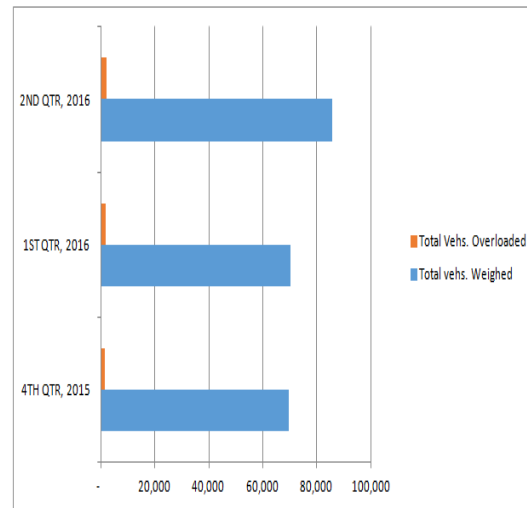
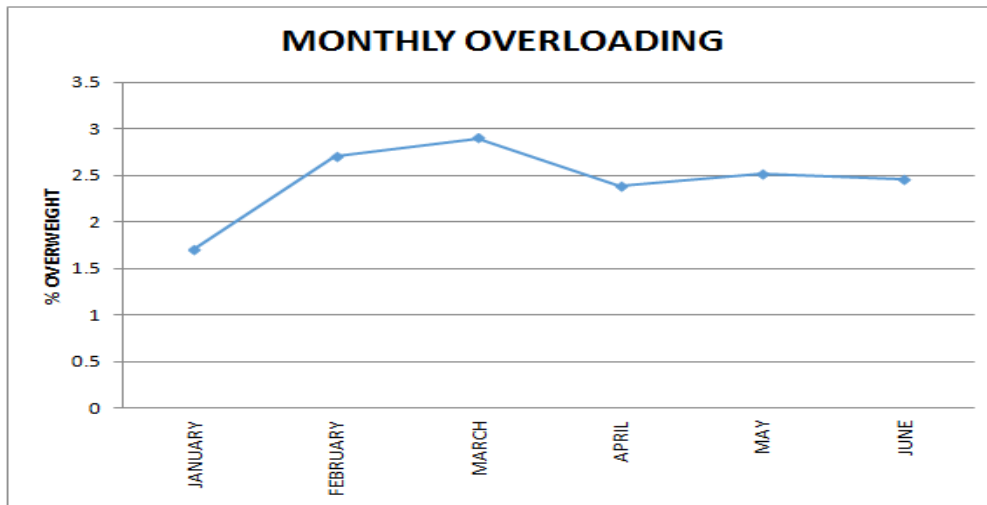


Figure 4: Quarterly Overloading Trend



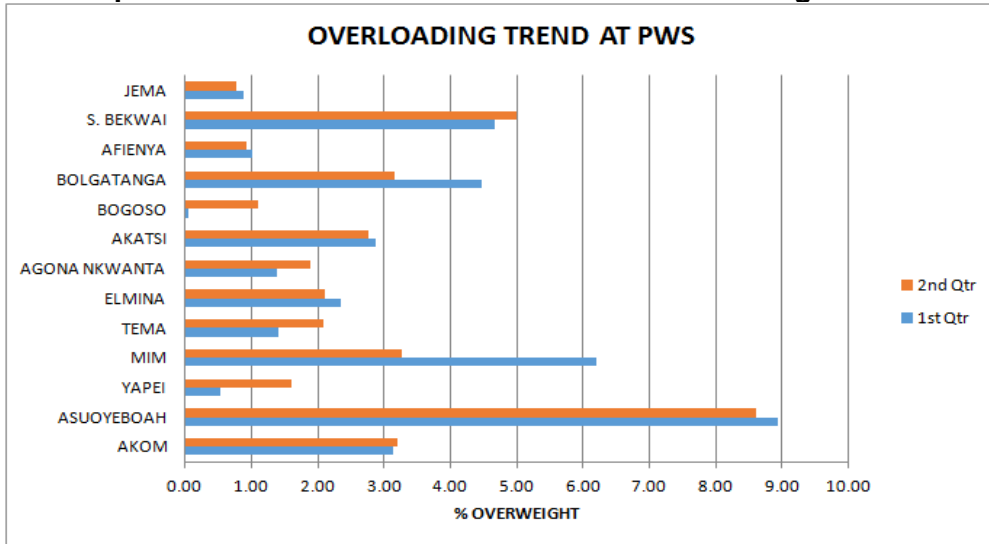
Source: GHA Plant & Equipment Division June 2016

Figure 5 : Monthly Overloading Trend - 2016



Source: GHA Plant & Equipment Division June 2016

Figure 6: Comparison of 1st Quarter and 2nd Quarter Overloading Trend at PWS



Source: GHA Plant & Equipment Division June 2016

CHAPTER FOUR

4.0 DEVELOPMENT DEPARTMENT

4.1 Bridges Division

4.1.1 On-Going Bridge Projects

- ❖ Construction of Austrian Bridges on Wa – Walewale road (5No. Bridges).
The project has been divided into five Lots:
 - Lot 1.** Construction of Steel Bridge over River Gyanwali at Kundugu on the Yala-Kundungu- Sombisi Road. 35m Span. Progress is 76.2%.
 - Lot 2.** Construction of Steel Bridge over River Kudage on the Sombisi – Tantali Road-35m Span. The overall percentage of work done on this lot is about 64%.
 - Lot 3.** Construction of Steel Bridge over River Gongonwu on the Tantali –Tuvuu Road-35m Span. The overall percentage of work done on this lot is 100%. Substantial completion was conducted in March 2014.
 - Lot 4.** Construction of Steel Bridge over River Gongonwu on the Tuvuu- Yikpabongo Road- 70m. The initial location of the bridge was inaccurate. Construction of the bridge has been relocated to Nalerigu on the Karaga – Gushiegu – Nalerigu road in the Northern Region. The project is yet to be awarded.
 - Lot 5.** Construction of Steel Bridge over River Kulpawn on the Luari-Jadima Road-140m.The overall percentage of work done on this lot is **24%**. Contractor has suspended works.
- ❖ Construction of Toll plaza, office block at Akim Sekyere on the Anyinam-Nkawkaw Road. Progress is 97%. Substantial Taking over Inspection was undertaken on 29th December, 2015. Project is in Defects Liability Period.
- ❖ Construction of Toll Plaza at Badukrom on the Cape Coast – Takoradi Road. Progress is 12%. The Contract has been terminated.
- ❖ Rehabilitation of Adomi Bridge.
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. Project is in Defects Liability Period
- ❖ Construction of six bridges in Northern Ghana funded by Danida. M/S Grontmij A/S in association with M/S HAG Consult. Tender documents have been completed and have

been submitted to GHA for review and comments. Approval for the loan is being sought from the Ministry of Finance.

- ❖ Construction of bridge over the Volta River at Volivo and Dafor Adidome. Detailed engineering studies and detailed structural design of the bridge have been completed by JICA. The study team has submitted the draft final report to GHA for review.
- ❖ 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. Works have stalled due to lack of funds.
- ❖ Construction of 4 No. Foot bridges on the Tetteh Quarshie – Madina road. Design of the footbridges has been completed. Drawing for the footbridges is 100% complete. GHA is awaiting concurrent approval.
- ❖ Construction of 2 No. underpasses on the George Bush Motorway – (N1). Review of design drawings is completed. Comments from the review of the drawing have been submitted to Contractors. Review of Bill of Quantities submitted by the Contractor has been completed.
- ❖ Construction of 6 No. Foot bridges on the Madina – Pantang road. Construction is currently on-going at the site. Works on the footbridges have stalled.
- ❖ Construction of bridge over River Pra at Twifo-Praso. Procurement of Contractor has been completed. The Contractor is in the process of signing the contract.
- ❖ Construction of bridge over the White Volta at Mishuo. Procurement of Contractor has been completed. The Contractor is in the process of signing the contract.
- ❖ Rehabilitation of the Dunkwa Bridge. Preparation of Tender document has been completed. Approval has been granted by the Ministry of Roads and Highways to advertise the works. Advertisement of the works has been undertaken. Tenders were opened on 5th April, 2016. Tenders have been evaluated and forwarded to the Central Tender Review Board for approval.
- ❖ Rehabilitation of the Nasia Bridge on Tamale – Bolgatanga road. Preparation of Tender document has been completed. Approval has been granted by the Ministry of Roads and Highways to advertise the works. Advertisement of the works has been undertaken. Tenders were opened on 5th April, 2016. Tenders have been evaluated and forwarded to the Central Tender Review Board for approval.
- ❖ Rehabilitation of the Pwalugu Bridge on the Tamale – Bolgatanga road. Preparation of Tender document has been completed. Approval has been granted by the Ministry of Roads and Highways to advertise the works. Advertisement of the works has been undertaken. Tenders were opened on 5th April, 2016. Tenders have been evaluated and forwarded to the Central Tender Review Board for approval.

- ❖ Reconstruction of the Iture Bridge over the Sweet River on the Cape Coast – Takoradi road. Inspection report has been submitted to the Ministry of Roads and Highways. BMU has completed the repair works on the bridge. Messrs Sonitra has submitted a Technical and a financial proposal. Evaluation of the Technical and Financial proposal is ongoing
- ❖ Rehabilitation of the Ankobra Bridge and the Lower Volta Bridge (Replacement of Expansion joints). Inspection of the bridges has been undertaken. Request for approval to sole source Aquatec Marine International for the under water investigation of the bridge foundations has been submitted to the Public Procurement Authority.
- ❖ Construction of bridge over River Bechelihi and River Navaribie on the Navrongo – Chuchuliga – Tumu Road. Design drawings have been completed and forwarded to Ministry of Roads and Highways for approval.
- ❖ Replacement of existing bridge over River Luwhe. Contractor has submitted design drawing to GHA for review. Comments from the review of the design drawings have been forwarded to the Contractor.
- ❖ Rehabilitation of the Lower Volta Bridge (Replacement of Expansion joints). Approval has been granted by the Public Procurement Authority to sole source Messrs Mageba for the replacement of the expansion joint. Quotation was received from Messrs Mageba in US dollars but has been asked to resubmit quotation in Ghana Cedis.
- ❖ Construction of a Motorway underpass on the Spintex road. PPA granted approval and evaluation has been carried out. The evaluation report has been submitted to the Ministry of Roads and Highways for approval.

4.1.2: Bridge Maintenance Units Activities

- ❖ Repair of Yensiso Bridge. Progress is 60%
- ❖ Repair of concrete bridge over the Korle Lagoon. Progress 100%
- ❖ Erection of Bailey bridge over River Mogla at Nakpali. Progress is 70%.
- ❖ Repair of Steel Truss Bridge over River Brim at Akim Oda. Progress is 60%

4.1.3: Bridge Management & Maintenance System (BMMS)

- ❖ The evaluation report for the selection of the consultant for the project has been approved by GHA Tender Committee and has been forwarded to the Ministry of Roads and Highways for concurrent approval.

4.2 Contracts Division

Budget for the year

The approved programme for the year covers the construction of 194.9Km of trunk roads at an estimated cost of Forty Six million and Sixty-Eight Thousand Six Hundred and Sixty-One Ghana Cedis (GH¢46,068,661.82). Table 22 below shows the achievements in various activities under the development projects.

Table 22: Annual Program & Achievements in Various Contracts Activities¹

ACTIVITY	ANNUAL PROGRAMME		APPROVED PROGRAMME		PHYSICAL ACHIEVEMENTS			%ACHIEVED
	KM	GHC'Millions	KM	GHC'Millions	KM	US \$	GHC'Millions	
CONSTRUCTION/ RECONSTRUCTION	255.29	515.95	97.50	130.85	4.55	0.00	11.44	20.14
REHABILITATION	67.13	195.04	77.20	153.77	18.54	0.00	0.00	13.45
DUALIZATION	10.92	143.64	20.20	57.96	0.00	0.82	3.66	0.00
BRIDGES		23.60	0.00	8.30	0	0	0.00	3.84
TOTAL	333.34	878.23	194.90	350.88	23.08	0.82	15.09	37.43

Source: GHA Contracts Divisions June 2016

Handing Over of Projects

The project below was handed over during the 2nd Quarter of the year:

No.	PROJECT	STATUS	SOURCE OF FUNDING
1	Agona Junction – Elubu (80 – 110km)	Substantial Taking over Inspection held on 13 th April, 2016	IDA

On-Going Projects

The status of ongoing development projects are shown in Appendix B. The Government of Ghana is supported in financing some of these projects by development partners such as BADEA, IDA, AfDB, KfW, EU, SAUDI Fund and ECOWAS Fund

¹ The Annual program in terms of kilometres for the year 2016 is the same as 2015 because no new Development Projects were awarded but the approved budget is where there is a change.

4.3 Materials Division

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

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

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

4.3.1 Soils and Aggregates Section

The section conducted the following activities:

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

4.3.2 Pavement Section

The section conducted the following activities:

- ✚ Performed deflection tests on the following roads:
- ✚ Selected Arterial Roads in Greater Accra Region
- ✚ Kumasi (Abuakwa) – Tapa Junction Road
- ✚ Pavement Evaluation of Adansi - Asokwa Road
- ✚ Nkumtonso town Road (by-pass) in the W/R

As reported in the previous quarter two experts from Dynatest, UK arrived in Ghana to undertake an overall assessment, replacement of worn out parts and calibration of the Falling Weight Deflectometer (FWD) Equipment

4.3.3 The Foundation Section

The section reviewed of progress reports from the following road projects

- ✚ Review of progress reports from road projects

- ✚ Installation and calibration of a new Geotechnical Data Acquisition Unit (GDU) in the laboratory.

4.3.4 Bituminous Products

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

- ✚ Review of progress reports from road projects
- ✚ Tests on bitumen samples and asphalt mixes submitted by Bitumen Marketers, Contractors and Consultants.
- ✚ Asphaltic Concrete mix designs checks for Apedwa – Bunsu Junction Road and core density tests on some portions of Urban Roads in Accra, Tema, Takoradi and Ho Town Roads

Table 23 below shows the details of various test that were carried out during the quarter

Table 23: Materials Test Results

Table 2 TREND OF INTERNALLY GENERATED FUND - 2nd QUARTER, 2016

SOURCE	MONTH			No. OF TESTS	AMOUNT IN Gh. CEDIS			TOTAL IN Gh CEDIS
	APRIL	MAY	JUNE		APRIL	MAY	JUNE	
Concrete test	714	501	569	1784	21,423.00	15,033.00	17,074.00	53,530.00
Shmidt Hammer	0	0	0	0	-	-	-	-
Pavement Investigations	1	0	1	2	18,000.00	-	20,280.00	38,280.00
Aggregate tests	9	7	6	22	3,571.00	2,506.00	2,235.00	8,312.00
Bitumen Tests	12	15	11	38	16,500.00	36,665.00	16,465.00	69,630.00
Soils tests	9	11	6	26	4,642.00	7,517.00	6,704.00	18,863.00
Equipment Calibration	0	1	1	2	1,200.00	1,200.00	-	2,400.00
Foundations & Geotechnical Inv.	0	0	0	0	-	-	-	-
GRAND TOTAL	745	535	594	1874	65,336.00	62,921.00	62,758.00	191,015.00

Source: GHA Material Division June 2016

4.4 Planning Division

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

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

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

4.4.1 Projects Objectives

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

These objectives are achieved through (i) Procurement of Consultants for specific engineering tasks and (ii) Co-ordination of activities with Development Partners. The major procurement activities undertaken included preparation of Terms of Reference, Request for Proposals, Evaluation of Proposals and preparation of Consultancy Contract Agreements. Statures of on-going Consultancy on on-going projects are as shown in Table 24 below

Table 24: Status of On-going Consultancy Services

Item	Contract Description	Contract/ Supplier/ Consultant	Contract Dollar Amount	Date Signed Mm/dd/yr	Contractual Start Date Mm/dd/yr	Contractual Completion Date Mm/dd/yr	Extended Completion Date Mm/dd/yr	Remarks
PROJECTS ON TSP								
1	Construction Supervision of Rehabilitation of Ayanfuri-Asawinso Road (Lots 1)	SAI Consulting Engineering Pvt.	20,694,135.81	1/10/2013	15/02/12	1/4/2015		Progress of works as at May 2016. Lot1 90% achieved as against 100%.
2	Construction Supervision of Rehabilitation of Ayanfuri-Asawinso Road (Lots 2)	SAI Consulting Engineering Pvt.	\$8.44 and GHS 29.325	1/11/2013	15/02/13	1/5/2015		Progress of works as at May 2016. Lot2 86.5% achieved as against 100%.
PROJECTS ON ALITFP								
3	Consultancy Services for the Supervision of Rehabilitation of Agona Junction-Elubo road. Lot1	K2 and Associate.Inc.	\$22168060.23 & \$15.215	15/08/2012	24/08/2012	08/01/2015*		The project is progressing. Progress of works as at May 2016. Lot1 99.5% achieved as against 100%.
4	Consultancy Services for the Supervision of Rehabilitation of Agona Junction-Elubo road.Lot2	K2 and Associate.Inc.	\$20.38 & GHS 29.925	15/08/2013		6/10/2015		The project is progressing. Progress of works as at May 2016. Lot2 94.0% achieved as against 100%.
5	Consultancy Services for the Supervision of Rehabilitation of Agona Junction-Elubo road.Lot3	K2 and Associate.Inc.	\$22.09 & GHS15.869	15/08/2014		6/11/2015		Laying of wearing course in progress
6	Construction of Anyaado Rest Stop	Bans Consult	323,809.25	15/03/13				The project is ongoing. As at the end of May 2016 the contractor has completed substructure. Which is about 30% of the work done.
PROJECTS ON AfDB								
7	Lot 1. Asutuare Junction -Asikuma Junction and Asutuare-Aveyime Junction Road	MCV Inc. USA	USD 546,174		8/9/2014			The Consultant has submitted their draft final report to GHA.
8	Fufulso-Sawla Road Project (Technical Assistant to Project Co-ordination Unit)	ICB						The Consultant has since been assisting the GHA Project Co-ordination Unit to manage all the AfDB funded road projects
9	Fufulso-Sawla Road Project (Project Impact Monitoring and Evaluation)	ICB						The consultant is yet to bring the draft final report to GHA.
10	Economic Feasibility and Detailed Engineering Design For The Reconstruction of Busunu-Daboya Road (53.5km)	Comptan/ Daovtech Design Group	USD 597,050	3/9/2014				The final report submitted by the Consultant has been forwarded to the African Development Bank(AfDB).
PROJECTS ON DANIDA								
11	Consultancy Services for Detailed Design of Takoradi-Agona Junction Road	Danida			28/11/12			GHA has reviewed the final detailed design report from Ablin Consult. Construction has not began because Danida has suspended the works or construction.
12	Rehabilitation of Benchema-Adwufia Road							An ORIO Team visited Ghana for discussion on the way forward. GHA has written to MOF through MRH to facilitate the process to sign the loan agreement and source for additional funds for the construction supervision services.
13	Consultancy Services for Design Development, Detailed Design, Tender Document Preparation, Tendering Assistance and Construction Supervision of New Bridges in Northern Ghana.	GHA	4,774,000.00					GHA is Procuring for the contractor that will undertake the construction.

EUROPEAN UNION PROJECT								
14	Tarkwa-Bogoso- Ayanfuri	Grontmij/Carl Bro	€ 60,467,000.00	27/01/11	24/06/11	23/06/14		The progress of works as at May 2016 was 94.2% against 97.8%.
BRAZILLIAN FUNDED PROJECT								
15	Lot 5. Oti Damango-Bimbilla-Yendi Road	MRH (PMU)	113.492		3/2/2014			Consultancy services is ongoing.As at the end of June 2016 the physical progress is 55.54% against 85.35%. Contractor is facing cash flow problems .
16	Lot 6. Yendi-Sakrogu-Nakpanduri Road	MRH (PMU)			3/3/2014			
PUBLIC PRIVATE PARTNERSHIP								
17	Accra -Tema Motorway Expansion	Messrs Roughton International						The Contract for the Transaction Advisory services is still pending for signature at MRH.
18	Accra -Kumasi Dualisation Project	Messrs PWC						The Consultant for the Transaction Advisory services has completed the Feasibility studies with recommendations to the Ministry Of Roads and Highway and GHA for further action.
19	Accra-Takoradi Motorway	Rebel Group						Within the second quarter the following actions was under taken. <ul style="list-style-type: none"> * evaluation of Expression of interest is completed * Six (6) firms were shortlisted * Request For Proposal was sent to the shortlisted firms to submit Technical and Financial proposal.
20	Missions from Development Partners World Bank Missions							There was no Mission within the second quarter.
PROJECT ON JICA								
21	Construction of a New Bridge Across the Volta River on the Eastern Corridor Project	Central Consultant Inc. & Oriental Consultants Global Co. Ltd.		8/9/2014				Draft final design report has been submitted by the consultant with a power point presentation of the report. GHA is reviewing the Draft Final design.
23	Project For The Improvement of the Tema Motorway Roundabout	CTI Engineering International Co. Ltd						The JICA study team submitted the outline design and drawings to GHA for review on 28th June 2016. The draft final will be incorporated into the Draft Final Design to be submitted in August 2017.
PLANING DIVISION								
24	Traffic Analysis	GHA Planning Division						The Division embarked on a 24 hours,13hours count as part of the national traffic survey. This was done on selected roads in the Upper West region from 23-29 June 2016.

Source: GHA Planning Division June 2016

4.5 Quantity Surveying Division

Interim Payment Certificates

A total of 175 certificates were vetted and passed at the close of the second quarter of the year 2016.

The breakdown is as follows:

- ✚ 38 Development Projects
- ✚ 137 Maintenance Projects
- ✚ 5 Invoices for consultancy services were also processed.

Table 25 below gives details of certificates that were vetted and corrected.

Table 25: Certificates Vetted & Corrected

IPC	Project	Submitted Amount GH¢	Corrected Amount GH¢
3	Upgrading of Nkoranza – Jema Road	3,359,089.56	2,462,080.21
9A	Upgrading of Effiduase – Juansa Road	376,017.51	186,042.02
4	Upgrading of New Edubiase – Anomabo Road	2,529,007.72	2,525,012.31
2	Partial Reconstruction of Obuasi – Dunkwa Rd	5,681,195.18	5,529,545.73
4	Upgrading of Adwofua - Oseikojokrom Road	2,786,432.80	2,751,512.81
5	Partial Reconstruction of Nsawam – Adeiso - Asamankese Road	1,668,379.52	1,605,650.44
1	Construction of U – drain along Anyirawase – Bame Road	48,560.19	48,203.22
1	Construction of U – drain on Anyirawase – Bame Road	49,493.39	49,003.39
1	Construction of U – drain on Anyirawase – Bame Road	49,173.49	48,921.33
7B	Pothole patching of Dawhenya - Prampram Rd	71,946.04	51,012.14
2	Pothole patching of Jasikan - Worawora Road	290,015.72	288,768.14
1	Construction of 1No. Pipe Culvert on Atebubu – Kwame Danso – Kojokrom Road	37,982.01	36,882.11
1	Construction of 1No. Pipe Culvert on Atebubu – Kwame Danso – Kojokrom Road	36,559.62	35,998.22

8	Upgrading of Enchi - Dadieso Road	3,274,927.64	3,265,751.87
1	Construction of 1 No. Pipe Culvert on Karaga – Sung – Pigu Road	302,797.00	296,377.51
15	Upgrading of Asikuma junction – Hohoe Road	8,949,273.48	7,579,294.22
20	Consultancy Services for the Upgrading of Kade – Wenchi – Akim Oda Road	438,982.39	434,278.28
1A	Reshaping of Sandema – Wusi Road Lot 6	25,618.35	24,180.59
1	Construction of U – drain on Adenta – Dodowa Road	45,913.00	45,205.00
5	Pothole Patching & Repairs on Bolga –Bawku Rd	81,764.01	69,114.07
2	Reconstruction of Have – Hohoe Road	1,279,043.62	1,188,077.62
2	Upgrading of Aburi – Nsawam Road & Others	3,063,158.13	2,368,691.99
1	Reconstruction of Tapa–Goaso Rd (0 –20km)	42,337,815.15	36,908,223.69
1	Upgrading of Gambia No. 2 – Kyeremasu Road	15,117,447.53	11,906,421.60
1	Reconstruction of Tapa–Goaso Rd (55 63.3km)	13,109,107.51	11,072,225.79
	TOTAL	GH¢105,009,700.56	GH¢90,776,474.30
	Savings		GH¢14,233,226.26

Source: GHA Quantity Surveying Division June 2016

4.6 Road Safety & Environment Division

4.6.1 The Division has responsibility for the following areas

- ✚ Road Safety Audit;
- ✚ Research, Monitoring and Evaluation unit.
- ✚ Road Furniture and Remedial works unit.
- ✚ Accident Investigation & Analysis
- ✚ Environmental Management Unit.

4.6.1.1 Road Safety Audit (RSA)

- Road Safety Audit stage 4 on Adeiso – Asamankese road, Lots 1 & 2 = 20km
- Road Safety Audit stage 4 at Medie on Nsawam – Suhum road = 5km
- Road Safety Audit stage 4 Asamankese – Nsawam = 10km

4.6.1.2 Research, Monitoring & Evaluation Unit

- ✚ Retroreflectivity test of road line marking on the Accra - Tema motorway
- ✚ Retroreflectivity test of road traffic signs for installation on Tema – Sogakofe road
- ✚ Testing of Road sign for installation on Accra - Cape Coast Road
- ✚ Review of final draft report on consultancy services for detailed engineering design for Asutuare junction – Vovoli road (28.3km), Dufor Adidome – Asikuma junction (38.4km) and Asutuare Aveyime road (24.0km) - ongoing

4.6.1.3 Road Safety & Remedial Work Unit

- ✚ Provision and installation of road signs on Tema – Sogakofe road by Messrs Yankaziya
- ✚ Provision and installation of road signs on Accra – Cape Coast road
- ✚ Installation of street lights on Ayimensah –Peduase road
- ✚ Installation and maintenance of street lighs on George Walker Bush highway by Messrs Prefos Limited
- ✚ Inventory for the installation of street lights on the following roads is completed;
 - Nyankpala – UDS road
 - Ejisu – KNUST road
 - Suame – Makuo road
 - Mallam – Kasoa road
 - Tema – Dawheanya road
 - Patang – Aburi road

- ✚ Installation of retro- reflective studs on Offinso – Techiman Highway – completed.
- ✚ Inventory for the installation of retro –reflective studs on Buipe - Tamale highway
- ✚ Installation of road signs on Offinso – Techiman highway - completed
- ✚ Road line marking on Tetteh Quarshie – Mallam junction section of N1 - ongoing
- ✚ Road line marking on Accra - Tema Motorway - ongoing

4.6.1.4 Accident Investigation & Analysis

The unit carried out:

- ✚ Accident investigation and analysis at Central University College on Tema – Aflao Road
- ✚ Accident investigation and analysis at Malejor, on Adenta- Dodowa road.

4.6.1.5 Environmental Management Unit

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

Air pollution, noise pollution and reinstatement of borrowed pits continue to be a challenge. The Unit visited the cocoa roads in the Western and Volta regions as part of its monitoring on Environmental and Social Mitigation Measures.

The Division together with EPA and the Survey and Design Division carried out a joint inspection to verify the road safety and visibility requirements of an access constructed by the property owner to join the trunk road.

HIV/AIDS

The Unit monitored the activities and supervised the HIV education organised by the contractor on Navrongo-Chuchuliga-Tumu Road project in the Upper West region.

4.7 Survey & Design Division

The following areas of activities that the Division covered:

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

4.7.1 Right Of Way Clarification

A total of two (2) Right-of-way clarifications were carried out for developers along the

- Accra – Cape Coast Road (N1)
- Accra – Kumasi (N6)

Site Inspection

- Field verification of the Hohoe – Jasikan road (10.0 – 20.0 km)

4.7.2 In-House Survey and Design Works & Review

Survey and Design activities were carried out for the following road

- ✚ Upgrading of Eastern Corridor Road (Have – Hohoe)
(45.0 – 95.0 km)

CHAPTER FIVE

5.0 CONCLUSION

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 2014 stood at 52% good, 34% fair and 14% poor.

5.1 Key Performance Indicators

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

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

The Authority evaluates its performance at the end of every quarter following the four areas of performance. Table 26 below shows the status of GHA Performance Matrix categorized into the four areas of performance as at June 2016.

Table 26 Status of 2016 Performance Matrix

Performance Monitoring Indicators	Units	Targets (Approved)	Jan-March 2016 (Actual)	April-June (Actual)	July-Sept. (Expected)	Oct.-Dec. (Expected)	% Achieved as at June 2016	Remarks
A. Financial/Economic								
1. Total Revenue of which								
(a) Road Fund	GH c	75,000,000.00	17,538,564.18	7,537,189.29	24,962,123.27	24,962,123.27	33.43	
(b) Donor Funds	GH c	144,713,631.00	137,729,145.23	80,811,137.00	-36,913,325.62	-36,913,325.62	151.02	
(c) Other funds - Annual Budget Funding Amount (ABFA)	GH c	96,618,257.00	8,390,722.27	18,313,126.26	34,957,204.24	34,957,204.24	27.64	
(d) Subvention	GH c	338,774,354.00	182,076,169.68	125,079,190.55	15,809,496.89	15,809,496.89	90.67	
(e) Internally generated revenue	GH c	4,540,633.00	588,817.69	2,438,422.66	756,696.33	756,696.33	66.67	
2. Internally generated revenue / Recurrent Expenditure	%	0.20						
B. Efficiency/Productivity								
1. Staff cost/Subvention								
	%	0.07						Staff cost represents 7% of 2016 subvention received from Government
2. Improve trunk road condition mix : Good								
	%	55						2015 Road Condition report under preparation
	: Fair	36						
	: Poor	9						
3. Labour strength								
	No.	1700	1505	1480	1450	1450		
C. Dynamic Effects								
1. Staff training								
(a) Submission of 2016 budgeted training programme	Month	February						No PC for 2016 thus no submission
(b) Implementation of budgeted training programme	%	100						
2. Corporate Planning								
Submission of updated Corporate Plan (2016 – 2018)	Month	November						Pending
3. Road Maintenance								
(a) Submission of Road Maintenance & Minor works Programme	Month							No PC for 2016 thus no submission
(b) Implementation of i) Routine Maintenance Programme	%	80	13.81	50.6	26	10	64.41	64.7% of Routine Maintenance achieved as at June 2016
ii) Periodic Maintenance Programme	%	80	12.59	41.81	30.4	14	54.4	54.4% of Periodic Maintenance achieved as at June 2016
iii) Minor works Programme	%	40	-	-			-	
4. Road Safety Management								
(a) Submission of 2016 Road Safety Management Programme	Month	January	-	-				No PC for 2016 thus no submission
(b) Implementation of Road Safety Management Programme	%	100						
D. Management Improvement/Projects								
1. Submission of Quarterly Reports	Weeks	6	8	-				2nd Quarter report outstanding
2. Conformance to SEC Report Format	No.	6	6					Conforms to SEC report format
3. Submission of 2015 Audited Accounts	Month	March	-	-				2015 Draft Audit Report has been issued by GHA's external auditors for Management action
4. Submission of 2017 Draft Performance Contract & Budget	Period	October	-	-				Pending
5. Submission of Approved Board of Directors Minutes	Weeks	1	-	-				Awaiting SOE Database forms from SEC
6. Submission of filled out Integrated SOE Database forms	Month	June	-	-				Awaiting SOE Database forms from SEC
7. Accuracy & Completeness of filled out SOE Database forms	%	90	-	-				Awaiting SOE Database forms from SEC
8. Holding of Annual Open Day	Month	August	-	-				Pending
9. Submission of 2017 Procurement Plan	Month	December	-	-				Pending

Source: GHA Planning Division June 2016

5.2 Constraints

Reduced Budget Allocation

Since 2012, the Subvention release to GHA has been dwindling, last year for instance, only GH¢55,000 was received from Ministry of Finance for Goods and services for the year 2015. GHA has been paying its own utility bills. Currently, Head Office spends about GH¢85,000 on electricity every month.

Inadequate Staff

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. Some of them are operating with only about 45% capacity of its technical human resources requirements and thus put immense pressure on existing staff thus affecting efficiency in most Divisions.

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

This is a very serious issue considering that the Authority needs technical staff in all sectors of its operations

Other major constraints facing the Authority are categorized below are:

- ✚ Overage vehicles in all the Departments of the Authority
- ✚ Urgent needs of Materials Division for Laboratory Equipment to carry out test for the public to generate IGF and as well for their normal operations.
- ✚ Overage and inadequate IT equipment and software for staff
- ✚ Poor contractor capacity and performance.
- ✚ Delay in payment of compensation due to long valuation procedures and inadequate budgetary allocation.
- ✚ Inadequate release of funds for Recurrent, Investment and Capital Investments.

5.3 The Way Forward

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

- ✚ The old vehicles are being phased through a board of survey and new vehicles are being acquired through projects.
- ✚ Some Laboratory Equipment are being procured through the Cocoa Roads projects.
- ✚ 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 cooperate email services.

- ✚ In addressing the poor contractor capacity and performance, the Authority in collaboration with the MRH have intensify the monitoring and Contractor classification system.
- ✚ GHA will endeavor to involve Land Valuation at the early stages of project preparation and also finalise the project alignment before the actual construction commences. This will help to present a realistic budget to MOF for processing and payment of compensation.
- ✚ Enforce Axle Load control laws to protect the investments made in roads.
- ✚ Open new Toll stations to ensure that funds are readily available for road maintenance
- ✚ Reducing Accident Fatalities on the trunk road network through improvement of safety measures
- ✚ Reducing Travel Time on heavily trafficked trunk road sections through grade separation.
- ✚ Ensuring that road development and maintenance programmes are executed with environmental and social mitigation measures
- ✚ Adequately recruiting, training and motivating all categories of requisite staff and providing the needed logistics to undertake the services. The recruitment will only be possible if the ban on recruitment is lifted
- ✚ Take practical steps to reduce energy consumption.

IGF Generation

The Authority is exploring IGF potentials within the jurisdiction of Ghana Highway Authority (GHA) and will assiduously harness it to increase the IGF generation to be able to meet its operational expenses in the area of expenditure under Goods and Services, Salary and Non Salary Related Allowance. This is to ensure that the Authority gets adequate funding to meet expenses to reduce tension in the System.

5.4 Conclusion

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