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Appendix 1. Member List of the Study team

Appendix 1. Member List of the Study Team

(1) Field Survey (I)

Job Title	Name	Occupation
Leader	Katsuji MIYATA	Senior Program Administration Officer, Transportation and Electric Power Team, Project Management Group I, Grant Aid Management Department, JICA
Grant Aide Cooperation	Tae TAKITA	Grant Aid and Technical Cooperation Division, International Cooperation Bureau, Ministry of Foreign Affairs
Chief Consultant/Road Transportation Planner	Tetsumi MASUI	Construction Project Consultants, Inc.
Road Designer I	Takuji KONO	Construction Project Consultants, Inc.
Road Designer II	Nobuharu SHIMIZU	Construction Project Consultants, Inc.

(2) Field Survey (II)

Job Title	Name	Occupation
Leader	Shiro NABEYA	Resident Representative, JICA Zambia Office
Chief Consultant/Road Transportation Planner	Tetsumi MASUI	Construction Project Consultants, Inc.
Road Designer I	Takuji KONO	Construction Project Consultants, Inc.
Road Designer II	Nobuharu SHIMIZU	Construction Project Consultants, Inc.
Natural Conditions Surveyor/Cost Estimator II	Sueo HIROSE	Construction Project Consultants, Inc.
Construction Planner/Cost Estimator I	Shin ONODA	Construction Project Consultants, Inc.

(3) Explanation of the Draft Basic Design

Job Title	Name	Occupation
Leader	Katsuji MIYATA	Chief, Transportation and Electric Power Team, Project Management Group I, Grant Aid Management Department, JICA
Chief Consultant/Road Transportation Planner	Tetsumi MASUI	Construction Project Consultants, Inc.
Road Designer I	Takuji KONO	Construction Project Consultants, Inc.
Study Team Coordinator	Shozo INOUE	Construction Project Consultants, Inc.

Appendix 2. Study Schedule

Appendix 2. Study Schedule

(1) Field Survey (I)

Date			Official Member		Consultants Member		
			Leader Mr. Miyata	Grant Aid Cooperation Ms. Takita	Chief Consultant/Road Transportation Planner Mr. Masui	Road Designer I Mr. Kono	Road Designer II Mr. Shimizu
1	2007/9/26	Wed	NRT-HKG by JL735 HKG - JNB by SA287		NRT(18:25)-HKG(22:00) by CX521 HKG(23:50)-JNB(07:00) by SA287		
2	2007/9/27	Thu	JNB-Lusakaby SA062 -Meeting with JICA Zambia Office		Same as Mission Leader		
3	2007/9/28	Fri	-Courtesy call to, and meeting with EOJ -Courtesy call to, and meeting with MLGH -Confirmation of study schedule -Explanation of purpose of study		Same as Mission Leader		
4	2007/9/29	Sat	Leave for Livingstone by surface -Meeting with LCC -Site survey	NRT-SIN-JNB	Same as Mission Leader		
5	2007/9/30	Sun	-Site survey and Internal meeting	JNB-Livingstone by SA048 -Site survey and Internal meeting	Same as Mission Leader		
6	2007/10/1	Mon	-Meeting with the Livingstone City Council, site survey				
7	2007/10/2	Tue	-Meeting with the Livingstone City Council, site survey -Discussion on the M/D with the Livingstone City Council				
8	2007/10/3	Wed	Leave for Lusaka by surface -Discussion on the M/D with MLGH				
9	2007/10/4	Thu	-Discussion & Signing on the M/D with MLGH -Report to EOJ -Meeting with JICA Office				
10	2007/10/5	Fri	Lusaka-JNB-SIN			Leave for Livingstone by surface	
11	2007/10/6	Sat	SIN-NRT		-Meeting with MLGH (and RDA of Lusaka) and other organization related Site survey(Lusaka)	Site survey (Livingstone)	Site survey (Livingstone)
12	2007/10/7	Sun					
13	2007/10/8	Mon					
14	2007/10/9	Tue					
15	2007/10/10	Wed					
16	2007/10/11	Thu		-Report to JICA Zambia Office			
17	2007/10/12	Fri		Lusaka-JNB-HKG			
18	2007/10/13	Sat		HKG-NRT			
19	2007/10/14	Sun					
20	2007/10/15	Mon				Leave for Lusaka by surface	
21	2007/10/16	Tue				Lusaka-JNB	
22	2007/10/17	Wed				HKG-NRT	
23	2007/10/18	Thu					
24	2007/10/19	Fri					
25	2007/10/20	Sat					
26	2007/10/21	Sun					
27	2007/10/22	Mon					
28	2007/10/23	Tue					Leave for Lusaka by surface, Report to JICA Zambia Office
29	2007/10/24	Wed					Lusaka-JNB-HKG
30	2007/10/25	Thu					HKG-NRT

(2) Field Survey (II)

Date			Official Member	Consultants Member					
			Leader Mr. Nabeya	Chief Consultant/Road Transportation Planner Mr. Masui	Road Designer I Mr. Kono	Road Designer II Mr. Shimizu	Natural Conditions Surveyor/Cost Estimator II Mr. Hirose	Construction Planner/Cost Estimator I Mr. Onoda	
1	2007/11/3	Sat				NRT-HKG by JL735			
2	2007/11/4	Sun				HKG-JNB by SA287 JNB-Lusaka by SA062			
3	2007/11/5	Mon							
4	2007/11/6	Tue							
5	2007/11/7	Wed							
6	2007/11/8	Thu							
7	2007/11/9	Fri				Leave for Livingstone			
8	2007/11/10	Sat		NRT-SIN by SQ011			BKK-JNB	NRTSINby SQ011	
9	2007/11/11	Sun		SIN-JNB by SQ478, JNB -Lusaka by SA062			JNB-Lusaka by SA062	SIN-JNB by SQ478, JNB -Lusaka by SA062	
10	2007/11/12	Mon	-Courtesy call to EOJ -Courtesy call to, and meeting with JICA Zambia office -Courtesy call to, and meeting with MLGH				Same as Mission Leader		
11	2007/11/13	Tue	-Meeting with MLGH (and RDA of Lusaka)				Leave for Livingstone		
12	2007/11/14	Wed							
13	2007/11/15	Thu							
14	2007/11/16	Fri							
15	2007/11/17	Sat							
16	2007/11/18	Sun							
17	2007/11/19	Mon							
18	2007/11/20	Tue							
19	2007/11/21	Wed	-Signing on the M/D with MLGH (and RDA of Lusaka) -Report to EOJ -Meeting with JICA Zambia office JICA						
20	2007/11/22	Thu							
21	2007/11/23	Fri							
22	2007/11/24	Sat							
23	2007/11/25	Sun							
24	2007/11/26	Mon							
25	2007/11/27	Tue							
26	2007/11/28	Wed							
27	2007/11/29	Thu							
28	2007/11/30	Fri							
29	2007/12/1	Sat							
30	2007/12/2	Sun							
31	2007/12/3	Mon							
32	2007/12/4	Tue							
33	2007/12/5	Wed							
34	2007/12/6	Thu							
35	2007/12/7	Fri							
36	2007/12/8	Sat							
37	2007/12/9	Sun							

(3) Explanation of the Draft Basic Design

Date			Official Member	Consultants Member		
			Leader Mr. Miyata	Chief Consultant/Road Transportation Planner Mr. Masui	Road Designer I Mr. Kono	Study Team Coordinator Mr. Inoue
1	2008/3/15	Sat	NRT - HKG - JNB			
2	2008/3/16	Sun	JNB-Lusaka			Dar es Salaam-Lusaka
3	2008/3/17	Mon	-Meeting with JICA Zambia Office -Courtesy call to, and meeting with MLGH -Courtesy call to EOJ			
4	2008/3/18	Tue	-Courtesy call to, and meeting with RDA Leave for Livingstone by surface -Courtesy call to, and meeting with LCC			-Meeting with MLGH and RDA
5	2008/3/19	Wed	-Discussion with LCC Leave for Lusaka by surface -Discussion on the M/D with MLGH			
6	2008/3/20	Thu	-Signing on the M/D with MLGH (and RDA of Lusaka) -Report to EOJ, JICA			
7	2008/3/21	Fri	Internal meeting			
8	2008/3/22	Sat	Lusaka-JNB-HKG			Lusaka - Dar es Salaam
9	2008/3/23	Sun	HKG-NRT			

Appendix 3. List of Party Concerned in Zambia

Appendix 3. List of Party Concerned in Zambia

Ministry of Local Government and Housing (MLGH)	
Mr. Maswabi M.Maimbolwa	Permanent Secretary (Until October, 2007)
Mr. Joel M Ngo	Permanent Secretary (After November, 2007)
Mr. Coillard C Chibbonta	Acting Permanent Secretary
Mr. Peter Lubambo	Director of Department of Infrastructure and Support Services
Mr. Davies C. Zulu	Assistant Director of Department of Infrastructure and Support Services
Mr. Richrd M. Kangwa	Senior Engineer of Department of Infrastructure and Support Services (Urban road)
Mr. Nkumbu Siame	Senior Engineer of Department of Infrastructure and Support Services (Rural road)
Livingstone City Council (LCC)	
Mr. D. Musesa	Acting Mayor, (Councillor)
Mr. George Kalenga	Town Clerk of Livingstone City Council
Mr. Clement Mutale Chisanga	Director of City Planning
Mr. Mwiya Felix	Acting Director of Planning
Mr. Geoffney Simywibulula	Director of Engineering Service
Mr.Charles Sichzya	Deputy Director of Engineering Service
Road Development Agency (RDA)	
Mr. Erasmus M. Chlundika	Acting Director & Chief Executive Officer
Mr. Daniel Mulonga	Acting Manager, Planning & Design
Mr. Stephen M. Malubila	Manager, Construction and Maintenance
Mr. Aalon Mwila	Principal Engineer of HMS-Trunk & Main Roads
Mr. Elias Mwape	Chief Engineer, Design
Mr. Tom M. Thomsen	Technical Advisor : Planning
Mr. Mubuyaeta Kapinda	Regional Engineer, Southern Province (Livingstone city)
Mr. Lazarous Nyawali	Regional Engineer, Southern Province (Livingstone city)

Mr. Gershom Mwangomba	Senior Engineer of Southern Province
Mr. Jairo Mhango	Manager Axle Load Control (Lusaka)
National Road Fund Agency (NRFA)	
Mr. Emmanuel Kaunda	Monitoring and Evaluation Manager
Ministry of Works & Supply (MWS)	
Mr. Kelly M.Kapinga	Acting Assistant Director (Economics) of Planning and Monitoring Department
Environmental Council of Zambia (ECZ)	
Mr. Felix Chabala	Principal Inspector-Environmental impact Assessment
Mr. Humphrey K. Mwale	Senior Inspector-Environmental impact Assessment
Ms.Nancy Muslofa	Senior Inspector-Environmental impact Assessment
Mr. Fredric Muyano	Senior Inspector (Livingstone city)
Zambia Wildlife Authority (ZAWA)	
Mr. Fred Sakabry	Resident Engineer
National Heritage Conservation Commission (NHCC)	
Mr. Isaae Kangwu	Manager Information and Public Relations
Ministry of Home Affaire (MOHA)	
Mr. Anderson S. Phiri	Acting Deputy Chief Immigration Officer (Administration)
Road Transport & Safty Agency (RTSA)	
Mr. Martin S. Mbang	Deputy Director -Safety
Zambia National Tourist Board (ZNTB)	
Mr. Peter Zulu	Statistician of ZNTB
Zambia Railways Limited	
Mr. Richard Bwalya	The Technical Manager
Railway Systems of Zambia Ltd.	
Mr. Charrles David Phiri	Executive Manager Corporate Affairs

World Bank in Zambia	
Mr. Davies Makasa	Team Leader
European Union (Delegation of the European Commission of Zambia)	
Mr. Jurgen Kettner	Second Secretary, Head of Infrastructure Section
Mr. Liso Matanga Simbeleko	Programme Officer - Infrastructure
Embassy of Japan	
Mr. Hideto Mitamura	Ambassador Extraordinary and Plenipotentiary of Japan to the Republic of Zambia
Mr. Kotaro Suzuki	Minister-Counsellor
Mr. Yuichi Hirata	Second Secretary (Economic-Cooperation)
JICA Zambia Office	
Mr. Shiro Nabeya	Resident Representative
Mr. Minoru Miyasaka	Deputy Resident Representative
Mr. Wataru Sato	Assistant Resident Representative
Ms. Elizabeth Phiri	Economic development Advisor

Appendix 4. Minutes of Discussion (M/D)

(1) Field Survey (I)

Minutes of Discussions
on the Basic Design Study
on the Project for Improvement of Livingstone City Roads
in the Republic of Zambia

In response to a request from the Government of the Republic of Zambia (hereinafter referred to as "GRZ"), the Government of Japan decided to conduct a Basic Design Study on the Project for Improvement of Livingstone City Roads (hereinafter referred to as "the Project") and entrusted the study to the Japan International Cooperation Agency (hereinafter referred to as "JICA").

JICA sent to Zambia the Basic Design Study Team (hereinafter referred to as "the Team"), headed by Mr. Miyata Katsuji, Senior Project Administration Officer, Transportation and Electric Power Team, Project Management Group I of the Grant Management Department, JICA, and is scheduled to stay in the country from September 27 to October 24, 2007.

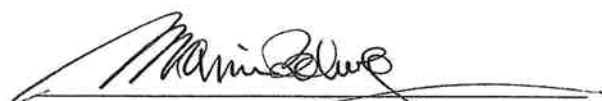
The Team held discussions with the concerned officials of GRZ and conducted a field survey at the study area.

In the course of discussions and field survey, both sides confirmed the main items described in the attached sheets.

Lusaka, October 4, 2007



Miyata Katsuji
Leader
Basic Design Study Team
Japan International Cooperation Agency



Maswabi M. Maimbolwa
Permanent Secretary
Ministry of Local Government and Housing
The Republic of Zambia





ATTACHMENT

1. Objective of the Project

The objective of the Project is to rehabilitate the roads and related structures in the City of Livingstone.

2. Project Site

The sites of the Project are located in the City of Livingstone, as shown in Annex-1.

However, the final sites of the Project are subject to further studies in Japan.

3. Responsible and Implementing Organizations

3-1. The responsible Ministry is the Ministry of Local Government and Housing (MLGH).

The organization chart of the MLGH is shown in Annex-2-1.

3-2. The implementing organization is the Livingstone City Council (LCC).

The organization chart of the LCC is shown in Annex-2-2.

4. Items Requested by the GRZ

After discussions with the Team, the Zambian side finally requested the items described in Annex-3.

JICA will further assess the appropriateness of the request and will report the findings to the Government of Japan.

5. Japan's Grant Aid Scheme

5-1. The Zambian side understands the Japan's Grant Aid scheme explained by the Team as described in Annex-4.

5-2. The Zambian side will take necessary measures, as described in Annex-5, for smooth implementation of the Project, as a condition for the Japan's Grant Aid to be implemented.

6. Schedule of the study

6-1. The Team will proceed with further studies in Zambia until October 24, 2007.

6-2. JICA will dispatch a mission for the second field survey around the middle of November, 2007.

6-3. Based on the first and second field survey, JICA will prepare the draft report in English and dispatch a mission to Zambia in order to explain its contents around the middle of March, 2008.

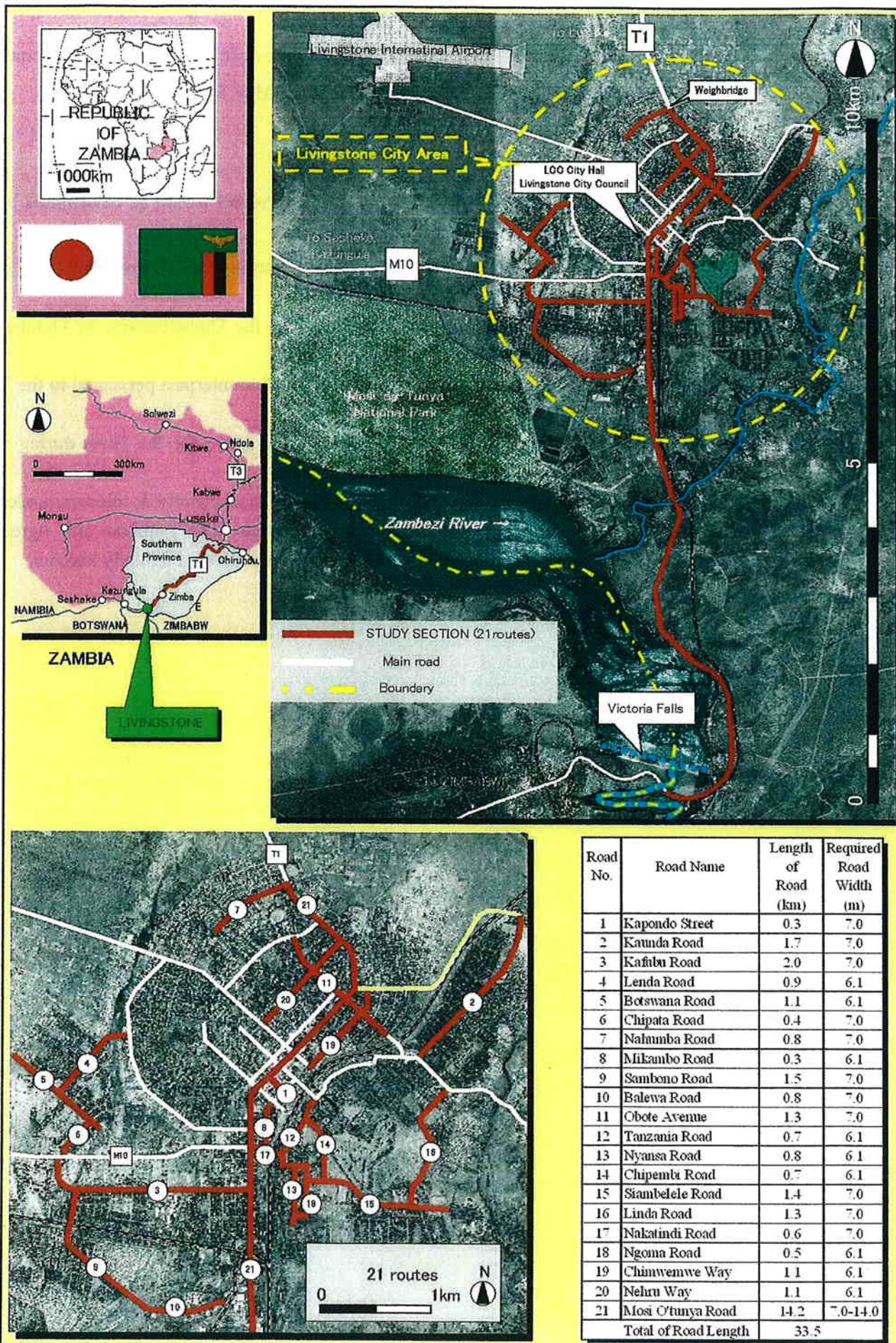


6-4. When the contents of the draft report are accepted in principle by GRZ, JICA will complete the final report and send it to GRZ around the middle of May 2008.

7. Other Relevant Issues

- 7-1. Both sides confirmed that the final components of the Project would be determined by the Japanese side after further studies in Japan.
- 7-2. The Zambian side agreed to complete all procedures regarding the environmental and social considerations necessary for the Project.
- 7-3. The Zambian side should submit answers in English to the Questionnaire by October 10, 2007, with relevant documents.
- 7-4. The Zambian side should provide necessary number(s) of counterpart personnel to the Team during the period of the studies in Zambia.
- 7-5. Both sides agreed that the Zambian side provides office space for the Team during study period.
- 7-6. The Zambian side shall relocate the public utilities, such as electricity & telecommunication lines, water and sewerage pipes, necessary for the Project. The Zambian side agreed to secure and allocate necessary budget for undertakings to be done on a timely manner.



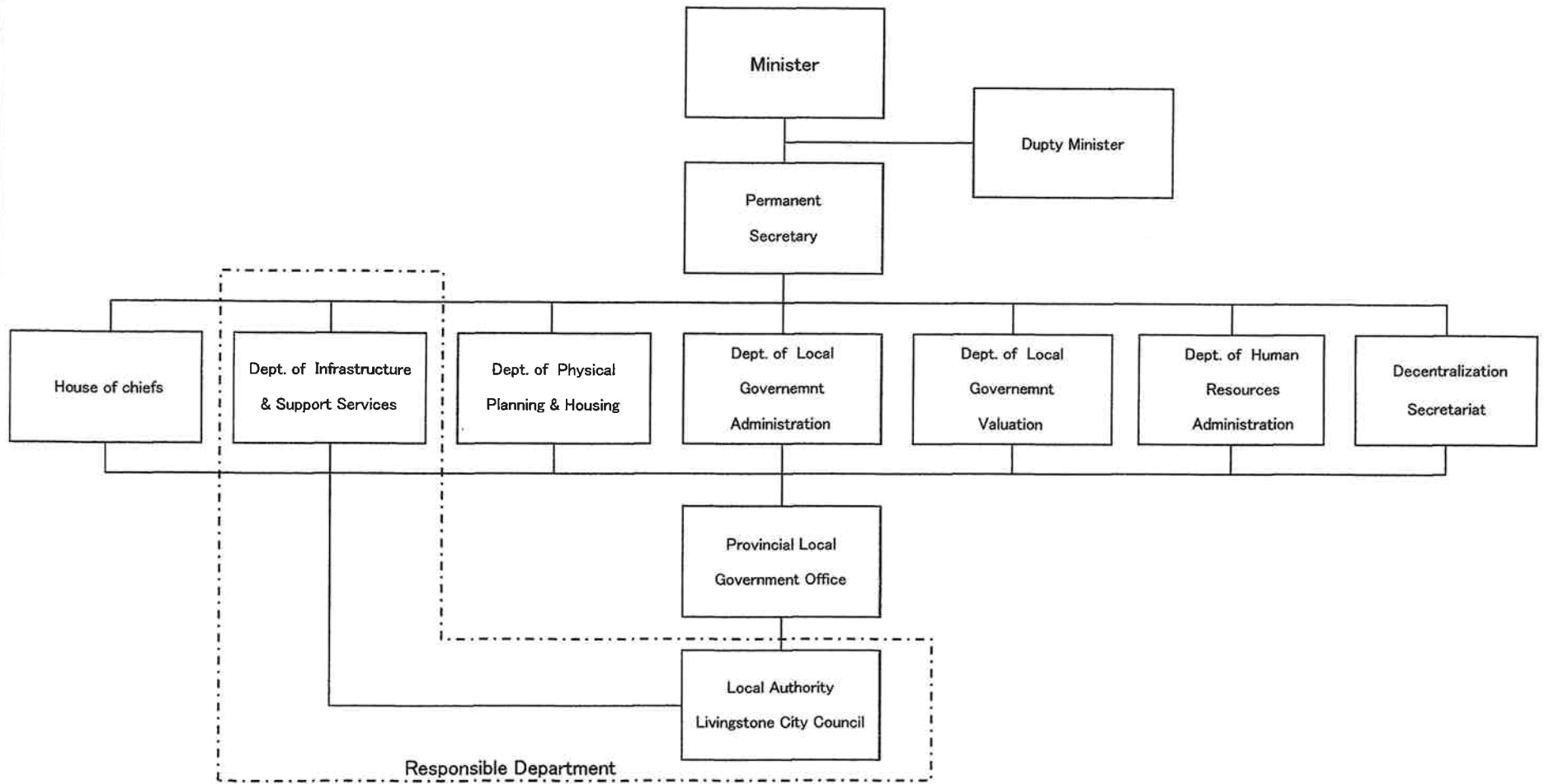


LOCATION MAP

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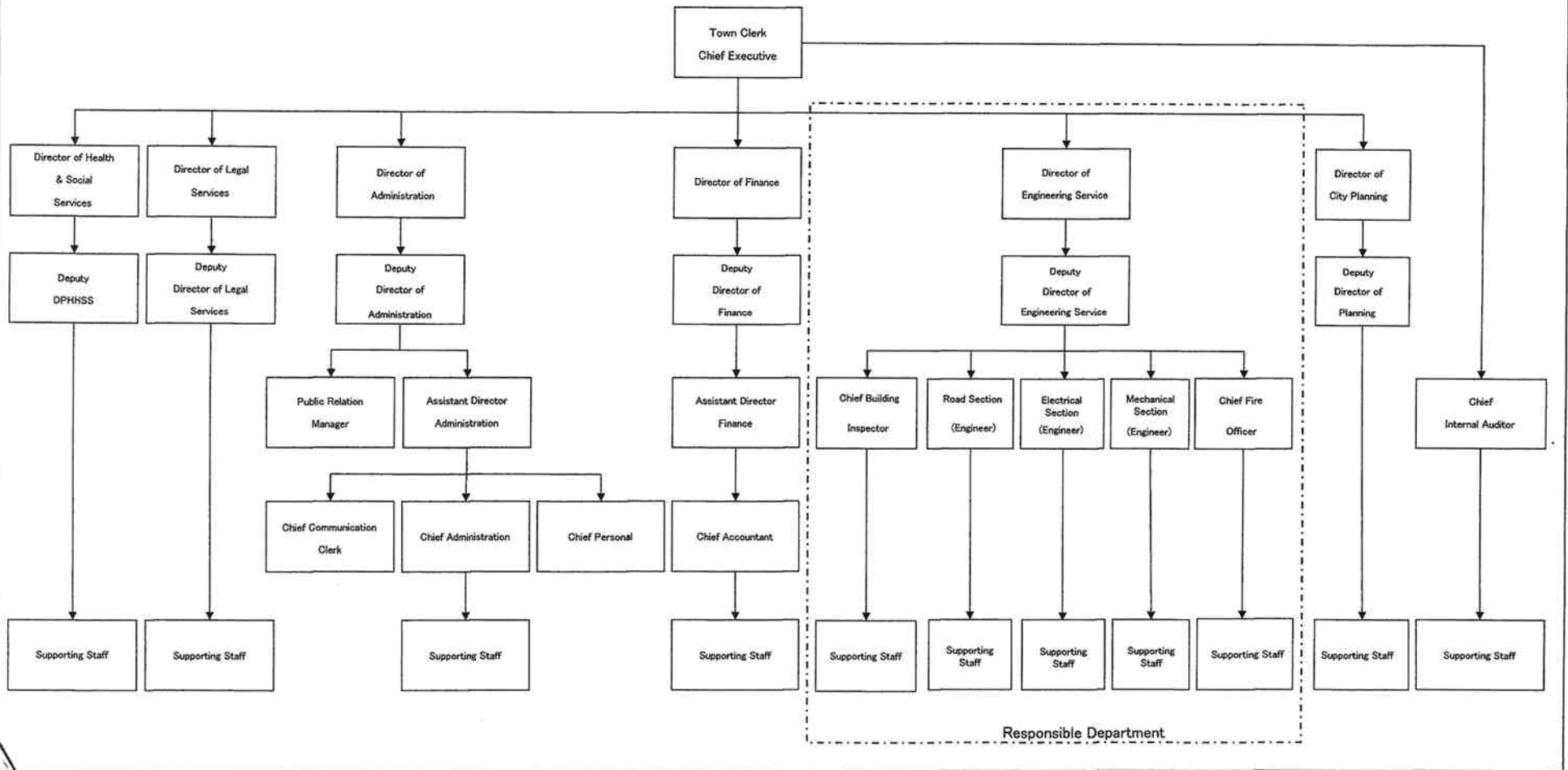
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Organization Chart of Ministry of Local Government and Housing (MLGH)



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Organization Chart of Livingstone City Council (LCC)



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Annex-3

Road No.	Road Name	Length of Road (km)	Required Road Width (m)
1	Kapondo Street	0.3	7.0
2	Kaunda Road	1.7	7.0
3	Kafubu Road	2.0	7.0
4	Lenda Road	0.9	6.1
5	Botswana Road	1.1	6.1
6	Chipata Road	0.4	7.0
7	Nahumba Road	0.8	7.0
8	Mikambo Road	0.3	6.1
9	Sambono Road	1.5	7.0
10	Balewa Road	0.8	7.0
11	Obote Avenue	1.3	7.0
12	Tanzania Road	0.7	6.1
13	Nyansa Road	0.8	6.1
14	Chipembi Road	0.7	6.1
15	Siambelele Road	1.4	7.0
16	Linda Road	1.3	7.0
17	Nakatindi Road	0.6	7.0
18	Ngoma Road	0.5	6.1
19	Chimwemwe Way	1.1	6.1
20	Nehru Way	1.1	6.1
21	Mosi O'tunya Road	14.2	7.0-14.0
Total of Road Length		33.5	



Japan's Grant Aid Scheme for General Project

The Grant Aid scheme provides a recipient country with non-reimbursable funds to procure the facilities, equipment and services (engineering services and transportation of the products, etc.) for economic and social development of the country under principles in accordance with the relevant laws and regulations of Japan. The Grant Aid is not supplied through the donation of materials as such.

1. Grant Aid Procedures

Japan's Grant Aid Scheme is executed through the following procedures.

Application	(Request made by a recipient country)
Study	(Basic Design Study conducted by JICA)
Appraisal & Approval Cabinet)	(Appraisal by the Government of Japan and Approval by
Determination of Implementation	(The Notes exchanged between the Governments of Japan and the recipient country)

Firstly, the application or request for a Grant Aid project submitted by a recipient country is examined by the Government of Japan (the Ministry of Foreign Affairs) to determine whether or not it is eligible for Grant Aid. If the request is deemed appropriate, the Government of Japan assigns JICA (Japan International Cooperation Agency) to conduct a study on the request.

Secondly, JICA conducts the study (Basic Design Study), using Japanese consulting firms.

Thirdly, the Government of Japan appraises the project to see whether or not it is suitable for Japan's Grant Aid Scheme, based on the Basic Design Study report prepared by JICA, and the results are then submitted to the Cabinet for approval.

Fourthly, the project, once approved by the Cabinet, becomes official with the Exchange of Notes (E/N) signed by the Governments of Japan and the recipient country.

Finally, for the smooth implementation of the project, JICA assists the recipient country in such matters as preparing tenders, contracts and so on.

2. Basic Design Study

1) Contents of the Study

The aim of the Basic Design Study (hereinafter referred to as "the Study"), conducted by JICA on a requested project (hereinafter referred to as "the Project"), is to provide a basic document necessary for the appraisal of the Project by the Government of Japan. The contents of the Study are as follows:

- 3- Confirmation of the background, objectives, and benefits of the Project and also institutional capacity of agencies concerned of the recipient country necessary for the

Project's implementation.

- 4- Evaluation of the appropriateness of the Project to be implemented under the Grant Aid Scheme from a technical, social and economic point of view;
- 5- Confirmation of items agreed upon by both parties concerning the basic concept of the Project.
- 6- Preparation of a basic design of the Project.
- 7- Estimation of cost of the Project.

The contents of the original request are not necessarily approved in their initial form as the contents of the Grant Aid project. The Basic Design of the Project is confirmed considering the guidelines of Japan's Grant Aid scheme.

The Government of Japan requests the Government of the recipient country to take whatever measures are necessary to ensure its self-reliance in the implementation of the Project. Such measures must be guaranteed even through they may fall outside of the jurisdiction of the organization in the recipient country actually implementing the Project.

Therefore, the implementation of the Project is confirmed by all relevant organizations of the recipient country through the Minutes of Discussions.

2) Selection of Consultants

For smooth implementation of the Study, JICA uses registered consulting firms. JICA selects firms based on proposals submitted by interested firms. The firms selected carry out a Basic Design Study and write a report, based upon terms of reference set by JICA.

The consulting firms used for the Study are recommended by JICA to the recipient country to also work on the Project's implementation after the Exchange of Notes, in order to maintain technical consistency.

3. Japan's Grant Aid Scheme

1) Exchange of Notes (E/N)

Japan's Grant Aid is extended in accordance with the Notes exchanged by the two Governments concerned, in which the objectives of the project, period of execution, conditions and amount of the Grant Aid, etc., are confirmed.

- 2) "The period of the Grant Aid" means the one fiscal year which the Cabinet approves the project for. Within the fiscal year, all procedure such as exchanging of the Notes, concluding contracts with consulting firms and contractors and final payment to them must be completed.

However, in case of delays in delivery, installation or construction due to unforeseen factors such as natural disaster, the period of the Grant Aid can be further extended for a maximum of one fiscal year at most by mutual agreement between the two Governments.

- 3) Under the Grant Aid, in principle, Japanese products and services including transport or those of the recipient country are to be purchased.

When the two Governments deem it necessary, the Grant Aid may be used for the purchase of the products or services of a third country.

However, the prime contractors, namely consulting, contracting and procurement firms, are limited to "Japanese nationals". (The term "Japanese nationals" means persons of Japanese nationality or Japanese corporations controlled by persons of Japanese nationality.)

4) Necessity of "Verification"

The Government of the recipient country or its designated authority will conclude contracts denominated in Japanese yen with Japanese nationals. Those contracts shall be verified by the Government of Japan. This "Verification" is deemed necessary to secure accountability of Japanese taxpayers.

5) Undertakings required to the Government of the recipient country

In the implementation of the Grant Aid Project, the recipient country is required to undertake such necessary measures as the following:

- (1) To secure land necessary for the sites of the Project and to clear, level and reclaim the land prior to commencement of the Project,
- (2) To provide facilities for the distribution of electricity, water supply and drainage and other incidental facilities in and around the sites,
- (3) To secure buildings prior to the procurement in case the installation of the equipment,
- (4) To ensure all the expense and prompt execution for unloading, customs clearance at the port of disembarkation and internal transportation of the products purchased under the Grant Aid,
- (5) To exempt Japanese nationals from customs duties, internal taxes and other fiscal levies which will be imposed in the recipient country with respect to the supply of the products and services under the verified contracts,
- (6) To accord Japanese nationals, whose services may be required in connection with supply of the products and services under the Verified contracts, such facilities as may be necessary for their entry into the recipient country and stay therein for the performance of their work.

6) "Proper Use"

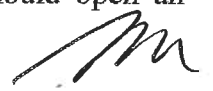
The recipient country is required to operate and maintain the facilities constructed and equipment purchased under the Grant Aid properly and effectively and to assign staff necessary for this operation and maintenance as well as to bear all the expenses other than those covered by the Grant Aid.

7) "Re-export"

The products purchased under the Grant Aid should not be re-exported from the recipient country.

8) Banking Arrangement (B/A)

- a) The Government of the recipient country or its designated authority should open an



account in the name of the Government of the recipient country in a bank in Japan (hereinafter referred to as "the Bank"). The Government of Japan will execute the Grant Aid by making payments in Japanese yen to cover the obligations incurred by the Government of the recipient country or its designated authority under the verified contracts.

b) The payments will be made when payment requests are presented by the Bank to the Government of Japan under an Authorization to Pay (A/P) issued by the Government of recipient country or its designated authority.

9) Authorization to pay (A/P)

The Government of the recipient country should bear an advising commission of an Authorization to Pay and payment commissions to the Bank.



Major Undertakings to be taken by Each Government

No.	Items	To be covered by Grant Aid	To be covered by Recipient Party
1	To secure land		●
2	To clear, level and reclaim the site when needed		●
3	To construct gates and fences in and around the site	(●)	(●)
4	To construct roads		
	1) Within the site	●	
	2) Outside the site when needed	N/A	N/A
5	To bear the following commission to the Japanese bank for the banking services based upon the B/A		
	1) Advising commission of A/P		●
	2) Payment commission		●
6	To ensure prompt unloading and customs clearance at port of disembarkation in recipient country		
	1) Marine (Air) transportation of the products from Japan to the recipient country	●	
	2) Tax exemption and custom clearance of the products at the port of disembarkation		●
	3) Internal transportation from the port of disembarkation to the project site	●	
7	To accord Japanese nationals, whose services may be required in connection with the supply of the products and the services under the verified contract, such facilities as may be necessary for their entry into Zambia and stay therein for the performance of their works		●
8	To exempt Japanese nationals from customs duties, internal taxes and other fiscal levies which may be imposed in Zambia with respect to the supply of the products and services under the verified contracts		●
9	To maintain and use properly and effectively the facilities constructed and equipment provided under the Japan's Grant		●
10	To bear all the expenses, other than those to be borne by the Japan's Grant, necessary for construction of the facilities		●

(B/A: Banking Arrangement, A/P: Authorization to Pay)




(2) Field Survey (II)

Minutes of Discussions
on the Basic Design Study
on the Project for Improvement of Livingstone City Roads
in the Republic of Zambia
(Second Field Survey)

In October 2007, the Japan International Cooperation Agency (hereinafter referred to as "JICA") dispatched the Basic Design Study Team (First Field Survey) on the Project for Improvement of Livingstone City Roads (hereinafter referred to as "the Project") to Zambia.

JICA sent to Zambia the Basic Design Study Team(Second Field Survey) (hereinafter referred to as "the Team"), headed by Mr. Shiro Nabeya, Resident Representative, JICA Zambia Office, from November 4 to December 8, 2007.

The Team held discussions with the concerned officials of the Government of the Republic of Zambia (hereinafter referred to as "GRZ") and conducted a field survey at the study area.

In the course of discussions and field survey, both sides confirmed the main items described in the attached sheets.

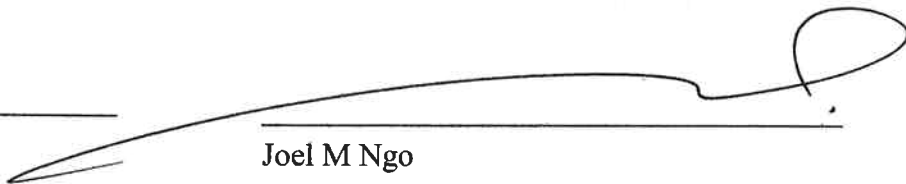
Lusaka, November 21, 2007

Signed by;

Signed by;



Shiro Nabeya
Leader
Basic Design Study Team
Japan International Cooperation Agency



Joel M Ngo
Permanent Secretary
Ministry of Local Government and Housing
The Republic of Zambia

Witnessed by;



Erasmus M. Chilundika
Acting Director & CEO
Road Development Agency (RDA)
The Republic of Zambia

ATTACHMENT

1. Items Requested by the GRZ

Based on the result of the analysis by the Team, both sides had discussions on the components of the Project. The Team explained to the Zambian side that the list of 20 roads originally requested did not qualify. It was then proposed to include only Mosi O'Tunya Road because of its economic and tourist importance. The Zambian side understood the components of the Project explained by the Team and finally requested the items described below.

To improve Mosi O'Tunya Road (13.22km) including the following items;

- To improve the pavement (including sidewalk),
- To improve the road drainage system along the road,
- To provide the traffic safety and service facilities (road markings, signs, bus stops, and parking area).

JICA would further assess the appropriateness of the request and report the findings to the Government of Japan.

2. Japan's Grant Aid Scheme

The Zambian side understood the Japan's Grant Aid scheme and the necessary measures to be taken by the Zambian side as explained by the Team and described in Annex-4 and Annex-5 of the Minutes of Discussions signed by both sides on October 4, 2007.

3. Schedule of the study

3-1. The Team would proceed with further studies in Zambia until December 8, 2007.

3-2. Based on the studies both in Zambia and Japan, JICA would prepare the draft report in English and dispatch a team to Zambia in order to explain its contents around the middle of March, 2008.

3-3. Following acceptance in principle of the draft report by GRZ, JICA would complete the final report and send it to GRZ around the end of May 2008.

4. Other Relevant Issues

4-1. The Zambian side should obtain the approval and/or confirmation in writing regarding the environmental and social considerations necessary for the Project from the concerned authorities such as the Environmental Council of Zambia by the end of February, 2008.

4-2. The Zambian side should relocate the public utilities, such as electricity & telecommunication lines, water and sewerage pipes, within the Right of Way (ROW) and/or Corridor of Impact (COI) of the roads before the commencement of the Project.

4-3. The Zambian side should provide necessary number(s) of counterpart personnel to the Team during the period of the studies in Zambia.

4-4. Both sides agreed that the Zambian side would provide office space for the Team during the study period.

4-5. The Zambian side strongly requested the Team to include street lights, benches, a cycling track and especially traffic lights. Both sides confirmed that the final components of the Project would be examined by the Japanese side based on the results of further study.

4-6. The Zambian side requested the Team to make a priority among the 20 roads for future project consideration.

JMN

(3) Explanation of the Draft Basic Design

**Minutes of Discussions
on the Basic Design Study
on the Project for Improvement of Livingstone City Roads in the Republic of Zambia
(Explanation on Draft Report)**

In November 2007, the Japan International Cooperation Agency (hereinafter referred to as "JICA") dispatched the Basic Design Study Team (Second Field Survey) on the Project for Improvement of Livingstone City Roads (hereinafter referred to as "the Project") to Zambia, and through discussions, field survey, and technical examination of the results in Japan, JICA prepared a draft report of the study.

In order to explain and to consult with the concerned officials of the Government of Zambia on the components of the draft report, JICA sent to Zambia the Draft Report Explanation Team (hereinafter referred to as "the Team"), which is headed by Mr. Katsuji Miyata, Chief, Transportation and Electric Power Team, Project Management Group I of the Grant Management Department, JICA, from March 16 to March 22, 2008.

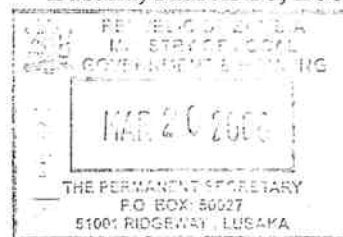
As a result of discussions, both sides confirmed the main items described in the attached sheets.

Lusaka, March 20, 2008

Signed by;

Katsuji Miyata
Leader
Draft Report Explanation Team
Japan International Cooperation Agency

Signed by;



Joel M Ngo
Permanent Secretary
Ministry of Local Government and Housing
The Republic of Zambia

Witnessed by;

Erasmus M. Chilundika
Acting Director & CEO
Road Development Agency (RDA)
The Republic of Zambia

ATTACHMENT

1. Components of the Draft Report

The Zambian side agreed and accepted in principle the components of the draft report explained by the Team.

2. Cost Estimation

Both sides agreed that the Project Cost Estimation, as attached in Annex-1, should never be duplicated or released to any third parties before the signing of all the Contracts for the Project.

3. Schedule of the Study

JICA will complete the final report in accordance with the confirmed items and send it to the Zambian side around June 2008.

4. Other Relevant Issues

4-1. Both sides confirmed that the additional requests, for benches, a cycling track and traffic lights have been excluded from the components of the Project, except for street lights.

4-2. The Zambian side submitted the approval in writing regarding environmental and social considerations necessary for the Project from the Environmental Council of Zambia (ECZ) (as per Annex-2).

4-3. The Zambian side agreed to secure and allocate the necessary budget for undertakings to be done on a timely manner, based on the provisional amount shown in the draft report. The tentative schedule and contents of the budget are shown in Annex-3.

4-4. The Zambian side shall secure enough budget and personnel necessary for operation and maintenance of the facilities improved by the Project, including the periodical maintenance work after the completion of the Project.

4-5. The Team explained the result of the prioritization of 20 roads excluded from the components of the Project to the Zambian side for the reference only.

4-6. Both sides confirmed that the title of the Project should be changed to as "The Project for Improvement of Livingstone City Road in the Republic of Zambia".

Annex-1: Project Cost to be borne by Japan's Grant Aid

Annex-2: Official letter from ECZ

Annex-3: Schedule of Undertakings of Zambian side

**This page is closed
due to the confidentiality.**



ENVIRONMENTAL COUNCIL OF ZAMBIA

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Chirundu Border Office
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Tel/Fax: 260-1-515261

In reply please quote

ECZ/INS/101/1

December 26, 2007

Vu

The Permanent Secretary
Ministry of Local Government & Housing
P.O. Box 50027
Lusaka

Attention: Mr. P Lubambo Director -DISS

Dear Sir,

RE: ENVIRONMENTAL PROJECT BRIEF FOR THE IMPROVEMENT OF LIVINGSTONE CITY ROADS BY JAPAN INTERNATIONAL CO-OPERATION AGENCY (JICA)

The above captioned subject refers.

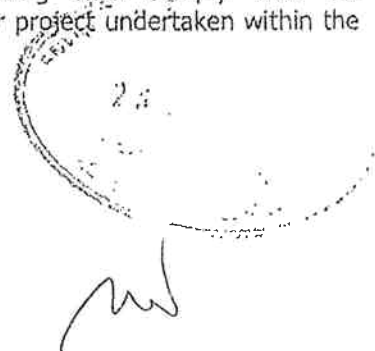
We acknowledge receipt of your letter **MLGH/101/19/8** dated December 4th 2007 in which you submitted a copy of the Environmental Project Brief (EPB) for the above captioned project.

The Environmental Council of Zambia would like to inform you that in 2004 we reviewed and approved with conditions, an Environmental Impact Statement for the Road segment fromimba through to Zimbabwe Border at Victoria Falls.

To this end, we have **no objection** to your proposed project for improvement of Livingstone City Roads with funding from JICA since the said works fall within the segment approved earlier on.

However the no objection is granted subject to the following conditions:

1. Ministry of Local Government and Housing shall implement all the mitigation measures stipulated in the EPB;
2. The Ministry of Local Government and Housing shall comply with the requirements of the Zambia Wildlife Authority for project undertaken within the jurisdiction of National Parks;



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[Signature]

3. The Ministry of Local Government and Housing shall comply with the requirements of the National Heritage and Conservation Commission.
4. Ministry of Local Government and Housing must comply with the following Regulations:
 - a. The Waste Management Regulations (SI No. 71 of 1993);
 - b. The Air Pollution Control Regulations (SI. No. 141 of 1996);
 - c. The Pesticides and Toxic Substances Regulations SI No. 20 of 1994
 - d. The Water Pollution Control Regulations (SI. No. 72 of 1993);
5. In the event that borrow pits are used, Ministry of Local Government and Housing shall inform ECZ of such development and shall furnish ECZ with details relating to location and associated impacts with defined mitigation measures.
6. Bund walls with capacity 110% to that of the fuel storage facilities must be built around the fuel storage facilities at to contain any possible leakages.
7. Sensitization of communities on environmental issues should be done before the commencement of any construction activities or long before the environment is damaged in any way.
8. This approval does not exempt Ministry of Local Government and Housing from complying with other relevant pieces of legislation and regulations;
9. This approval could be withdrawn without notice should Ministry of Local Government and Housing fail to comply with these conditions.

We thank you in anticipation of your usual co-operation.

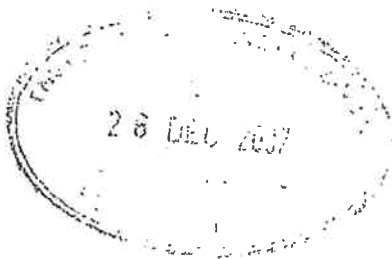
Yours faithfully,



Edward Zulu
Director

ENVIRONMENTAL COUNCIL OF ZAMBIA

Cc. The Town Clerk – Livingstone City Council
The Director – Roads Development Agency, Lusaka



SCHEDULE OF UNDERTAKINGS OF ZAMBIAN SIDE

Item	Unit	Quantity	Amount (M. Kwacha)	Schedule								
				3M	6M	9M	12M	15M	18M			
Undertaking of Japan	Construction of Road			E/N ▽								
Undertaking of Zambia	Removal or Relocation of Street Light	Unit	95	114.0	■	■	■	■	■	■	■	
	Relocation of Water Supply Pipe	Spot	3	24.0				■	■	■	■	■
	Relocation of Sewage Pipe	Spot	3	30.0				■	■	■	■	■
	Relocation of Manhole	Spot	3	2.4				■	■	■	■	■
	Relocation of underground Electric Cable	m	250	20.0			■	■	■	■		
	Construction of underground Electricity lead-in for the new Street Light	m	50	4.0				■	■	■	■	■

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