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## 1. Minutes of Discussions

**Minutes of Discussions  
on the Preliminary Study  
on the Project for Dualling of Nairobi-Dagoreti Corner Road C60/C61  
in the Republic of Kenya**

In response to a request from the Government of the Republic of Kenya (hereinafter referred to as "Kenya"), the Government of Japan decided to conduct a Preliminary Study (hereinafter referred to as "Study") on the Project for Dualling of Nairobi-Dagoreti Corner Road C60/C61 (hereinafter referred to as "the Project"), and entrusted the study to Japan International Cooperation Agency (hereinafter referred to as "JICA").

JICA sent the Preliminary Study Team (hereinafter referred to as "the Team") to Kenya, headed by Mr. Yoshiro KURASHINA, Chief Representative of JICA Regional Support Office for Africa, and was scheduled to stay in the country from August 30<sup>th</sup> to September 17<sup>th</sup>, 2009.

The Team held discussions with officials concerned of the Government of Kenya and conducted a field survey in the study area.

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

Nairobi, September 9, 2009



Yoshiro KURASHINA  
Leader  
Preliminary Study Team  
Japan International Cooperation Agency  
Japan



Eng. M. S. M. KAMAU, CBS, HSC  
Permanent Secretary  
Ministry of Roads  
the Republic of Kenya



Eng. Joseph N. NKADAYO  
Director General & CEO  
Kenya Urban Roads Authority  
the Republic of Kenya

## ATTACHMENT

### 1. Objective of the Project

The objective of the Project is to meet increasing transportation demand and contribute to reduction of traffic jam, especially in the West side of City of Nairobi, through the expansion of Ngong Road in City of Nairobi in the Republic of Kenya.

### 2. Project Site

The Project site is located in City of Nairobi, as shown in Annex-1.

### 3. Responsible and Implementing Organizations

- 3-1. The responsible organization is the Ministry of Roads (MOR).
- 3-2. The implementing organization is Kenya Urban Roads Authority (KURA).
- 3-3. The organization chart of MOR is as shown in Annex-2.
- 3-4. The organization chart of KURA is as shown in Annex-3.

### 4. Items Requested by the Government of Kenya

The original request was for the expansion of Ngong Road: from Dagoreti Corner to the Kenyan National Library Services (4 lanes will be implemented)

However, as a result of discussions, based on urgency and coordination with "Master Plan for Urban Transport in the Nairobi Metropolitan Area" (hereinafter referred to as "NUTRANS Master Plan"), the requested items were confirmed as below:

Expansion of Ngong Road: from Adams Arcade (Elgeyo Marakwet Road Roundabout) to the Junction on Ngong Road/Kenyatta Avenue. (4 lanes will be implemented)(4.7km)

JICA will assess the appropriateness of the above-mentioned component through the Preliminary Study and will report the findings to the Government of Japan. Based on the result of the Study, the Scope of the Basic Design Study for the Project will be determined by the Japanese side.

### 5. Japan's Grant Aid Scheme

- 5-1. The Kenyan side understands the Japan's Grant Aid scheme explained by the Team, as described in Annex-4 and 5.
- 5-2. The Kenyan side will take the necessary measures to facilitate the smooth implementation of the Project, if the Japan's Grant Aid is implemented, according to existing agreement between the Government of Japan and the Government of Kenya.

### 6. Environmental and Social Considerations

The Team explained the outline of JICA Guidelines for Environmental and Social Considerations (hereinafter referred to as "the JICA Guideline") to the Kenyan side. The Kenyan side understood the concept of the JICA Guideline and agreed on reviewing Initial Environment Examination (IEE) and carrying out Environment Impact Assessment (EIA) in accordance with the Kenyan laws and regulations, if necessary.

Regarding the Project Affected Persons (PAPs) alongside the Project sites, the Kenyan side agreed to secure the appropriate budget to be allocated before implementation of the Project. In this regard a Resettlement Action Plan (RAP) will be prepared if necessary.

#### 7. Further Schedule of the Study

- 7-1. The Team will continue further studies in Kenya until 17<sup>th</sup> Sep., 2009.
- 7-2. If the Project is deemed feasible as the result of the Study, the Government of Japan may decide to conduct the Basic Design Study.

#### 8. Other Relevant Issues

- 8-1. The Kenyan side has submitted answers to the Questionnaire, which the Team had handed to the Kenyan side by September 9, 2009.
- 8-2. The Kenyan side shall provide security to all concerned Japanese nationals working for the Project, if deemed necessary.
- 8-3 The Kenyan side shall allocate necessary budget and counterpart personnel for executing the Project including operation and maintenance cost, especially to relocate power cable, telecom, water and sewage.
- 8-4 The Team confirmed with the Kenyan side that since this project is under Grant Aid scheme, the dedicated Bus lanes are not included in the implementation because it is prioritized in the long term plan.
- 8-5 The Team confirmed with the Kenyan side that "preliminary and detailed engineering design of All Saints Cathedral Junction – City Mortuary – Dagoreti Corner – Ngong town (C60/C61) roads – Karen – Bomas roads" (hereinafter referred to as "the Design") supplements NUTRANS Master Plan to ease traffic congestion in City of Nairobi.
- 8-6 The Team confirmed with the Kenyan side that the Design is complete and now in the stage of discussion for adoption by Ministry of Roads.
- 8-7 The Kenyan side promised to give the Japanese side a copy of the Design once it is approved.

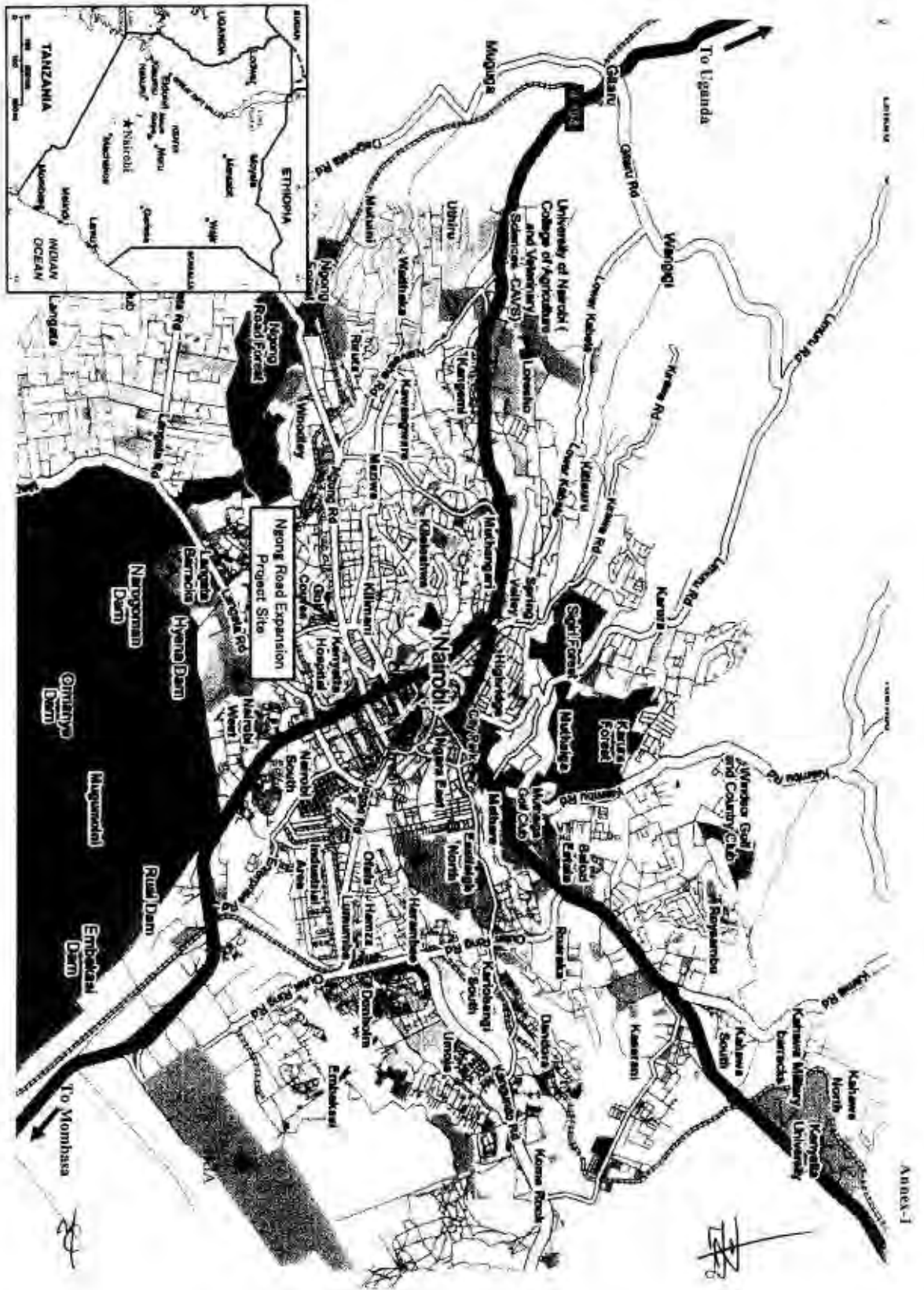
Annex 1: Project site

Annex 2: Organization chart of MOR

Annex 3: Organization chart of KURA

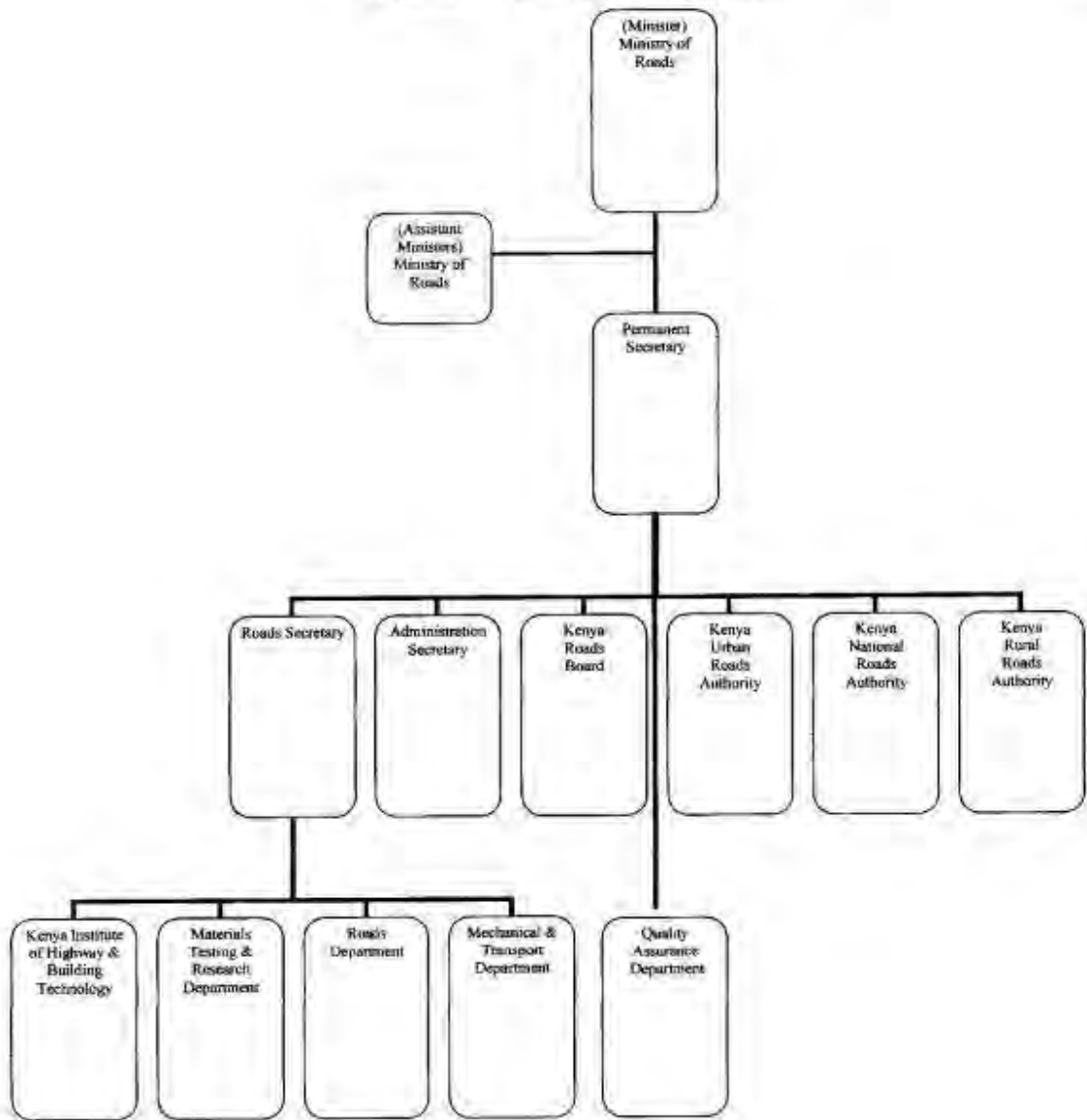
Annex 4: Japan's Grant Aid Scheme

Annex 5: Necessary measures taken by the Kenyan side

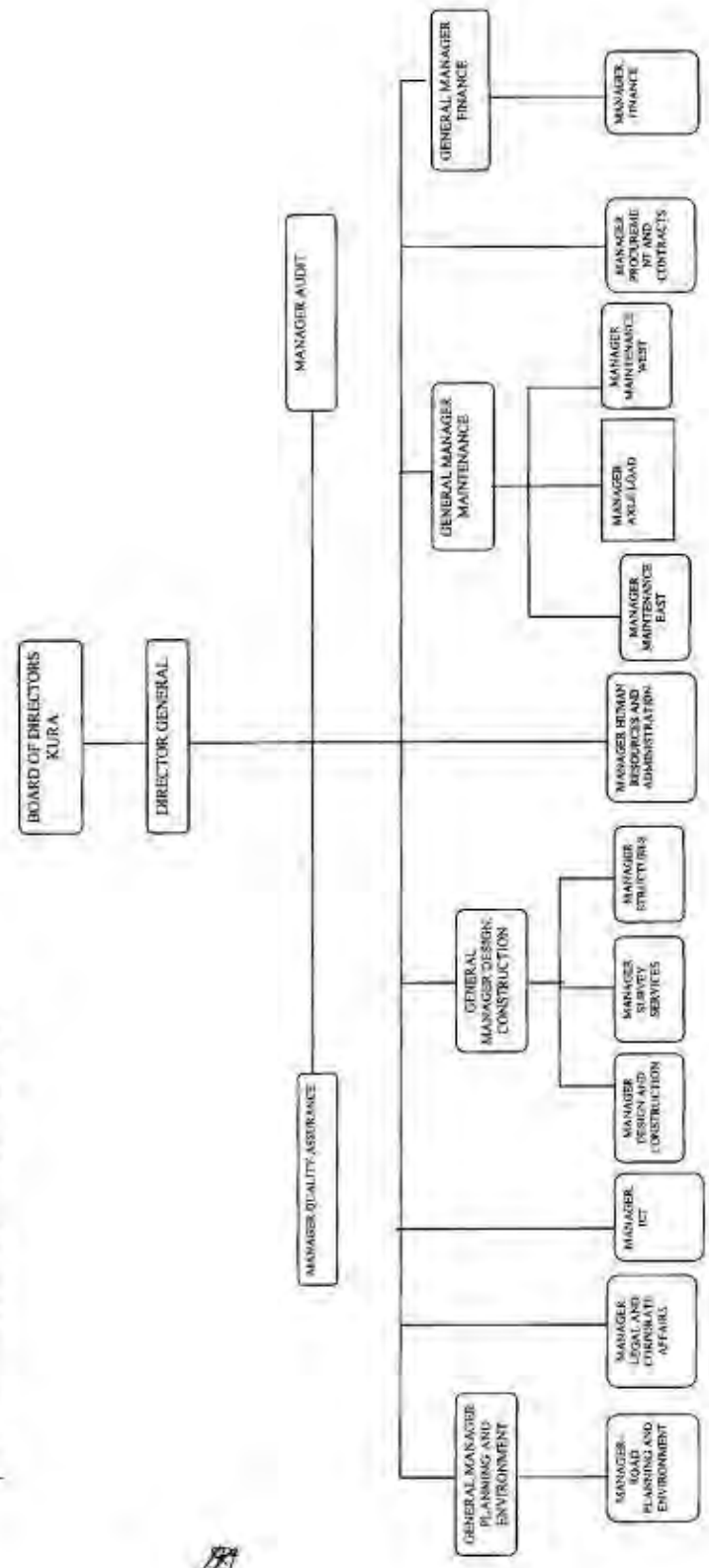


Annex-1

### Organization Chart of Ministry of Roads



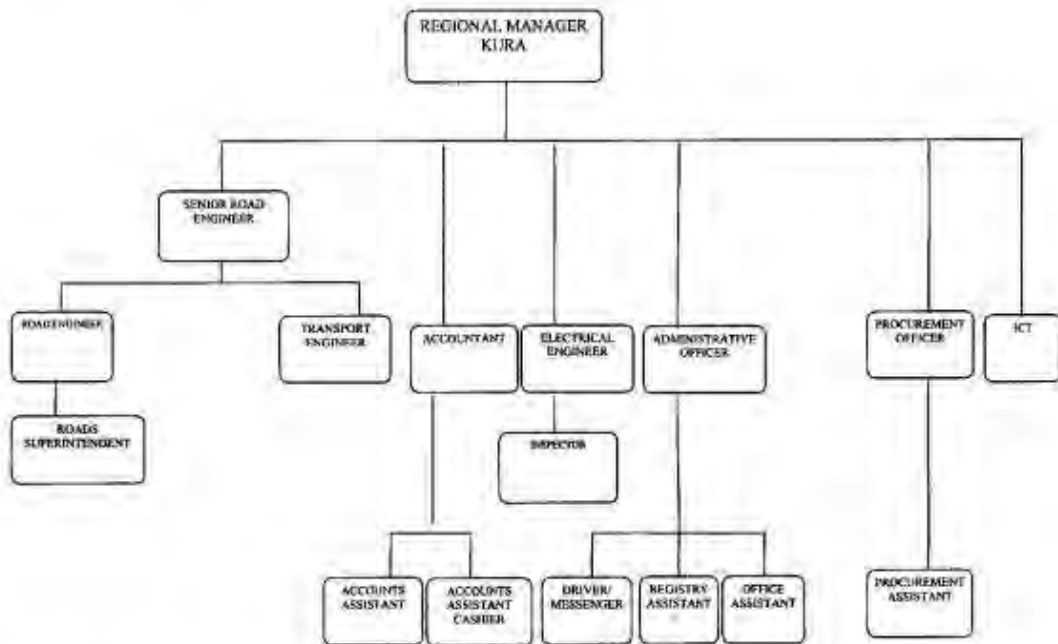
**ORGANIZATION CHART OF KURA**



*[Handwritten signature]*



**Regional Organization Chart of KURA**



*NOTE: Regional Roads Manager reports directly to Director General*

## JAPAN'S GRANT AID

The Government of Japan (hereinafter referred to as "the GOJ") is implementing the organizational reforms to improve the quality of ODA operations, and as part of this realignment, JICA was reborn on October 1, 2008. After the reborn of JICA, following the decision of the GOJ, Grant Aid for General Project is extended by JICA.

Grant Aid is non-reimbursable fund to a recipient country 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

Japanese Grant Aid is conducted as follows-

- Preparatory Survey (hereinafter referred to as "the Survey")
  - The Survey conducted by JICA
- Appraisal & Approval
  - Appraisal by The GOJ and JICA, and Approval by the Japanese Cabinet
- Determination of Implementation
  - The Notes exchanged between the GOJ and a recipient country
- Grant Agreement (hereinafter referred to as "the G/A")
  - Agreement concluded between JICA and a recipient country
- Implementation - Implementation of the Project on the basis of the G/A

### 2. Preparatory Survey

#### (1) Contents of the Survey

The aim of the Survey is to provide a basic document necessary for the appraisal of the Project by JICA and the GOJ. The contents of the Survey are as follows:

- Confirmation of the background, objectives, and benefits of the Project and also institutional capacity of agencies concerned of the recipient country necessary for the implementation of the Project.
- Evaluation of the appropriateness of the Project to be implemented under the Grant Aid Scheme from a technical, financial, social and economic point of view.
- Confirmation of items agreed on by both parties concerning the basic concept of the Project.
- Preparation of a basic design of the Project.
- Estimation of costs of the Project.

The contents of the original request by the recipient country 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 the Japan's Grant Aid scheme.

JICA 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 though 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 Survey, JICA uses (a) registered consulting firm(s). JICA selects (a) firm(s) based on proposals submitted by interested firms.

#### (3) Result of the Survey

The Report on the Survey is reviewed by JICA, and after the appropriateness of the Project is confirmed, JICA recommends the GOJ to appraise the implementation of the Project.

### 3. Japan's Grant Aid Scheme

#### (1) The E/N and the G/A

After the Project is approved by the Cabinet of Japan, the E/N will be signed between the GOJ and the Government of the recipient country to make a plea for assistance, which is followed by the conclusion of the G/A between JICA and the Government of the recipient country to define the necessary articles to implement the Project, such as payment conditions, responsibilities of the Government of the recipient country, and procurement conditions.

#### (2) Selection of Consultants

The consultant firm(s) used for the Survey will be recommended by JICA to the recipient country to also work on the Project's implementation after the E/N and the G/A, in order to maintain technical consistency.

#### (3) Eligible source country

Under the Japanese Grant Aid, in principle, Japanese products and services including transport or those of the recipient country are to be purchased. When JICA and the Government of the recipient country or its designated authority 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, constructing and procurement firms, and the prime consulting firm 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 recipient country or its designated authority will conclude contracts denominated in Japanese yen with Japanese nationals. Those contracts shall be verified by JICA. This "Verification" is deemed necessary to secure accountability to Japanese taxpayers.

#### (5) Major undertakings to be taken by 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 Annex.

(6) "Proper Use"

The Government of recipient country is required to maintain and use the facilities constructed and the 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) "Export and Re-export"

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

(8) Banking Arrangements (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"). JICA 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 JICA under an Authorization to Pay (A/P) issued by the Government of the 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.

(10) Social and Environmental Considerations

A recipient country must ensure the social and environmental considerations for the Project and must follow the environmental regulation of the recipient country and JICA socio-environmental guideline.

(End)



## Major Undertakings to be taken by Each Government

NO	Items	To be covered by the Grant	To be covered by Recipient side
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 bear the following commissions to a bank of Japan for the banking services based upon the B/A		
	1) Advising commission of A/P		•
	2) Payment commission		•
5	To ensure prompt unloading and customs clearance at the port of disembarkation in recipient country		
	1) Marine(Air) transportation of the products from Japan to the recipient country	•	
	2) Tax exemption and customs clearance of the products at the port of disembarkation		•
	3) Internal transportation from the port of disembarkation to the project site	(•)	(•)
6	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 the recipient country and stay therein for the performance of their work		•
7	To exempt Japanese nationals from customs duties, internal taxes and other fiscal levies which may be imposed in the recipient country with respect to the supply of the products and services under the verified contract		•
8	To maintain and use properly and effectively the facilities constructed and equipment provided under the Grant Aid		•
9	To bear all the expenses, other than those to be borne by the Grant Aid, necessary for construction of the facilities as well as for the transportation and installation of the equipment		•

(B/A: Banking Arrangement, A/P: Authorization to pay, N/A: Not Applicable)

## 2. 主要面談者リスト

### 在ケニア日本国大使館

鈴木 武彦 一等書記官

### JICA ケニア事務所

高橋 嘉行 所長

中澤 敏之 インフラ担当

Mr. Steve N. Mogere Monitoring & Evaluation Advisor

### JICA アフリカ地域支援事務所

鈴木 正彦 広域企画調査員・国際協力専門員、運輸交通・地域開発・インフラ担当

Mr. Kizito Ojaamong Consultant (Grant Aid)

### 道路省 (Ministry of Roads : MOR)

1) Eng. M. S. M. Kamau, CBS, HSC, Permanent Secretary

2) Eng. P. M. Nwinzi, Civil Engineer (Roads)

3) Eng. P. C. Kilimo, Roads Secreatry

### ケニア都市道路公社 (Kenya Urban Road Authority: KURA)

1) Eng. Joseph N. Nkadayo, Director General & CEO

2) Eng. Amos O. Onyango, Manager

3) Eng. S. Kinoti, Manager (Roads)

4) Eng. Reuben Mayienda, Manager (Finance)

5) Carolyn Nganga, Manager (Legal & Corporate Affairs)

6) Eng. J. M. Onyinkwa, Manager

7) Eng. Andrew Amayi, Engineer (Roads)

### ケニア国道公社 (Kenya National Highways Authority: KeNHA)

Eng. G. N. Kiiru, Manager (Roads)

### 国土省 (Ministry of Lands: MOL)

Charles M. K. Mwangi, Cartographer, Survey of Kenya

ナイロビ市役所(City Council of Nairobi : CCN)

- 1) Eng. Ms. Christine A. Ogut, Deputy City Engineer
- 2) Eng. Richrad M. Mumo, Chief Assistant Engineer, Estates and Development Control,
- 3) Eng. E. K. Chepkwony, Engineer
- 4) Mr. Wilson Maritim, Director of Environment Deparment
- 5) Mr. Geoffrey Kihoro, Assistant Director, Environment Department
- 6) Mr. Ngobu Mwangi, Environment Department
- 7) Mr. Kainga Mario, Environment Department

EU

Eng. Andrew Gitonga, Project Officer, Transport Infrastructure

World Bank

Josphat Sasia, Senior Economist, Africa Transport







4. 建設業者リスト

**CATEGORY A (Over Kshs. 1Billion)**

NO	NAME OF CONTRACTOR	ADDRESS	PAVED	RESEALING & RECARPETING	BRIDGE CONSTRUCTION	GRAVELLING	REMARKS
1.	REGIS CONSTRUCTION LTD	10188 NAIROBI	A	A	A	-	*
2.	ARAB CONTRACTORS LIMITED	967-00806 NAIROBI	A	A	A	-	*
3.	C & M CONSTRUCTION (K) LIMITED	UNIT 8/9 DULLEEK BUSINESS PARK DULLEEK, CO. MEATH (IRELAND)	A	A	A	-	*
4.	CHINA NATIONAL OVERSEAS ENGINEERING CORPORATION (COVEC) LTD	28 KAREN-NAIROBI	A	A	A	-	*
5.	CHINA ROAD AND BRIDGE	39037 NAIROBI	A	A	A	-	*
6.	CHINA SICHUAN INTERNATIONAL COOPERATION COMPANY LIMITED	18866 NAIROBI	A	A	A	-	*
7.	CHINA WU YI CO. LIMITED	48282-00100NAIROBI	A	A	A	-	*
8.	CHINA JIANGXI INTERNATIONAL KENYA LIMITED	47662 NAIROBI	A	A	A	-	*
9.	DHANJAL BROS LIMITED	82909 MOMBASA	A	A	A	-	*
10.	EVEN AMI LIMITED	49925-00100NAIROBI	A	A	A	-	*
11.	G. ISSAIAS & CO. (K) LIMITED	43500 NAIROBI	A	A	B	C	*
12.	GLENCARRICK CONSTRUCTION (KENYA) LIMITED	856-00600 NAIROBI	A	A	A	-	*
13.	GOGNI RAJOPE CONSTRUCTION CO. LTD	353 KISUMU	A	A	A	C	*
14.	H. YOUNG CO LIMITED	30118 NAIROBI	A	A	B	C	*
15.	HAYER BISHAM SINGH & SONS LTD	253 KISUMU	A	A	B	C	*
16.	INTEX CONSTRUCTION	60293-00200NAIROBI	A	A	B	C	*
17.	KABUITO CONTRACTORS LIMITED	140554-0080NAIROBI	A	A	B	-	*
18.	KIRINYAGA CONSTRUCTION (K) LIMITED	48832-00100NAIROBI	A	A	A	-	*
19.	KUNDAN SINGH CONSTRUCTION LTD	15018 NAIROBI	A	A	B	C	*
20.	POWER CONSTRUCTION EAST AFRICA LIMITED	67138-00200 NAIROBI	A	A	A	-	*
21.	PUT SARAJEVO ENG. CO.	48331-00100NAIROBI	A	A	A	C	*
22.	S.S. MEHTA & SONS LTD	41853-00100 NAIROBI	A	A	B	C	*
23.	SBI INTERNATIONAL HOLDINGS AG	25027-00603NAIROBI	A	A	A	-	*
24.	SINOHYDRO CORPORATION LTD	24446-00100NAIROBI	A	A	A	-	*
25.	TM-AM CONSTRUCTION GROUP (AFRICA)	18424-00500NAIROBI	A	A	B	C	*

**NOTE:** Each of the above listed Companies has an average of the following equipment:-5Bulldozers, 6Motor Graders, 4Excavators, 10Drum & Tyred Rollers, 20Tippers, 4Bitumen Distributors, 2Pavers, 2 Crushing Plants, 1Asphalt Plant.

A Over Kshs. 1Billion  
 B Kshs.500-1Billion  
 C Kshs.250-500Million  
 D Kshs.100-250Million

E Kshs.75-100Million  
 F Kshs.50-75Million  
 G Kshs.25-50Million  
 H Kshs. upto 25Million

**CATEGORY B (Kshs.500Million-1Billion)**

NO	NAME OF CONTRACTOR	ADDRESS	PAVED	RESEALING & RE-CARPETING	BRIDGE CONSTRUCTION	GRAVELLING	REMARKS
1.	A. A BAYUSUF & SONS LIMITED	94024 MOMBASA	B	B	B	C	"
2.	A-JIWA SHAMJI LIMITED	100-40200 KISII	B	B	B	C	"
3.	ASSOCIATED CONSTRUCTION COMPANY LIMITED	31114 NAIROBI	B	B	B	C	"
4.	ASSOCIATED ELECTRICALS & HARDWARE SUPPLIERS LIMITED	89157 MOMBASA	B	B	B	C	"
5.	BRIDGESTONE CONSTRUCTION COMPANY LIMITED	2634 KISUMU	B	B	B	C	"
6.	CEASUD ENGINEERING SERVICES LIMITED	27581 NAIROBI	B	B	B	C	"
7.	CHINA RAILWAYS SEVENTH GROUP COMPANY LTD	34024-00100NAIROBI	B	B	B	C	"
8.	CRESCENT CONSTRUCTION COMPANY LIMITED	49094 NAIROBI	B	B	B	C	"
9.	E.A ROADS RECONSTRUCTION LIMITED	25114 NAIROBI	B	B	B	C	"
10.	FIROZE CONSTRUCTION LIMITED	46048-00100 NAIROBI	B	B	B	C	"
11.	GLOBAL RDE (K) LIMITED	20188 NAIROBI	B	B	B	C	"
12.	KAY CONSTRUCTION COMPANY LIMITED	43114 NAIROBI	B	B	B	C	"
13.	KIMILI HAULIERS LIMITED	11 ELDORET	B	B	B	C	"
14.	MONDOLA LIMITED	64180 NAIROBI	B	B	B	C	"
15.	NUJICA CONSOLIDATED LIMITED	55 MAKUYU	B	B	B	C	"
16.	NYORO CONSTRUCTION COMPANY LIMITED	74416 NAIROBI	B	B	B	C	"
17.	ONGATA WORKS LIMITED COMPANY	53160 NAIROBI	B	B	B	C	"
18.	RAMAN ENTERPRISES LIMITED	39720-00623 NAIROBI	B	B	B	C	"
19.	SAM COMPANY LIMITED	15182-00509 NAIROBI	B	B	B	C	"
20.	SINOE CONSTRUCTION LTD	10189-00100NAIROBI	B	B	B	C	"
21.	SOBETRA (K) LIMITED	58275 NAIROBI	B	B	B	C	"
22.	SPENCON KENYA LIMITED	14284-0080 NAIROBI	B	B	B	C	"
23.	TUSK CONSTRUCTIONS LIMITED	47011 NAIROBI	B	B	B	C	"
24.	VICTORY CONSTRUCTION COMPANY LIMITED	45328 NAIROBI	B	B	B	C	"
25.	WESTRILD GENERAL CONTRACTORS LIMITED	54071-00200 NAIROBI	B	B	B	C	"
26.	WIGOT CONSTRUCTION COMPANY LIMITED	2273 LISUMU	B	B	B	C	"
27.	YU SUNG CONSTRUCTION LIMITED	20154 NAIROBI	B	B	B	C	"

**CATEGORY C (Kshs.250 – 500Million)**

NO	NAME OF CONTRACTOR	ADDRESS	PAVED	RESALING & RECARPETING	BRIDGE CONSTRUCTION	GRAVELLING	REMARKS
1.	BIRDI CIVIL ENGINEERS LTD	5823 NAIROBI	C	C	C	C	Approved
2.	BOSIANGO CONSTRUCTION CO. LTD.	8407-00200 NAIROBI	C	D	C	C	
3.	BUILDMORE CONSTRUCTION CO.LTD	5094 NAIROBI	C	C	C	C	
4.	CHART ENGINEERING ENTERPRISES LIMITED	35017 NAIROBI	C	C	C	C	
5.	COASTAL (K) ENTERPRISES LTD	46925 NAIROBI	C	C	C	C	
6.	COME-CONS AFRICA LIMITED	18429-00500 NAIROBI	C	C	C	C	
7.	DAHIGA SERVICES LIMITED	5391-00100 NAIROBI	C	C	C	C	
8.	DIMKEN (K) LTD BUILDING AND CIVIL ENG. CONTRACTORS	12473-00400 NAIROBI	C	C	C	C	
9.	DON-WOODS LIMITED	73667-00200 NAIROBI	C	C	C	C	
10.	EDRAHIMS M. KASSAM LTD	207 KITUI	C	C	C	C	
11.	ELITE EARTH MOVERS LTD.	1328-02604 NAIROBI	C	C	C	C	
12.	EPCO BUILDERS LTD.	55628-00200 NAIROBI	C	C	C	C	
13.	GASJO CONSTRUCTION CO.LIMITED GICHOKO BUILDING CONTRACTORS & GENERAL MERCHANTS COMPANY LIMITED	73523 NAIROBI					
14.	GOSNI ENTERPRISES LIMITED	25335 NAIROBI	C	C	C	C	
15.	INGRAM CONSTRUCTION ENGINEERING LIMITED	353 KISUMU	C	C	C	C	
16.	ILSAN ENTERPRISES LIMITED	72396-00200 NAIROBI	C	C	C	C	
17.	JOCOT GENERAL CONTRACTORS LIMITED	44941 NAIROBI	C	C	C	C	
18.	JUMA CONSTRUCTION CO. LTD	2027 NYAJURU	C	C	C	C	
19.	KARURI CIVIL ENG (K) LIMITED	28411 NAIROBI	C	C	C	C	
20.	KEGA JAMCO (K) LIMITED	32126 NAIROBI	C	C	C	C	
21.	KIU CONSTRUCTION LTD	89-00100 NAIROBI	C	C	C	C	
22.	KIMEMAH ENG.CONSTR LIMITED	51497-00200 NAIROBI	D	C	D	C	
23.	LEE CONSTRUCTION LIMITED	10594-00100	D	C	D	C	
24.	LIMEIGHT CREATIONS LIMITED	28969 NAIROBI	C	C	C	C	
25.	MACHIRI LIMITED	4963-00505 NAIROBI	C	C	C	C	
26.	MATTAM HARDWARE & CONTRACTORS LIMITED	98075 NAIROBI	C	C	C	C	
27.	MIDROC CONSTRUCTION COMPANY LIMITED	120 MANDEPA	C	C	C	C	
28.	MILESTONE ENGINEERING LIMITED	78805-00507 NAIROBI	C	C	C	C	
29.	MAKURU EXPRESS SUPPLIES & SERVICES LIMITED	57928 NAIROBI	C	C	C	C	
30.	NORTHERN CONSTRUCTION COMPANY LIMITED	15647 NAKURU	C	C	C	C	
31.	OGLE CONSTRUCTION CO.LTD	59196-00522 NAIROBI	C	C	C	C	
32.	PEPCO KENYA LIMITED	327 GARISSA	C	C	C	C	
33.	R.K.SANGANI	21845 NAIROBI	C	C	C	C	
34.	RAFLO SERVICES LIMITED	26239-00504 NAIROBI	C	C	C	C	
35.	RAWFORD WORKS LIMITED	4094 NAKURU	C	C	C	C	
36.	SAMAR TECHNICAL SERVICES LIMITED	3768 ELDORET	C	C	C	C	
37.	SANDHU CONSTRUCTION CO.LTD	63035-00200 NAIROBI	D	D	D	D	
38.	SAYOON INVESTMENT LIMITED	33541 NAIROBI	D	D	D	D	
39.	SHIBLI ENTERPRISES LIMITED	383 MACHAKOS	C	C	C	C	
40.	STAR GENERAL CONTRACTORS (EA) LTD.	16413-00810	C	C	C	C	
41.	SULTAN INVESTMENT LIMITED	74412-00200 NAIROBI	C	C	C	C	
42.	TAI ENTERPRISES LTD	15026-00100 NAIROBI	C	C	C	C	
43.	TAI ENTERPRISES LTD	54430-00200 NAIROBI	C	C	C	C	
44.	TAI ENTERPRISES LTD	11731 NAIROBI	C	C	C	C	
45.	TAI ENTERPRISES LTD	301-30100 ELDORET	C	C	C	C	





5. 道路用地細分 の状況(表、写真)

付属資料 5.1 細分区間：S-1 (Dagoreti Corner - Adams Arcade)

道路区間の概況	2車線道路で区間の長さは約2.2km。ROWは60m。Dagoreti Corner から Adams Arcade まで、ほぼ東西に走る緩やかな下り勾配の道路区間。標高約 1,792m～1,763m。
道路周辺の環境・施設等の状況	北側には、住宅（戸建、集合）、各種教育施設やおよびショッピングセンターなどの商業施設、ガソリンスタンド等が分布する。南側は沿道沿いに政府関係施設（気象庁本部）、教育施設（Kenya Teacher's College）、スポーツクラブとグラウンド（Impala Club、Rugby Union、Kenya National Sports Ground 等）、ガソリンスタンド等が分布し、その背後地には住宅地が連なる。全体として、緑地スペースに恵まれ、比較的開放感のある環境である。
道路用地内の占有・使用状況	既存道路の北側の部分は駐車場用地、種苗園などに使用されている。南側の部分は、Dagoreti バス停付近にユーカリの高木（10本以上）が、かたまりとして緑の空間を構成しているが、その他は緑地及び裸地となっている。ユーティリティは、高圧電線が南側部分に敷設されている。水道管、下水管の位置は不明。
用地確保の必要性	道路省計画（6車線＋歩道）では、ショッピングセンターの駐車場部分や、バス停予定地が対象となるが、本プロジェクト（4車線）では必要なしと考えられる。
備考	当初、「ケ」国側の要請区間であったが、本プロジェクトでは、対象外の区間となった。

	
(S-1-1) 北側のショッピングセンター駐車場	(S-1-2) 南側バス停と北側のガソリンスタンド
	
(S-1-3) 用地内北側を占有する種苗園	(S-1-4) 用地内南側は緑地や空地が続く

付属資料 5.2 細分区間：S-2 (Adams Arcade - Intersection of Ring Road)

道路区間の概況	2車線道路で区間道路長約1.0km、ROWは60m。Adams Arcadeから Intersection of Ring Road まで、S-1と同様に、ほぼ東西に走る緩やかな下り勾配の道路区間。標高約1,763m～1,757m。
道路周辺の環境・施設等の状況	北側は主に集合・戸建て住宅が並び、南側は Adams Arcade や各種ショッピングセンターなど商業施設が分布する。道路周辺には樹木が点在する緑地もあり、比較的開放感のある環境である。
道路用地内の占有・使用状況	既存道路の北側は駐車場スペース、家具展示場、種苗園、土産物ベンダー、樹木、南側部分は樹木、種苗園などが多い。ユーティリティは、高圧電線が用地内南側部分に敷設されている。
用地確保の必要性	道路省計画では、ショッピングセンターの駐車場部分や、バス停予定地が対象となるが、本プロジェクトでは必要なしと考えられる。
備考	

	
(S-2-1) 用地内南側占有の Adams Arcade の店舗	(S-2-2) 用地内北側占有の駐車場スペース
	
(S-2-3) 用地内北側占有の家具店舗	(S-2-4) 南側ショッピングセンターと中古車展示場



付属資料 5.3 細分区間：S-3 (Intersection of Ring Road- Roundabout of City Mortuary)

道路区間の概況	2車線道路で、区間道路長約1.6km、ROWは60m。Ring Roadとの交差点から Nairobi Baptist Church にかけて、緩やかな下り勾配が続き、ウゴン川支流河川のカルバートを通過後 Roundabout of City Mortuary にかけて、上り勾配となる。標高約1,757m～1,727m。
道路周辺の環境・施設等の状況	道路の北側は、教会（Nairobi Baptist Church、Good Shepherd African Church 等）や教育施設が多く、南側はショッピングセンターなどの商業施設、ホテル、集合住宅が並び、青空市場も見られる。ウゴン川支流の小河川は水量が少ないが、種苗園などの貴重な水源になっている。
道路用地内の占有・使用状況	既存道路両側には、ジャカランダ、アカシア、ユーカリ等の樹木が点在し、China Center 前の道路用地にはジャカランダの並木がみられる。また、駐車場スペース、種苗園なども見られる。高圧電線が用地内南側部分に敷設されている。
用地確保の必要性	道路省計画では、駐車場部分、樹木、種苗園や、バス停予定地が対象となるが、本プロジェクトでは必要なしと考えられる。
備考	

	
(S-3-1) 北側の教会(Nairobi Baptist Church)	(S-3-2) カルバートの下を流れる Ugong 川の支流
	
(S-3-3) 用地内北側を占めるジャカランダの並木	(S-3-4) 南側の青空市場 (Missing Link No.12 付近)

付属資料 5.4 細分区間：S-4 (Roundabout of City Mortuary - Ralph Bunch Road Intersection)

道路区間の概況	2車線道路で、区間道路長約0.7kmで、ROWは60m。市葬祭場のラウンドアバウトからRalph Bunch Roadとの交差点にかけて、緩やかな下り勾配が続く。標高約1,731m～1,722m。
道路周辺の環境・施設等の状況	道路の北側は、ナイロビ病院の施設が続き、南側は東アフリカーを誇るケニア国立病院及び医療関連の教育施設が分布しており、ナイロビ市だけでなく、「ケ」国の医療の担う中心の施設がみられるので、医療関係者、学生、患者などが多く往来する場所である。
道路用地内の占有・使用状況	既存道路の北側はナイロビ病院の敷地に接しているが、南側は広く緑地、疎林が占めるスペースとなり、歩道としても利用されている。高圧電線が用地内南側部分に敷設されているが、水道管、下水管の位置は不明。
用地確保の必要性	道路省計画では、緑地、疎林や、バス停予定地が対象となるが、本プロジェクトでは必要なしと考えられる。
備考	

	
(S-4-1) 南側の医療教育施設	(S-4-2) 北側にある Nairobi Hospital
	
(S-4-3) 用地内南側は緑地スペースで歩行路にもなっている	(S-4-4) 南側のバス停は、通学、通院の往来で終始混雑している

付表 5.5 細分区間 : S-5 (Intersection of Ralph Bunch Road- Northerly Corner of Kenya National Library Services)

道路区間の概況	2車線道路で、区間道路長約0.6km。ROWは、Ugong RoadのRalph Bunch Road Intersection - Third Avenue Ugong Corner間(0.4km)が60m、Third Avenue Ugong Corner - Northerly Corner of Kenya National Library Service間が30m(約0.2km)となっている。Ugong RoadのRalph Bunch Roadとの交差点からやや勾配でNational Library Serviceの北側を通過する。標高約1,722m~1,714m。
道路周辺の環境・施設等の状況	道路の北側は、私有地の区画が並び、宿舎、商業ビル、中古車販売展示場などが占める。南側はスポーツクラブ(Nairobi Club)、アカシアなどの疎林、国立図書館などが占める。
道路用地内の占有・使用状況	ROWが30mの区間では駐車場、自動車販売用展示スペース、商業ビル(I&M Bank)の駐車場スペース、政府機関の区画の一部が占有の可能性あり。ROWが60mの区間では、修道女用の宿舎(Consolata Sisters Flora Hostels)、Nairobi Clubなどの区画の一部が占有の可能性あり。ユーティリティは、高圧電線が用地内南側部分に敷設されている。水道管、下水管の位置は不明。
用地確保の必要性	上記のConsolata Sisters Flora Hostels、Nairobi Club、商業ビルなどの区画の一部(建物、駐車場その他のスペース)が、必要の可能性あり。
備考	

	
(S-5-1) 用地内北側を占有する修道女宿泊施設 (Consolata Sisters Flora Hostels)	(S-5-2) 南側に大きな敷地を有する Nairobi Club
	
(S-5-3) 国立図書館横の緑地スペース	(S-5-4) 南側に位置する Traffic Police 本部の敷地

付属資料 5.6 細分区間：S-6 (Intersection of Ragata Road - Haile Selassie Avenue)

道路区間の概況	区間道路長約 0.6km、ROW は Ragata Road 30m、Haile Selassie Avenue 60m。2 車線道路。Ragata Road は水資源灌漑省(Maji House)と Kenya National Library Service の間を通り、環境・天然資源省などの政府機関が入る NHIF Building 前で Haile Selassie Avenue と交差している。Haile Selassie Avenue は、ほぼ東方向に急勾配の坂となっており、ゴルフコース及び Uhuru Park の緑地の間を通り、ナイロビ市中心部を南北に走る Uhuru Highway と交差する。標高約 1,714m～1,700m。
道路周辺の環境・施設等の状況	2つの道路の交差点の東側部分に政府機関のビルが並ぶ以外は、国立図書館周辺の疎林や Railway Golf Club に連なる林などがあり、緑の多い、開放的な環境となっている。
道路用地内の占有・使用状況	NHIF Building の駐車場スペースが、交差点付近約 100mにわたり、用地内を占有。
用地確保の必要性	NHIF Building の駐車場スペース、Ragata Road の角などが、用地確保の対象となる可能性あり。
備考	

	
(S-6-1) Haile Selassie Avenue (正面) と Ragata Road (左側)	(S-6-2) 道路用地内を占有する NHIF ビルの駐車場
	
(S-6-3) Ragata Road で確保が必要な区画	(S-6-4) Haile Selassie Avenue の南側の空地 (ケニア警察用地)



付属資料 5.7 細分区間 : S-7(Northerly Corner of Kenya National Library Service - All Saints Cathedral Junction at Kenyatta Avenue) の状況

道路区間の概況	2車線道路で区間道路長約0.8km、ROWは30m。この区間は、道路は国立図書館(Kenya National Library Service)の北側の角から、Kenyatta Avenueとの交差点へ向けて、「つ」の字型に大きくカーブしつつ、やや急勾配で下っていく形になっている。標高約1,700m~1,682m。
道路周辺の環境・施設等の状況	道路の両側は政府機関(Ministry of Health、Ministry of Transport、Income Tax House等)の建物、敷地が連なり、北東側は、教会(All Saints Cathedral Church)、東側はナイロビ市のUhuru Parkになっている。道路西側は駐車場の整備が行われ、また火災で焼失した刑務所本部の敷地がある。
道路用地内の占有・使用状況	教会の敷地及び政府機関の区画の一部が占有の可能性あり。ユーティリティは、高压電線が用地内南側部分に敷設されている。水道管、下水管の位置は不明。
用地確保の必要性	教会の敷地、政府機関の区画の一部が用地確保の必要の可能性あり。
備考	

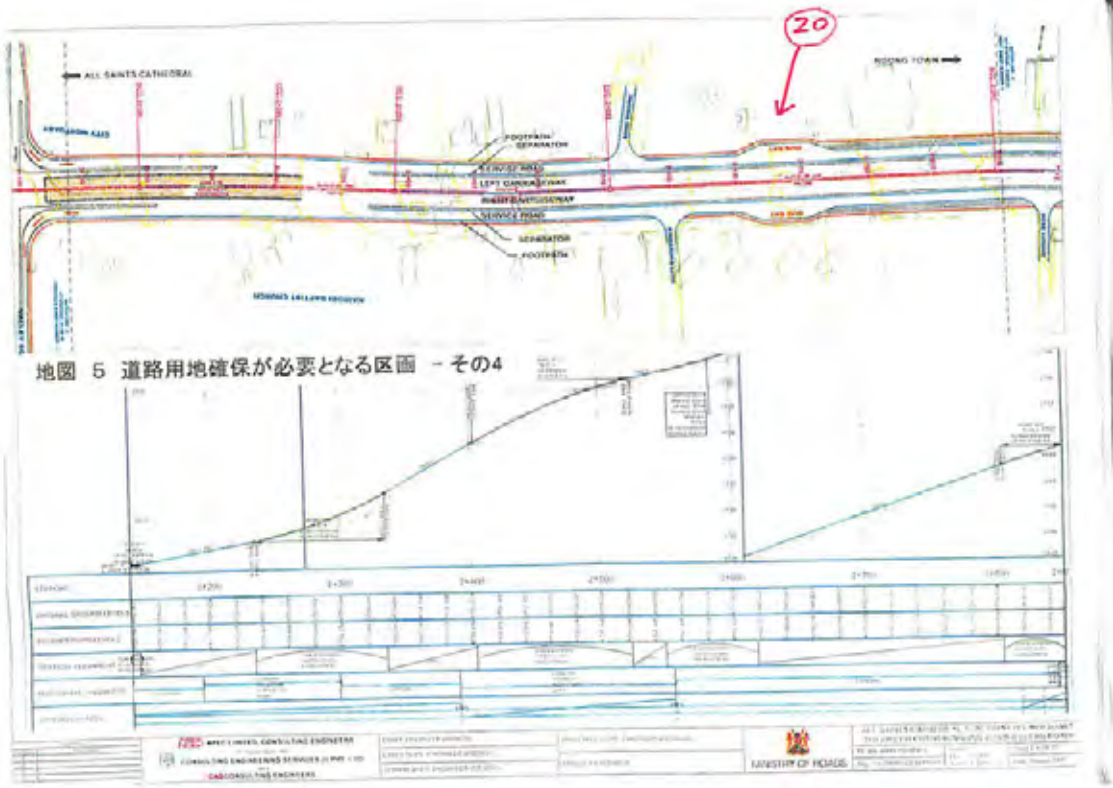
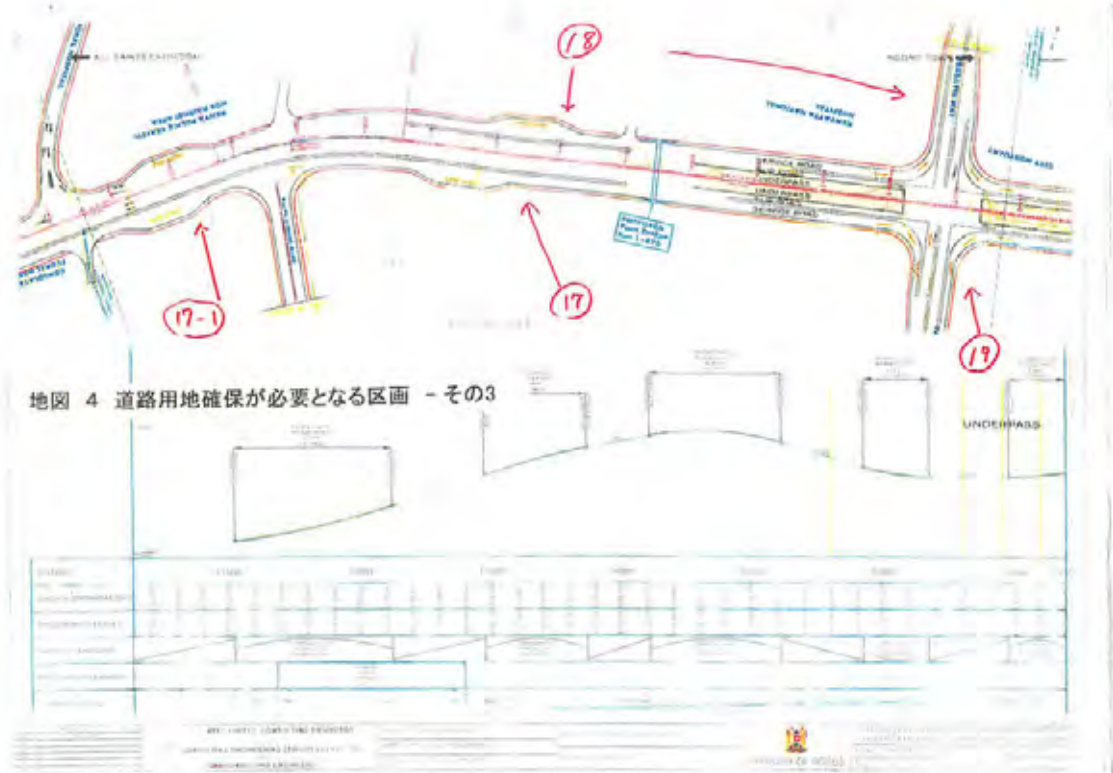
	
(S-7-1) Kenyatta Avenue との交差点	(S-7-2) NSSF ビルと斜面緑地に挟まれた急勾配の道路区間
	
(S-7-3) Kenyatta Avenue の東側斜面の用地	(S-7-4) Kenyatta Avenue と保健省のビル。



6. 道路用地確保の必要の可能性がある地点



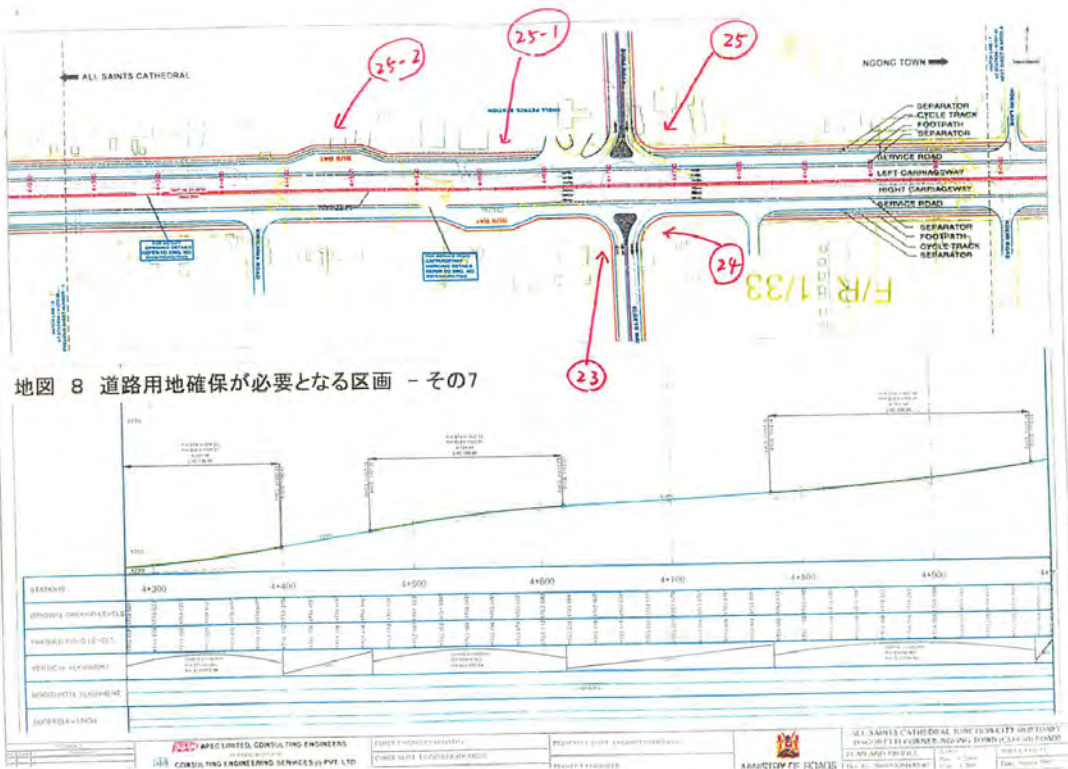
付属資料 6.1 用確保の必要性の可能性がある地点 (その 1, 2)



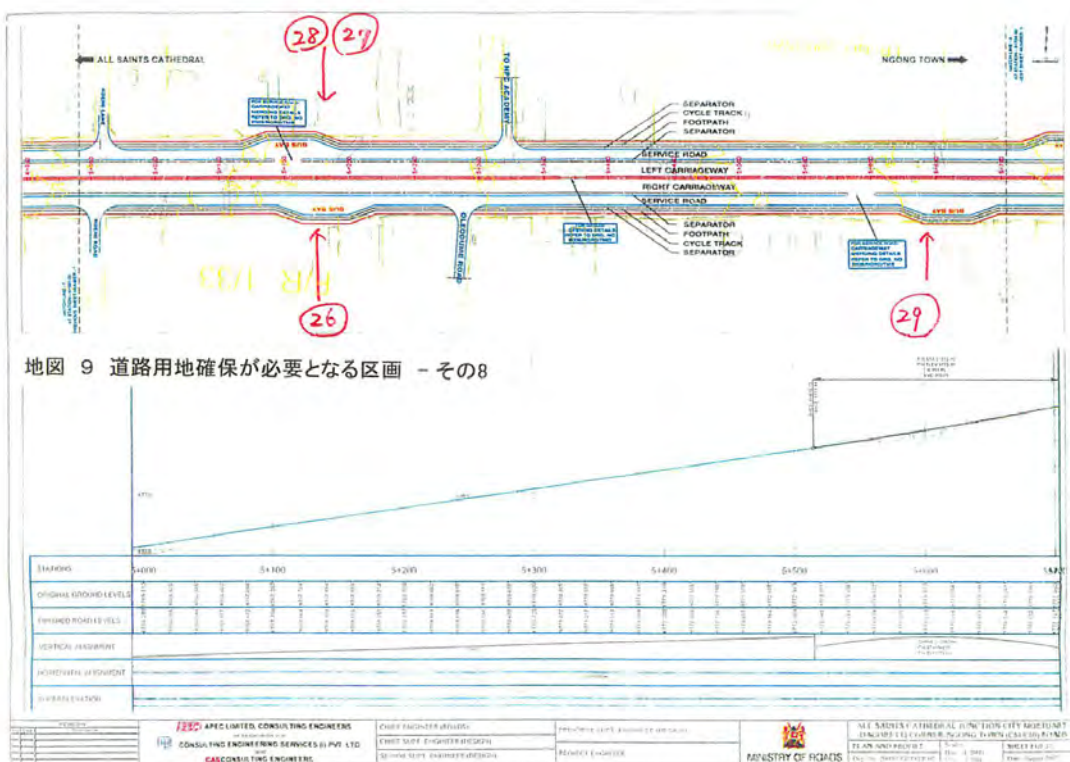
付属資料 6.2 用地確保の必要の可能性のある地点 (その 3, 4)







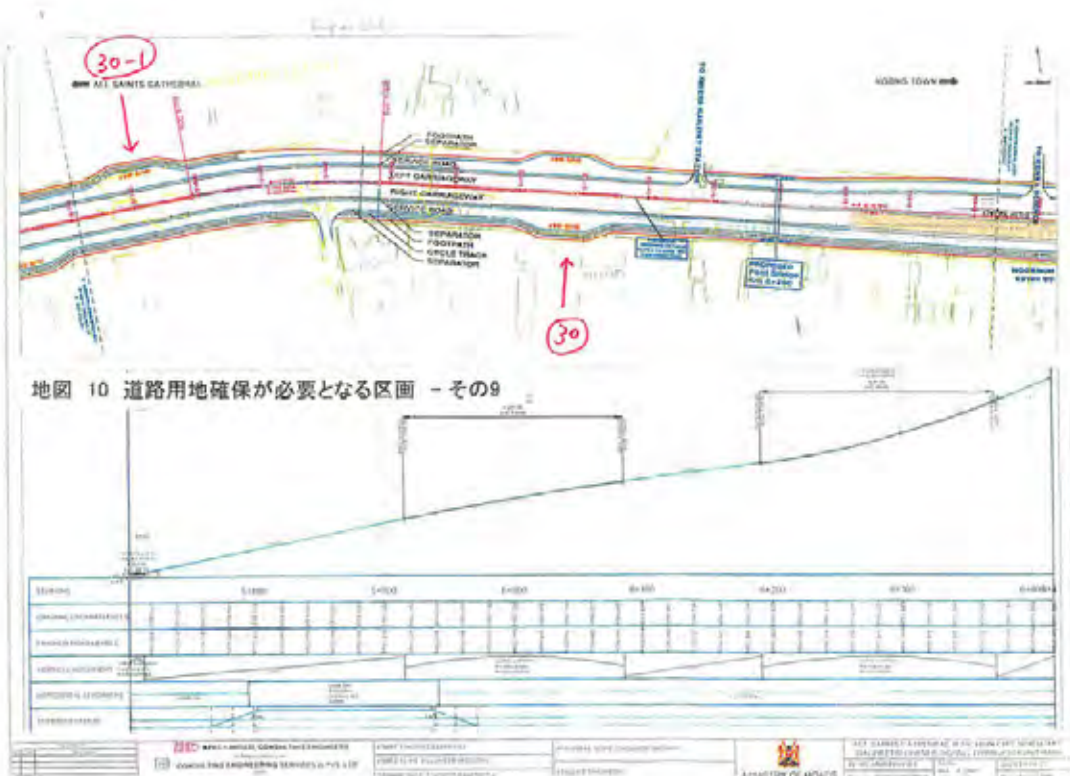
地図 8 道路用地確保が必要となる区画 - その7



地図 9 道路用地確保が必要となる区画 - その8

付属資料 6.4 用地確保の必要の可能性のある地点 (その7,8)





付属資料 6.5 用地確保の必要の可能性がある地点 (その9,10)



7. 収集資料リスト

No.	資料の名称	形態	サイズ	頁数	ホジナル/コピー	発行機関または入手先
1	PRELIMINARY AND DETAILED ENGINEERING DESIGN OF ALL SAINTS CATHEDRAL JUNCTION CITY MOTUARY - DAGORETTI CORNER - NGONG TOWN (C61/C60) ROADS - KAREN - BOMAS ROADS VOLUME I PRELIMINARY DESIGN REPORT (MAIN REPORT)	レポート	A4	173	コピー	MINISTRY OF ROADS, REPUBLIC OF KENYA
2	PRELIMINARY AND DETAILED ENGINEERING DESIGN OF ALL SAINTS CATHEDRAL JUNCTION - CITY MOTUARY - DAGORETTI CORNER - NGONG TOWN (C61/C60) ROADS - KAREN - BOMAS ROADS VOLUME II PRELIMINARY DESIGN REPORT (ANNEXES)	レポート	A4	452	コピー	MINISTRY OF ROADS, REPUBLIC OF KENYA
3	PRELIMINARY AND DETAILED ENGINEERING DESIGN OF ALL SAINTS CATHEDRAL JUNCTION - CITY MOTUARY - DAGORETTI CORNER - NGONG TOWN (C61/C60) ROADS - KAREN - BOMAS ROADS ENVIRONMENTAL & SOCIAL IMPACT ASSESSMENT REPORT	レポート	A4	202	コピー	MINISTRY OF ROADS, REPUBLIC OF KENYA
4	PRELIMINARY AND DETAILED ENGINEERING DESIGN OF ALL SAINTS CATHEDRAL JUNCTION - CITY MOTUARY - NGONG TOWN (C61/C60) ROADS - KAREN - BOMAS ROADS VOLUME IV BOOK OF DRAWINGS	レポート	A3	122	コピー	MINISTRY OF ROADS, REPUBLIC OF KENYA
5	KENYA URBAN ROADS AUTHORITY (KURA) STRATEGIC PLAN 2008-2012	レポート	A4	35	コピー	KENYA URBAN ROADS AUTHORITY
6	Pilot Project under the Study on Master Plan for Urban Transport in the Nairobi Metropolitan Area	パンフ	A4	4	コピー	JAPAN INTERNATIONAL COOPERATION AGENCY
7	The Planning Bulletin JANUARY - JUNE 2009	パンフ	A4	31	コピー	MINISTRY OF STATE FOR PLANNING NATIONAL DEVELOPMENT
8	STATISTICAL ABSTRACT 2008	レポート	A4	323	コピー	KENYA NATIONAL BUREAU OF STATISTICS
9	FIRST MEDIUM TERM PLAN (2008 - 2012) KENYA VISION 2030	レポート	B5	213	コピー	OFFICE OF THE PRIME MINISTER
10	KENYA VISION 2030	レポート	B5	152	コピー	OFFICE OF THE PRIME MINISTER

No	資料の名称	形態	サイズ	頁数	オリジナルコピー	発行機関または入手先
11	The Environmental Impact Assessment (EIA) Study - A Final Report for the Missing Links Roads Nos. 3, 6 and 7 in the City of Nairobi	レポート	A4	158	コピー	AMI Development Services, Limited (2009)
12	The Study on Socio-Economic Impacts and Resettlement Action Plan for the Missing Links Numbers 3, 6 and 7	レポート	A4	38	コピー	City Council of Nairobi (2009)
13	The City of Nairobi Environment outlook Report (CNEOR)(draft)	レポート	A4	102	コピー	City council of Nairobi
14	Economic Survey 2009	レポート	A4	270	コピー	Kenya National Bureau of Statistics
15	Project Paper on a Proposed Additional Financing Credit in the Amount of SDR 172.0 Million (Ks.) to the Republic of Kenya for the Northern Corridor Transport Improvement project	レポート	A4	81	コピー	World Bank (2009.3)
16	Environmental Integration Handbook for EC Development Co-operation	レポート	A4	181	コピー	European Commission
17	Review and Update of Environmental and Social Impact Assessment Report (2006.11)	レポート	A4	68	コピー	APEC Consortium Ltd.