



**Kenya National Highways Authority**

Quality Highways, Better Connections

Project Proponent  
and Sponsor



**中国路桥工程有限责任公司**  
CHINA ROAD AND BRIDGE CORPORATION



**PROJECT MODEL: BUILD OPERATE TRANSFER  
(BOT)**

**ENVIRONMENTAL AND SOCIAL IMPACT  
ASSESSMENT FOR THE PROPOSED  
NAIROBI EXPRESSWAY PROJECT**

**VOLUME II**

**Date: January, 2019**

Report Prepared by;



## 15 ANNEXES

### 15.1 ANNEX 1 CENTRIC NEMA LICENSE AND EXPERTS LICENSES



**NATIONAL ENVIRONMENT MANAGEMENT AUTHORITY(NEMA)  
THE ENVIRONMENTAL MANAGEMENT AND CO-ORDINATION ACT**

**ENVIRONMENTAL IMPACT ASSESSMENT/AUDIT (EIA/EA) PRACTICING LICENSE**

License No : NEMA/EIA/ERPL/9114

Application Reference No: NEMA/EIA/EL/12204

**M/S Centric Africa Limited**  
(individual or firm) of address

P.O. Box 102081-00101, Nairobi

is licensed to practice in the

capacity of a (Lead Expert/Associate Expert/Firm of Experts) **Firm of Experts**  
registration number **7112**

in accordance with the provision of the Environmental Management and Coordination Act Cap 387.

Issued Date: 1/23/2019

Expiry Date: 12/31/2019

Signature.....

(Seal)

 Director General

**The National Environment Management  
Authority**

P.T.O.



ISO 9001: 2008 Certified

FORM 5

(r.14(4))



**NATIONAL ENVIRONMENT MANAGEMENT AUTHORITY (NEMA)  
THE ENVIRONMENTAL MANAGEMENT AND CO-ORDINATION ACT  
CERTIFICATE OF REGISTRATION AS AN ENVIRONMENTAL IMPACT ASSESSMENT/  
AUDIT EXPERT**

Certificate No: NEMA/EIA/RC/386

Application Reference No: NEMA/EIA/ER/1424

This is to certify M/s **CENTRIC AFRICA LIMITED** of

P.O BOX 104559 - 00101 NAIROBI

(Address) has been registered as an Environmental

Impact Assessment Expert in accordance with the provisions of the Environmental Management and

Coordination Act and is authorized to practice in the capacity of a Lead Expert/Associate Expert/Firm of

Experts (Type) **Firm of experts**

Expert Registration No: **7112**

Issued Date : **6/20/2014**

Signature

(Seal)

*Fav* Director-General

The National Environmental Management Authority

P. T. O.



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## 15.2 ANNEX 2: PROJECT LAYOUT AND TECHNICAL BRIEF

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MINISTRY OF TRANSPORT, INFRASTRUCTURE, HOUSING, URBAN DEVELOPMENT AND PUBLIC WORKS



Kenya National Highways Authority

Quality Highways, Better Connections

**NAIROBI EXPRESSWAY PROJECT**



中國路桥工程有限责任公司  
CHINA ROAD AND BRIDGE CORPORATION

# Nairobi Expressway Project

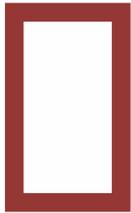


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**1. Scope of Works**

**2. Utilities Relocation**

**3. Land Acquisition**



# 1. Scope of Works

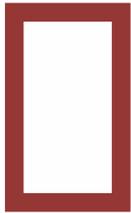
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## Scope of Works

- **Length:** 26.7 km;
- **Roadbed Section:** 15.6 km, Mlolongo to Southern Bypass;
- **Elevated Section:** 11.1 km, Southern Bypass to James Gichuru Rd;
- **No. of Lanes:** 4 lane dual carriageway + 2.5m\*2 emergency lane; 6 lane dual carriageway from Eastern Bypass to Southern Bypass Section;
- **Design Standard:** Class A;
- **Design Speed:** 80 km/h.





## 1.1 Alignment

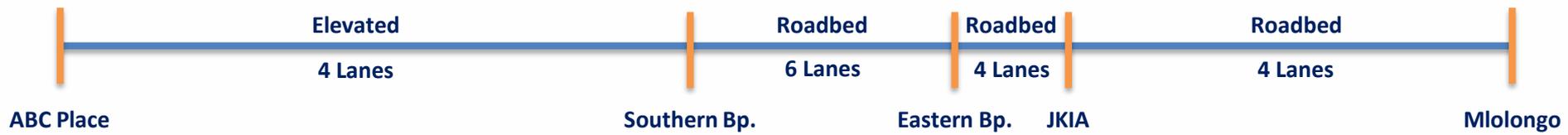
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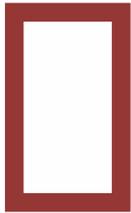


# Scope of Works - Alignment



Layout of the Nairobi Expressway Project





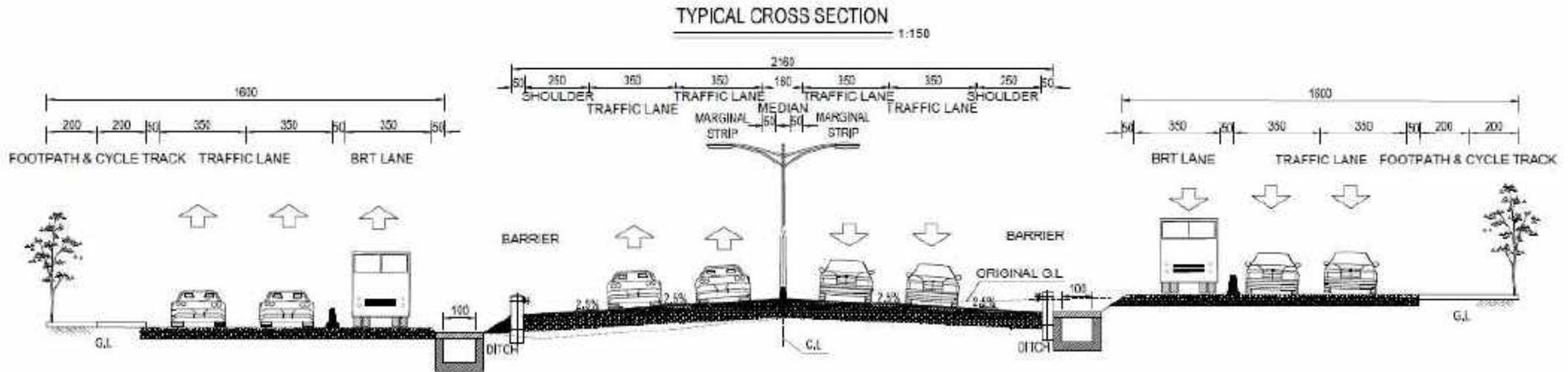
## 1.2 Typical Cross Sections

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## Scope of Works - Typical Cross Section (Mlolongo to Eastern Bypass)

- Width of the Whole Section = 55.6m

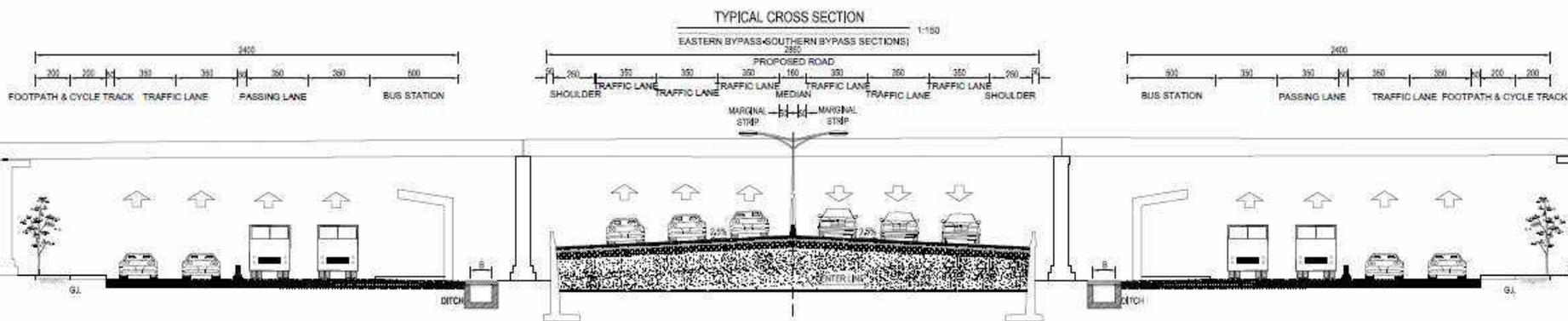


**Expressway:**  $(0.5\text{m barrier} + 2.5\text{m shoulder} + 3.5\text{m} \times 2 \text{ carriageway} + 0.5\text{m barrier}) \times 2 + 0.6\text{m median guardrail} = 21.6\text{m}$

**A8 & BRT:**  $(0.5\text{m} \times 2 \text{ shoulder} + 3.5\text{m} \times 3 \text{ carriageways} + 0.5\text{m barrier} + 2\text{m cycle track} + 2\text{m footpath}) \times 2 = 32\text{m}$

## Scope of Works - Typical Cross Section (Eastern Bypass to Southern Bypass)

- Width of the Whole Section = 86.6m



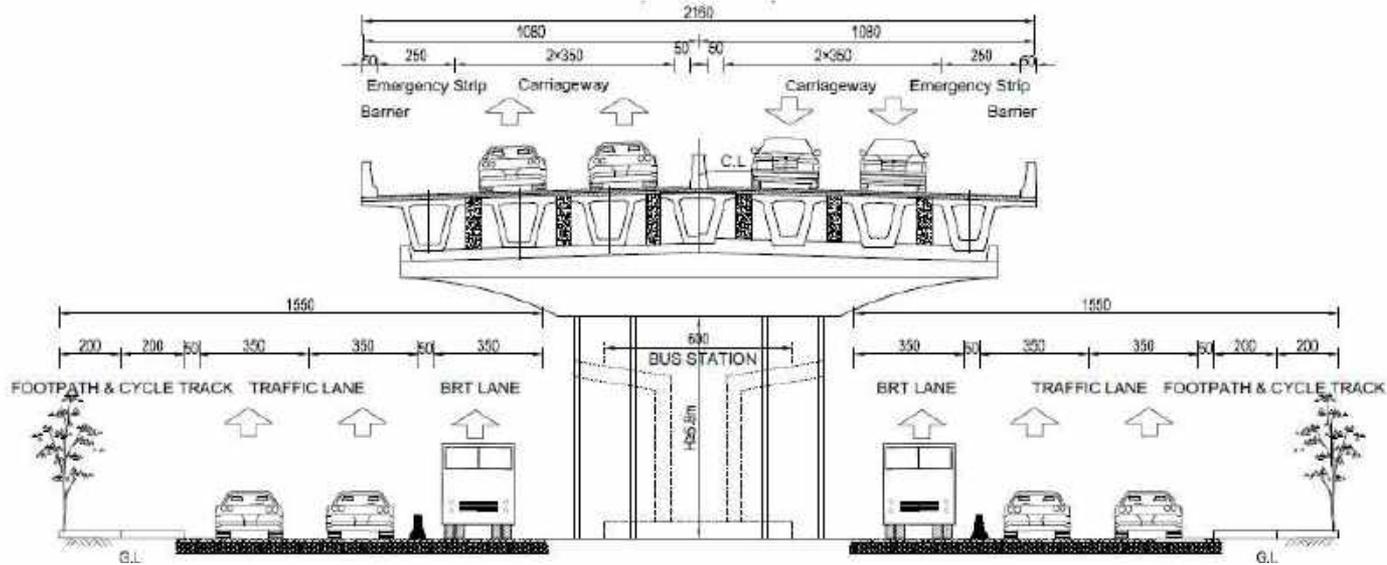
**Expressway:** (0.5m barrier +2.5m shoulder +3.5m ×3 carriageway +0.5m barrier) ×2 + 0.6m median guardrail = 28.6m

**A8 & BRT:** (0.5m shoulder +3.5m ×4 carriageways+0.5m shoulder+ 5m bus station +2m cycle track +2m footpath) ×2=48m



## Scope of Works - Typical Cross Section (Southern Bypass to End)

- Width of the Whole Section = 41m



**Expressway:**  $(0.5\text{m barrier} + 2.5\text{m shoulder} + 3.5\text{m} \times 2 \text{ carriageway} + 0.5\text{m barrier}) \times 2 + 0.6\text{m median guardrail} = 21.6\text{m}$

**A8 & BRT:**  $(0.5\text{m} \times 2 \text{ shoulder} + 3.5\text{m} \times 2 \text{ carriageways} + 3.5\text{m bus lane} + 0.5\text{m shoulder} + 2\text{m cycle track} + 2\text{m footpath}) \times 2 = 31\text{m}$

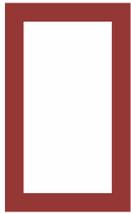


## Roadbed Section – 15.6 km (Mlolongo to Southern Bypass)



## Elevated Section – 11.2 km (Southern Bypass to James Gichuru Rd)





## 1.3 Interchanges

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## Scope of Works - Interchanges

### List of Interchanges

S/N	Chainage	Location	Interval (km)
1	K0+000	Mlolongo (Heavy trucks excluded)	0
	K2+500	Mlolongo	2.5
2	K6+200	SGR Nairobi Terminus	3.7
3	K8+000	JKIA	1.8
4	K10+000	Eastern Bypass	2.0
5	K15+000	Southern Bypass	5.0
6	K17+000	Capital Center	2.0
7	K19+700	Haile Selassie	2.7
8	K22+000	Thika Road	2.3
9	K24+000	Westlands	2.0
10	K26+700	James Gichuru Road	3.0



## Scope of Works – Mlolongo Interchange (K0+000)



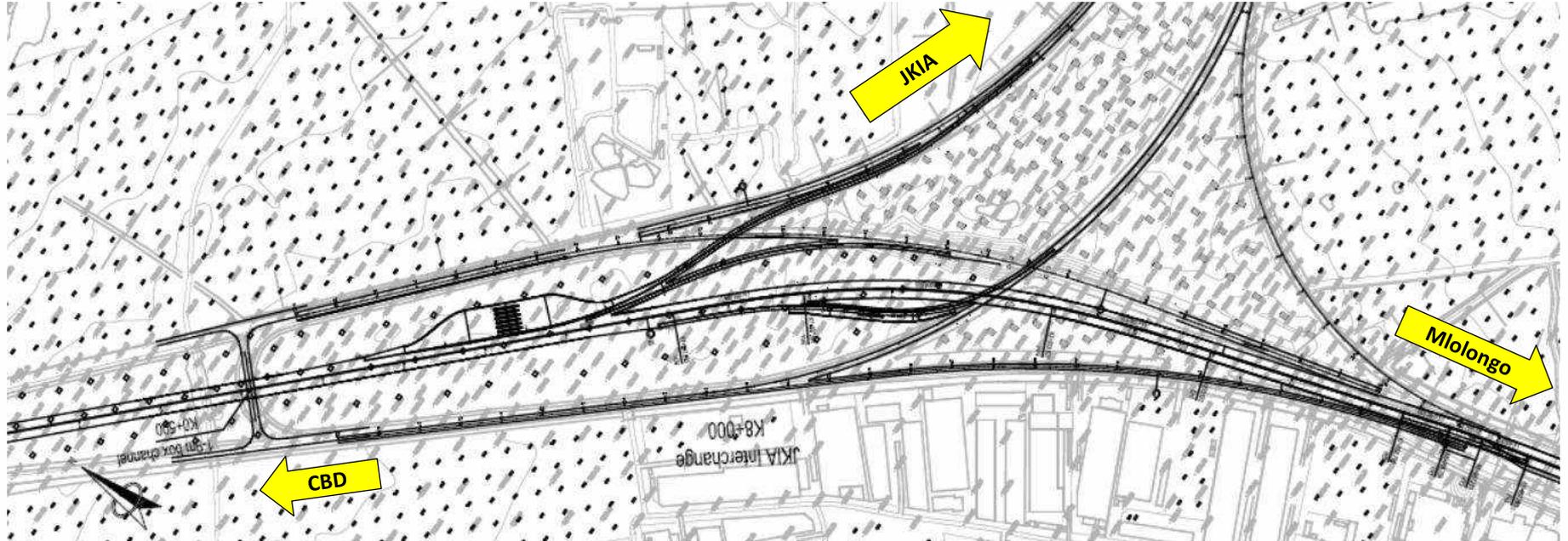
## Scope of Works – Mlolongo Interchange (K2+500)



## Scope of Works – SGR Nairobi Terminus Interchange (K6+200)



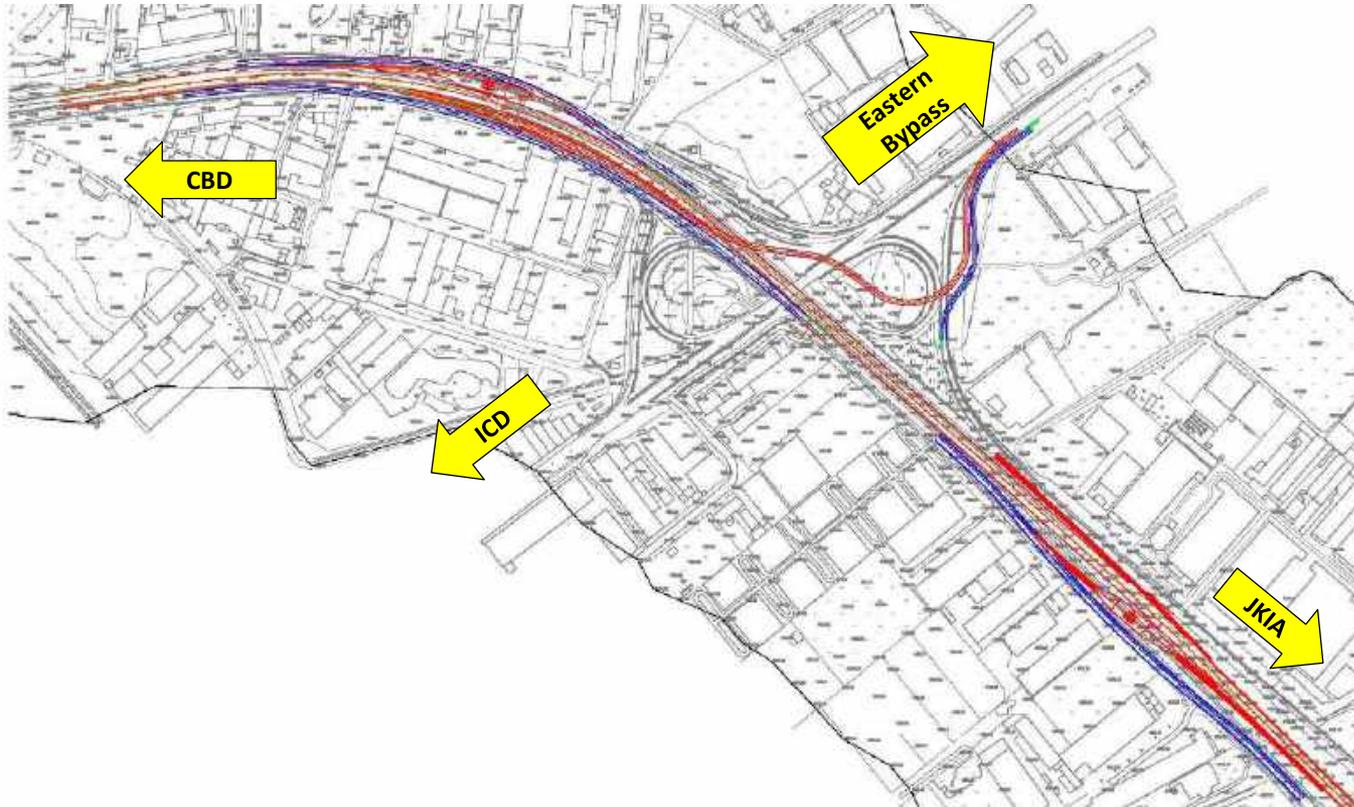
## Scope of Works – JKIA Interchange (K8+000)



## Scope of Works – JKIA Interchange (K8+000)



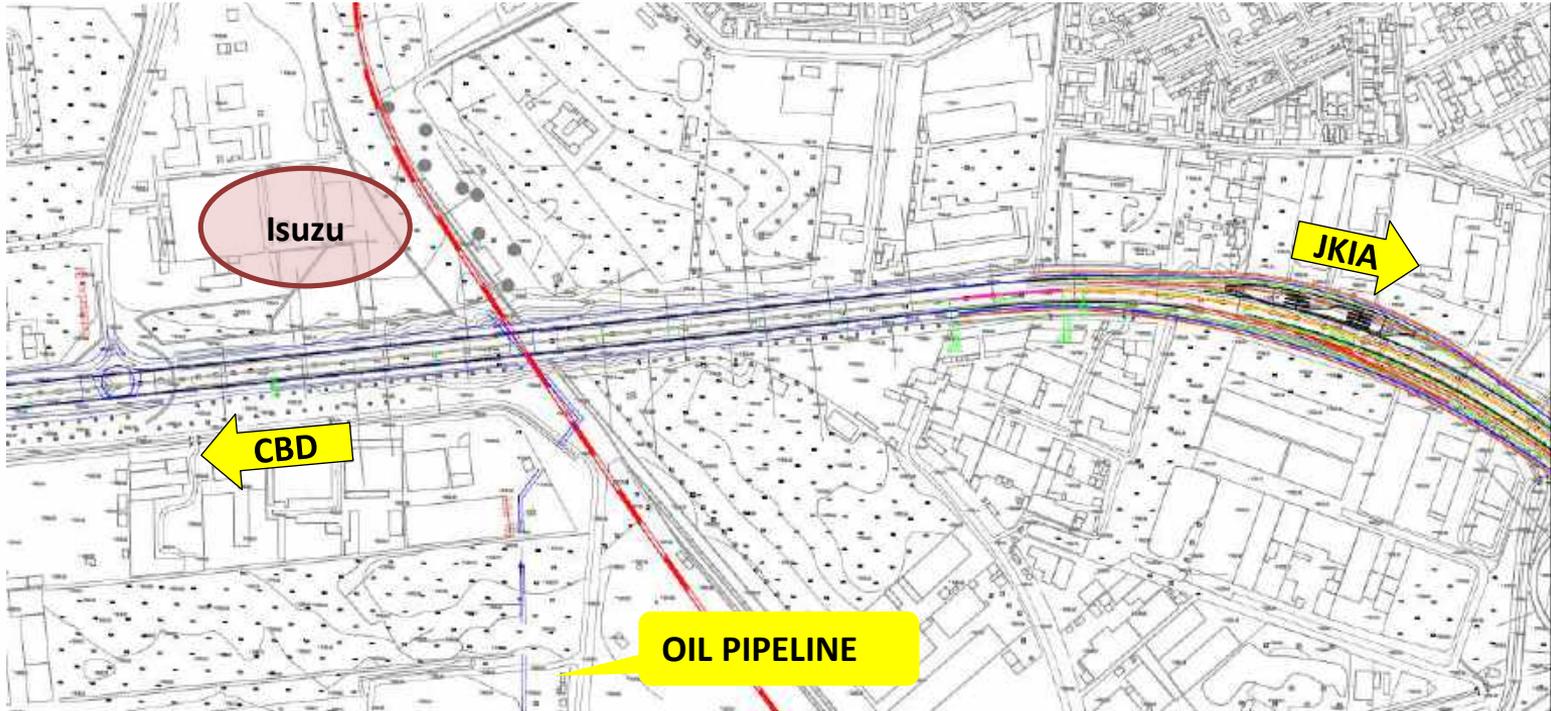
## Scope of Works – Eastern Bypass Interchange (K10+000)



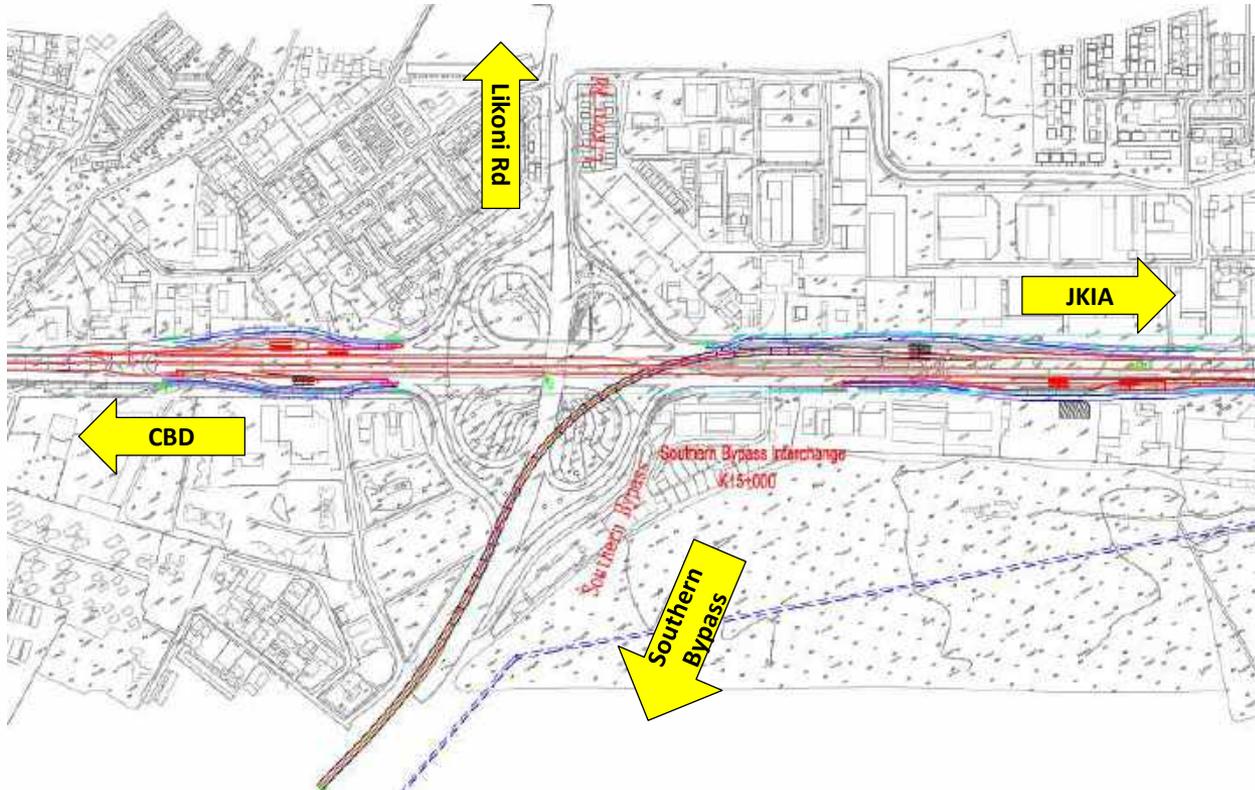
## Scope of Works – Eastern Bypass Interchange (K10+000)



## Scope of Works – Enterprise Road Roundabout (K12+200)



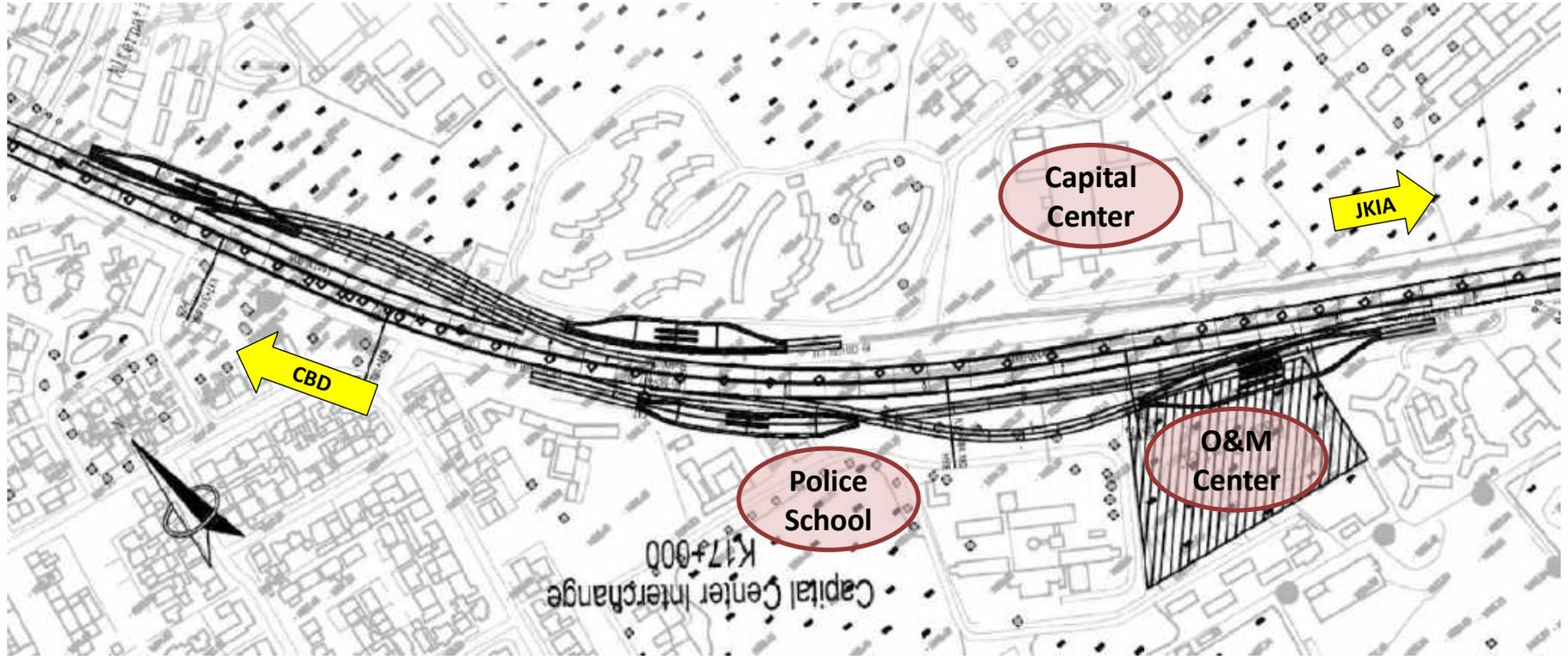
## Scope of Works – Southern Bypass Interchange (K15+000)



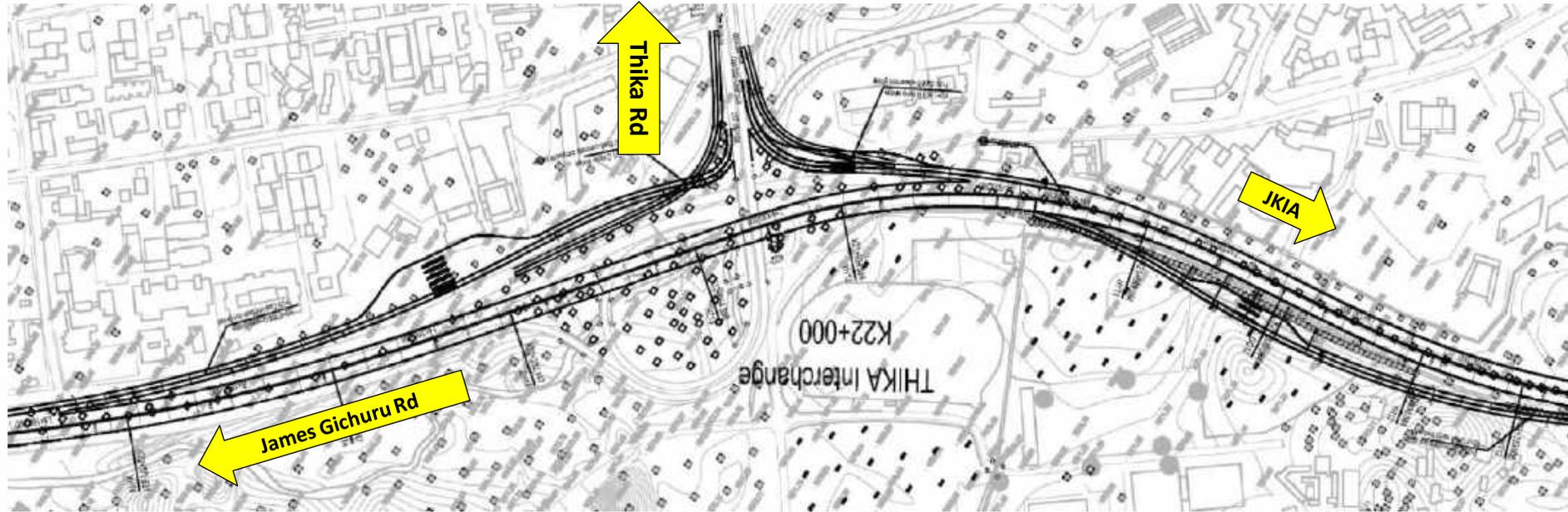
## Scope of Works – Southern Bypass Interchange (K15+000)



## Scope of Works – Capital Center Interchange (K17+000)



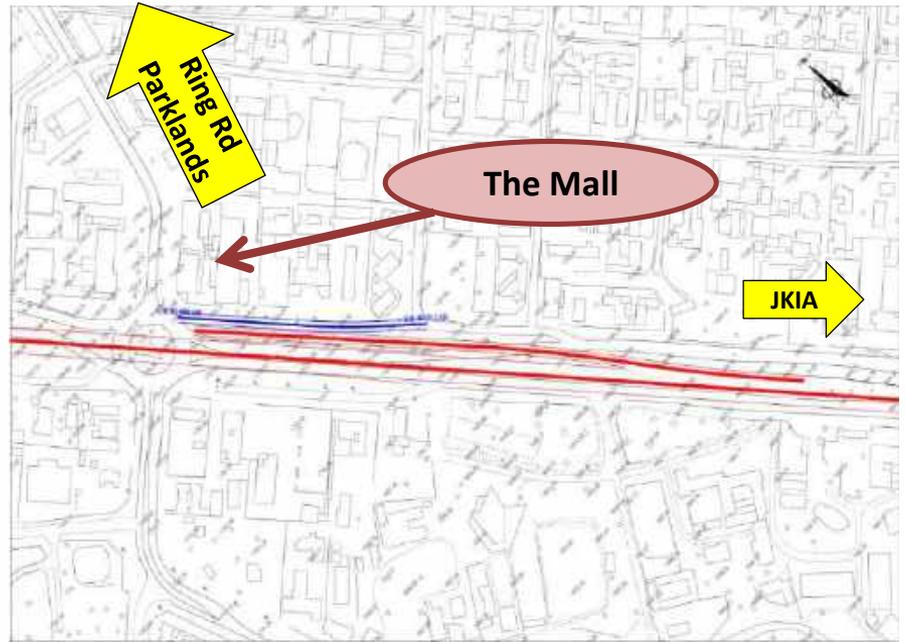
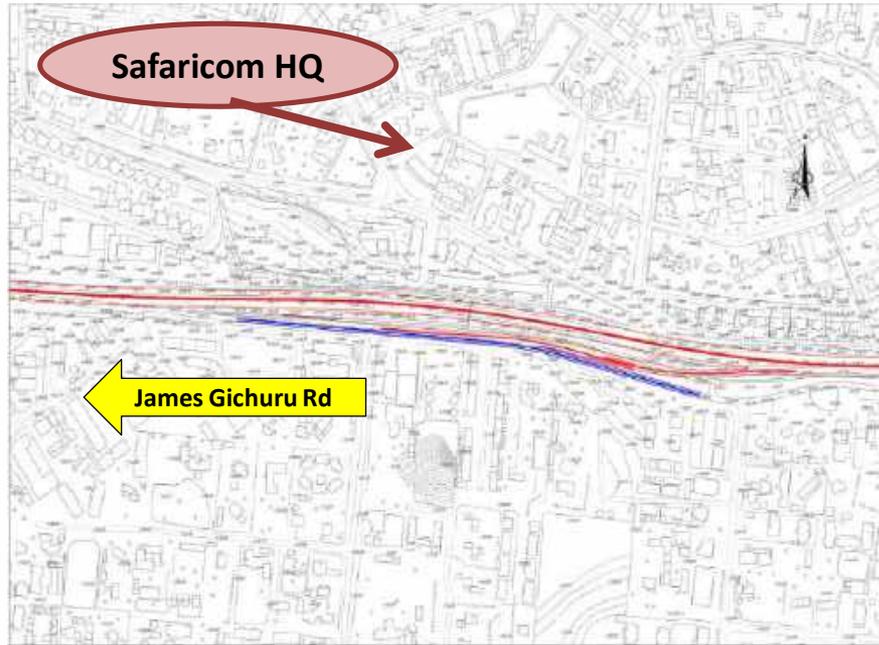
## Scope of Works – Thika Rd Interchange (K22+000)



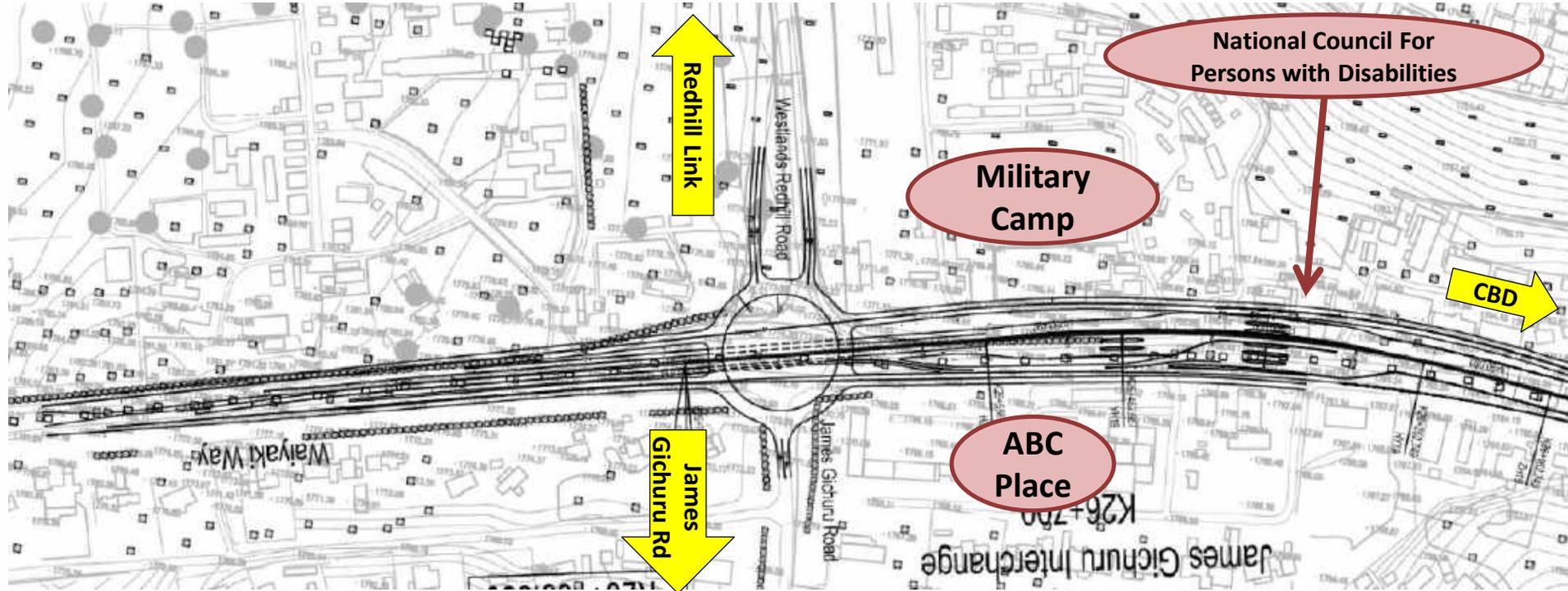
## Scope of Works – Thika Rd Interchange (K22+000)



## Scope of Works – Westlands Interchange (K24+000)

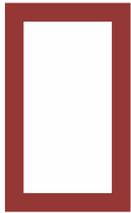


## Scope of Works – James Gichuru Roundabout (K26+700)



## Scope of Works – James Gichuru Roundabout (K26+700)

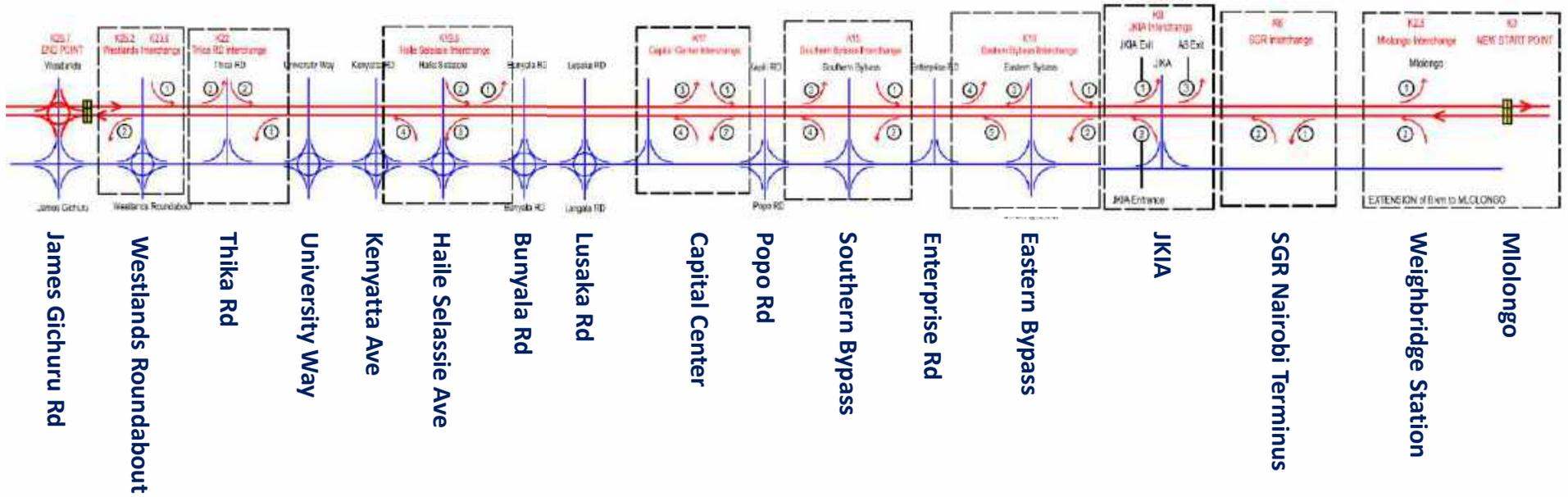




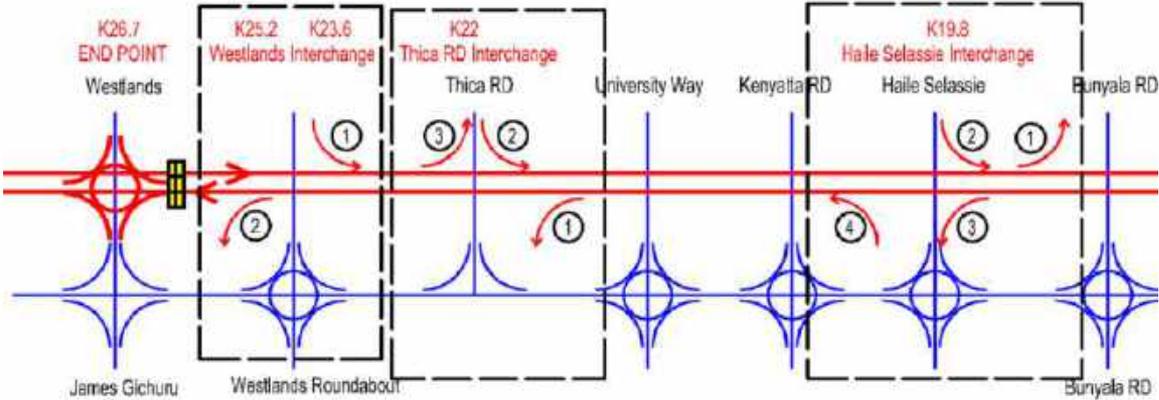
## 1.4 Tolling System

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# Scope of Works – Tolling System

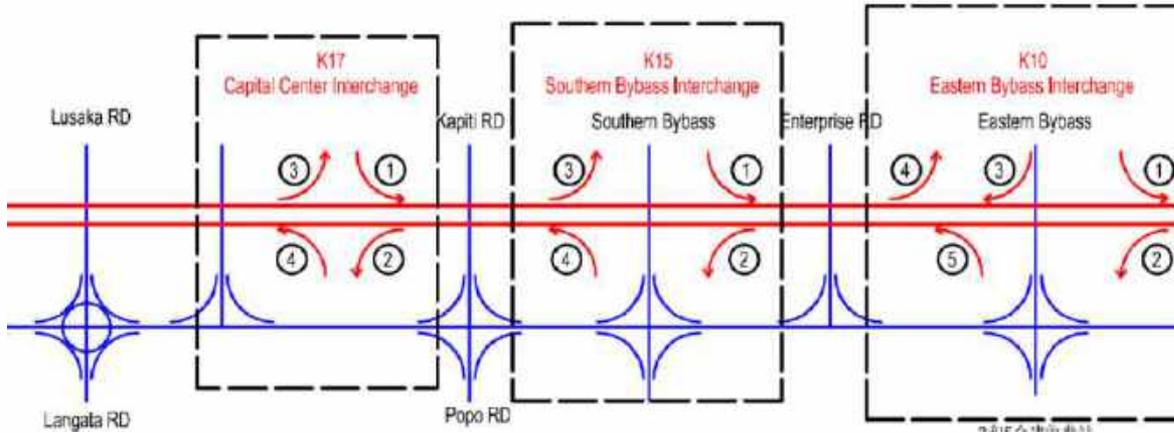


# Scope of Works – Tolling System



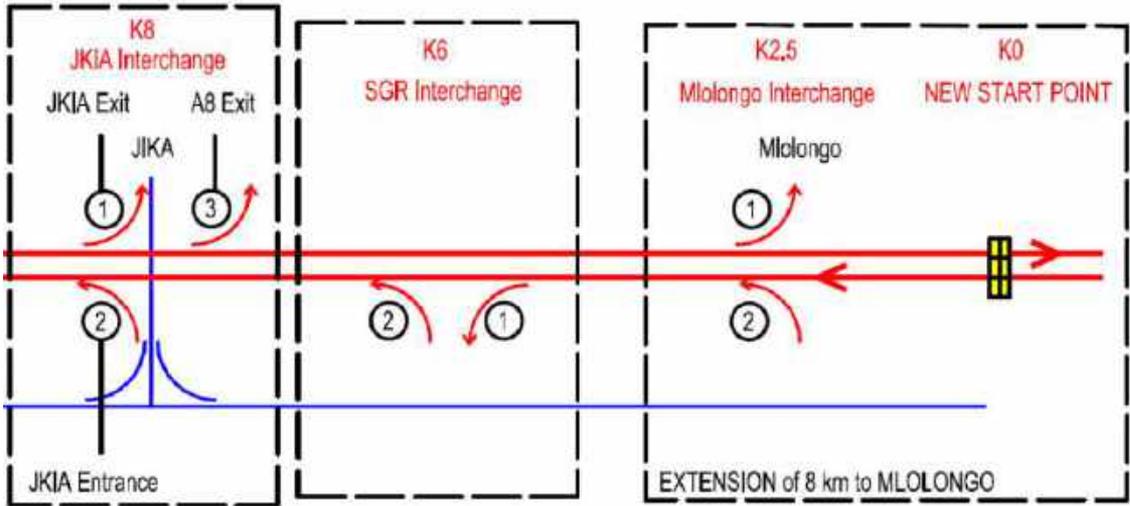
Toll Booth		Number of Lanes		
		ETC	MTC	Total
End Point	Entrance	1	1	2
	Exit	1	5	6
Westlands	1-entrance	1	2	3
	2-exit	1	1	2
Thika Rd	1-exit	1	3	4
	2-entrance	1	2	3
	3-exit	1	4	5
Halle Selassie	1-exit	1	1	2
	2-entrance	1	1	2
	3-exit	1	3	4
	4-entrance	1	1	2

# Scope of Works – Tolling System

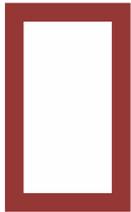


Toll Booth		Number of Lanes		
		ETC	MTC	Total
Capital Center	1-entrance	1	1	2
	2-exit	1	4	5
	3-exit	1	2	3
	4-entrance	1	1	2
Southern Bypass	1-entrance	2	2	4
	2-exit	3	2	5
	3-exit	1	4	5
	4-entrance	1	2	3
Eastern Bypass	1-entrance	1	1	2
	2-exit	1	2	3
	3-entrance	1	2	3
	4-exit	2	4	6
	5-entrance	1	1	2

# Scope of Works – Tolling System



Toll Booth		Number of Lanes		
		ETC	MTC	Total
JKIA	1-exit	1	2	3
	2-entrance	1	1	2
	3-exit	1	3	4
	4-entrance	1	2	3
	5-exit	1	1	2
Mlolongo	1-exit	1	1	2
	2-entrance	1	1	2
Starting Point	Entrance	1	1	2
	Exit	1	3	4



## 2. Utilities Relocation

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## Relocation of Utilities

SN.	Stakeholder	Utilities in the Corridor	Timeline
1	NWSC	Water Pipelines	Dec. 2019
2	MAVWASCO	Water Pipelines	Dec. 2019
3	KPC	Petroleum Pipelines	Dec. 2019
4	KPLC	Power transmission lines	Dec. 2019
5	Safaricom	Optical Fiber Cable	Dec. 2019
6	Telkom	Optical Fiber Cable	Dec. 2019
7	Wananchi	Optical Fiber Cable	Dec. 2019
8	Millenia Ltd	Optical Fiber Cable	Dec. 2019
9	JTL	Optical Fiber Cable	Dec. 2019
10	Internet Solutions	Optical Fiber Cable	Dec. 2019
11	FON	Optical Fiber Cable	Dec. 2019
12	Eaton Towers	Optical Fiber Cable	Dec. 2019
13	Liquid Telecom	Optical Fiber Cable	Dec. 2019



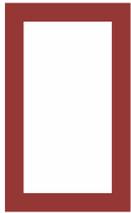








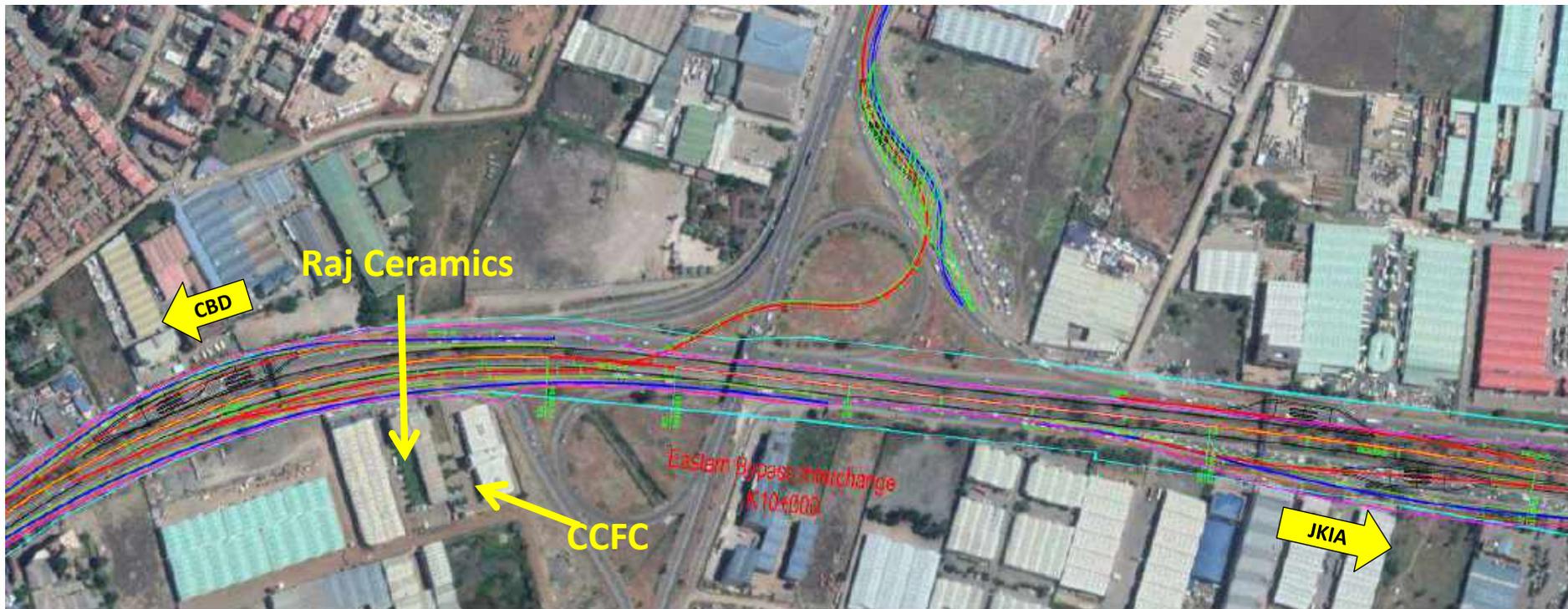




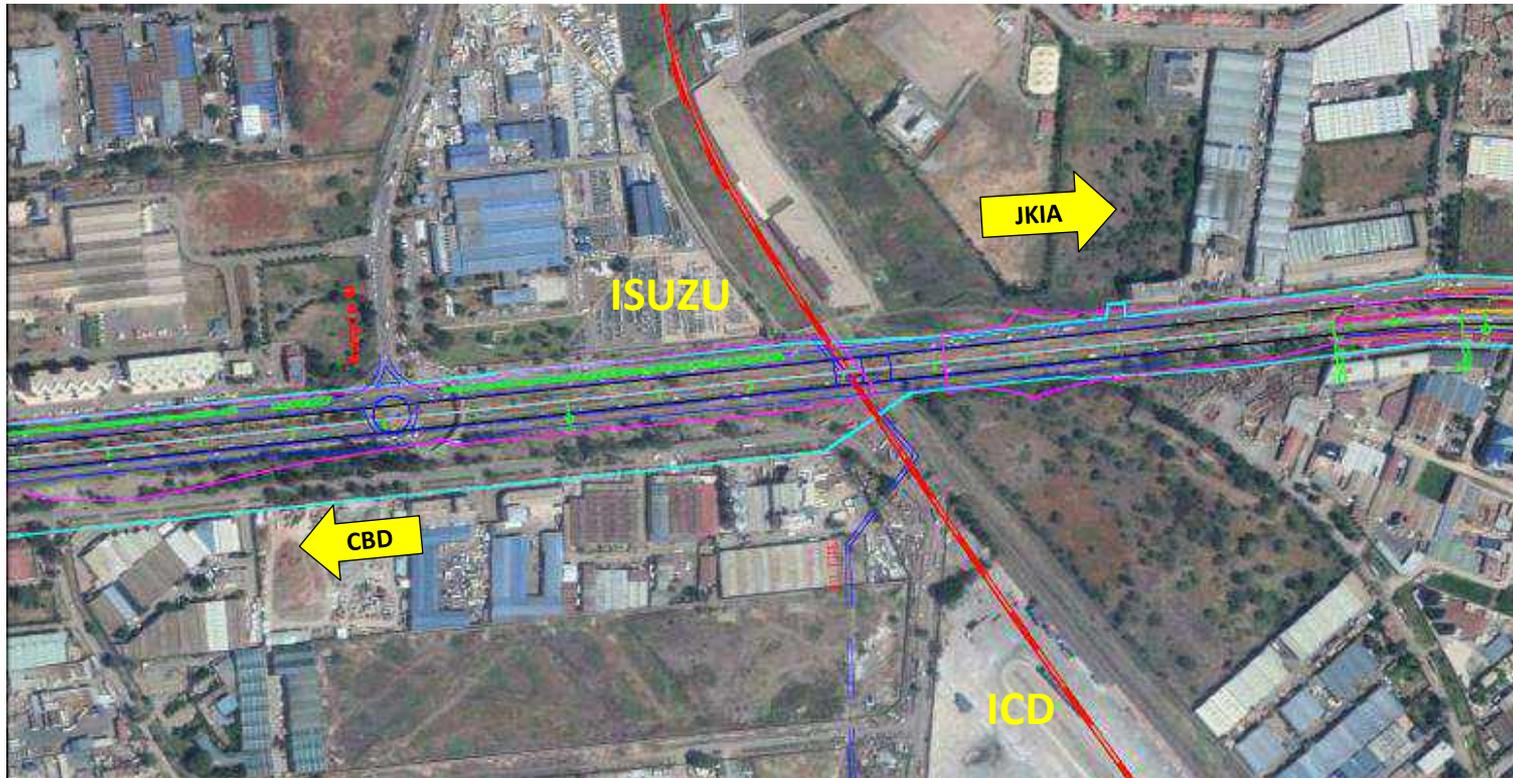
## 3. Land Acquisition

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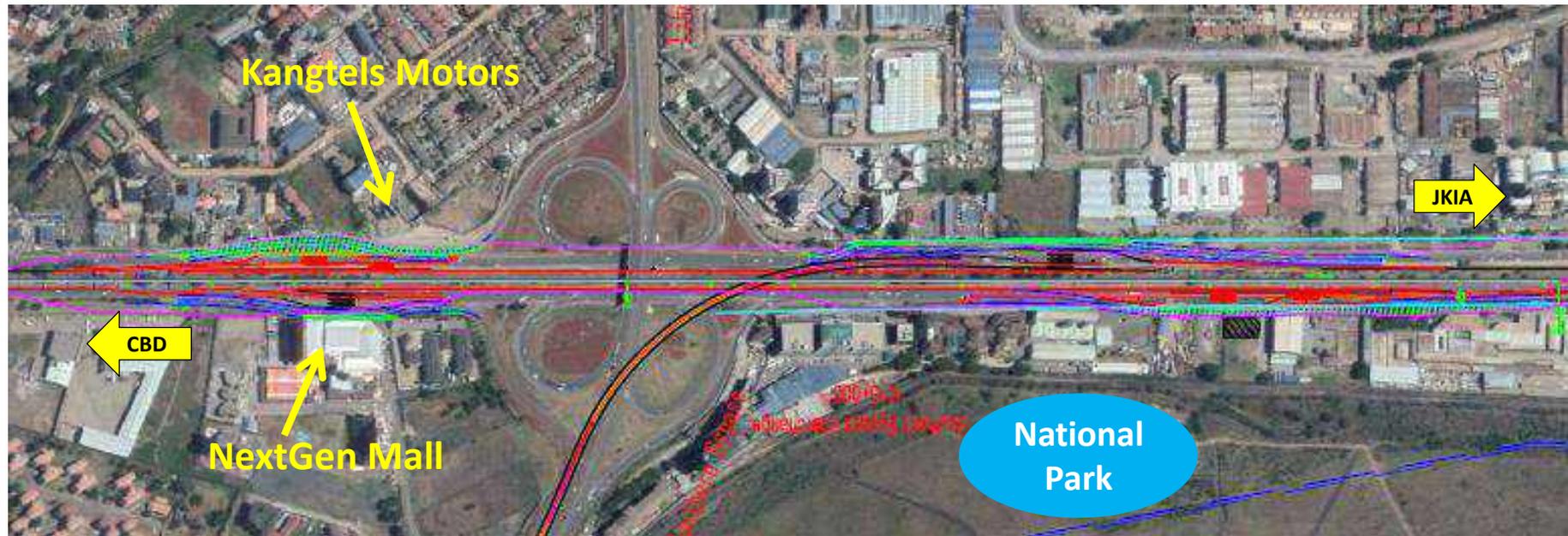
## Land to be acquired – Eastern Bypass



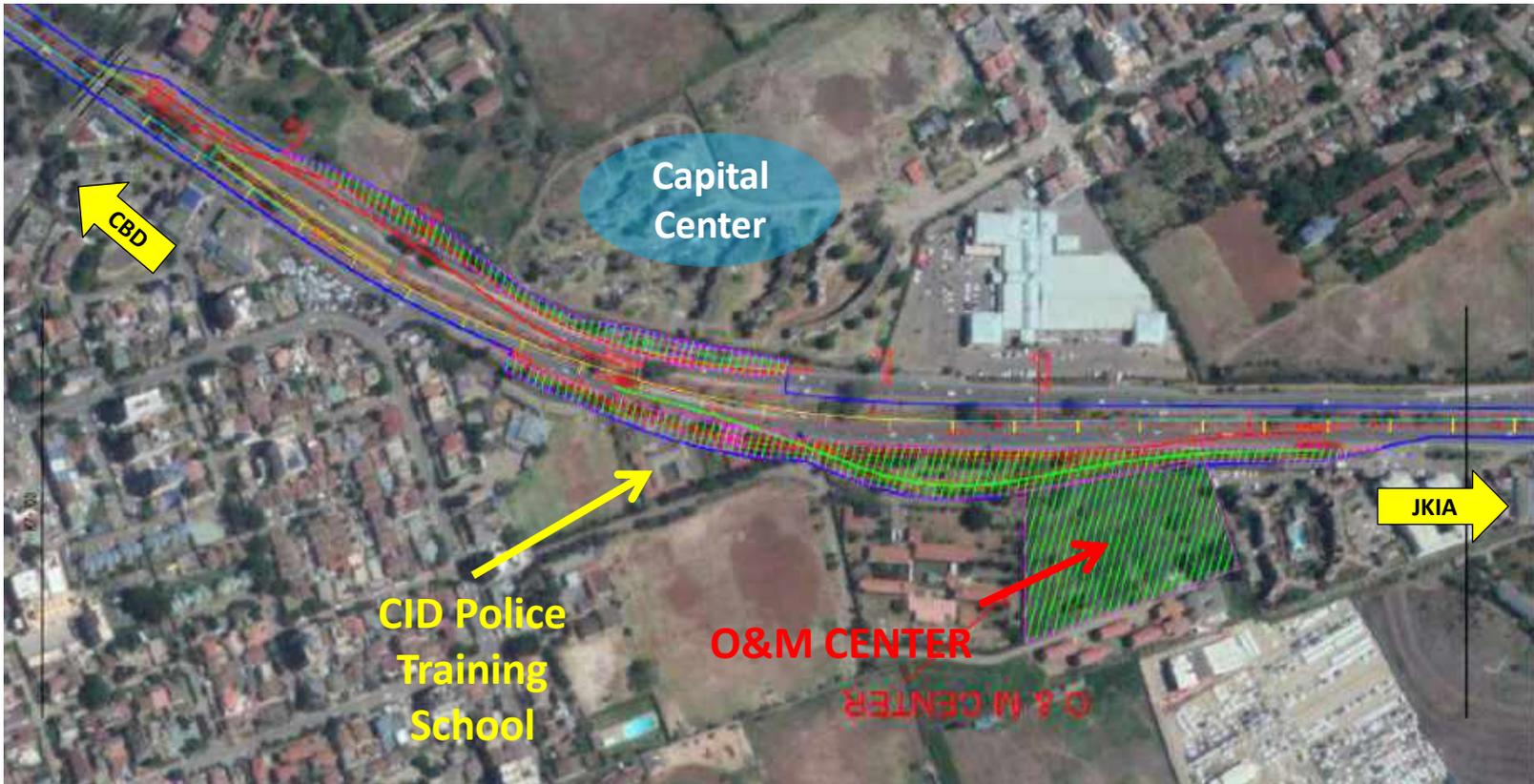
## Land to be acquired – MGR Bridge



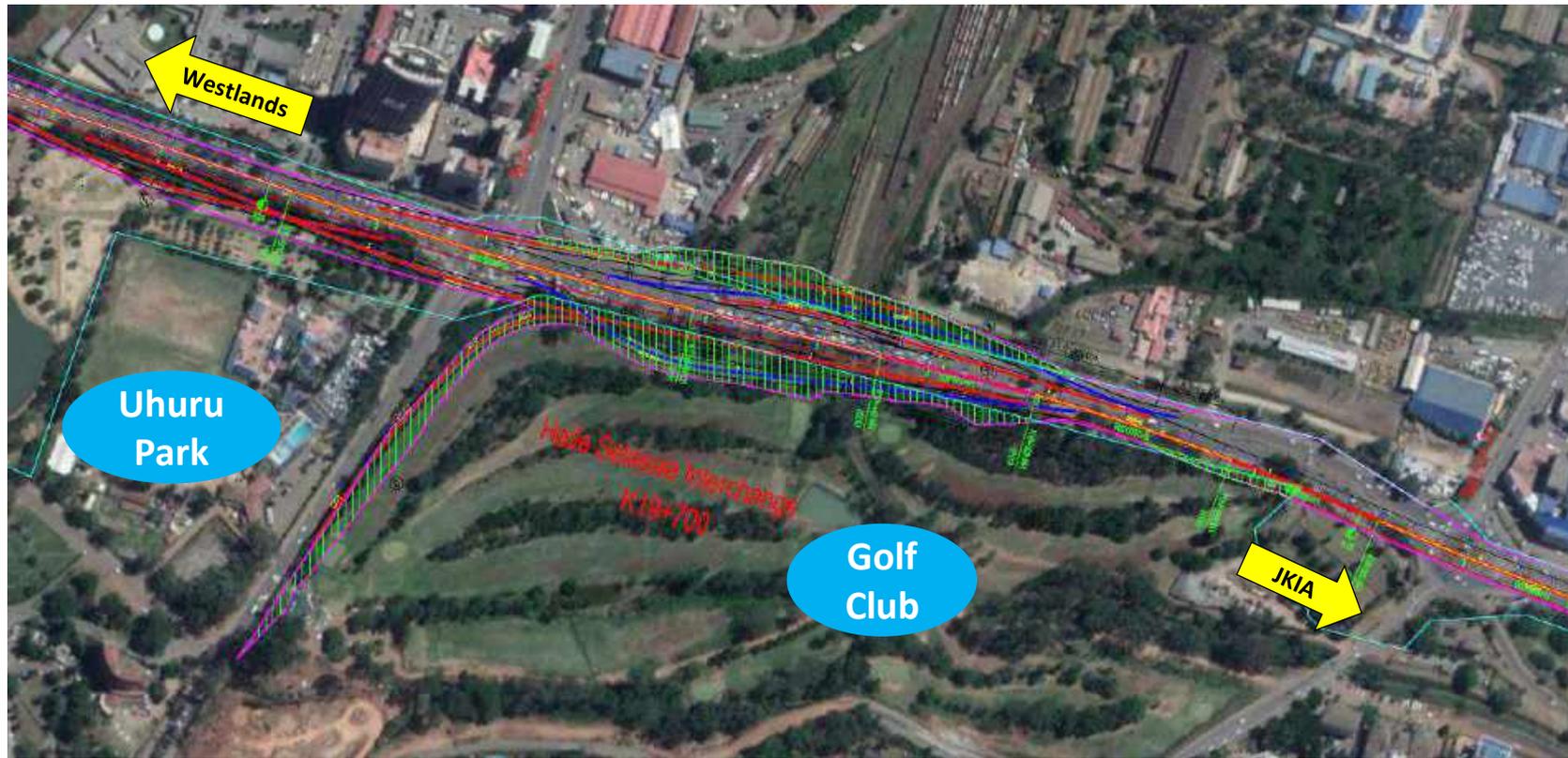
# Land to be acquired – Southern Bypass



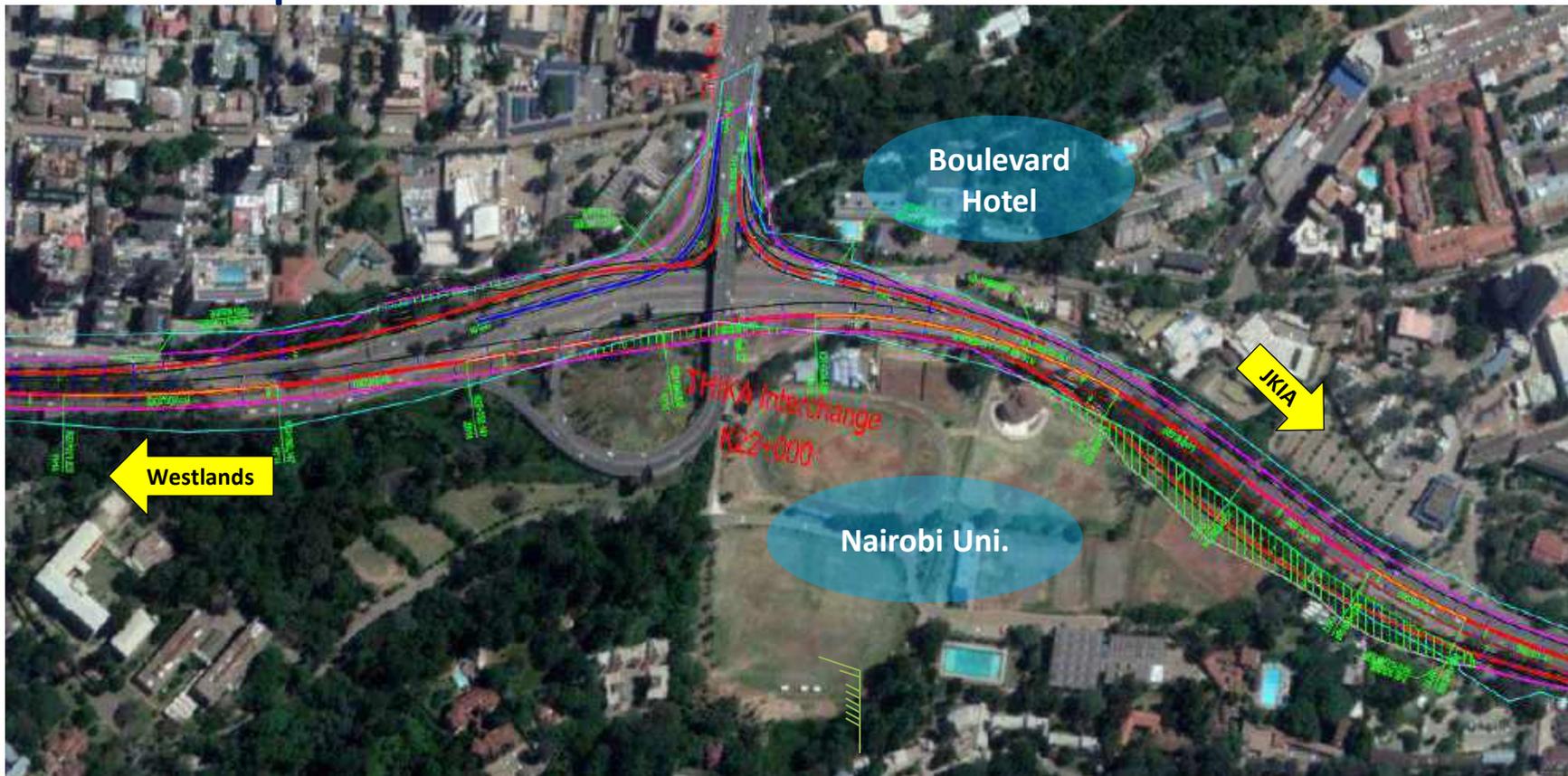
## Land to be acquired – Capital Center



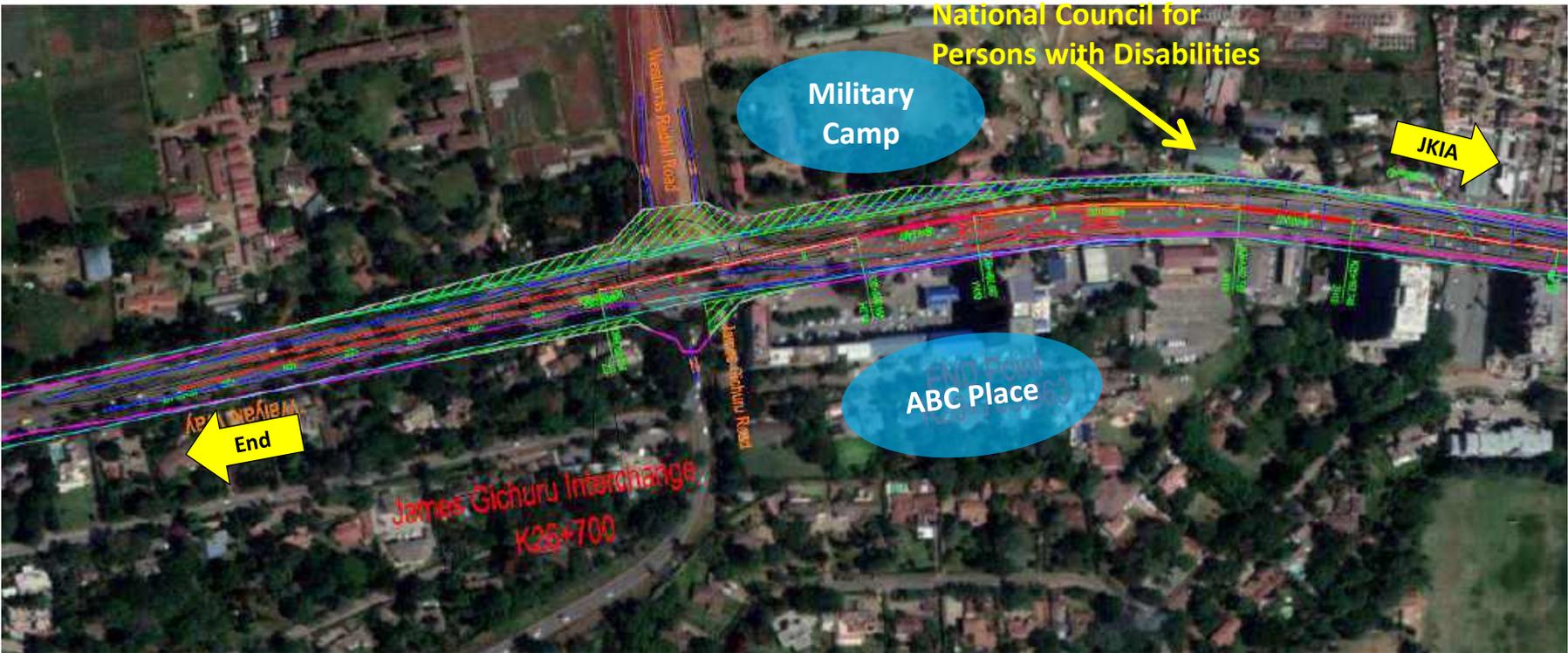
# Land to be acquired – Haile Selassie



# Land to be acquired – Thika Road



# Land to be acquired – End Point



### 15.3 ANNEX 3: BIODIVERSITY ASSESSMENT DATA ON FLORA AND FAUNA ALONG THE EXPRESSWAY

Data on flora and fauna along the expressway

Mlolongo, Syokimau and SGR Terminus

Coordinates 37 M 0271491m E, 9844614m S to 0267075m E, 9850167m S

Species Name		Number by girth (cm)									Total number
		LHS			MS			RHS			
Scientific Name	Common Name	<30	30-60	>60	<30	30-60	>60	<30	30-60	>60	
<i>Acacia xanthophloea</i>	Yellow back	18	26	95				3	22	43	207
<i>Acacia brevispica</i>		8	4								12
<i>Acacia drepanolobium</i>	Whistling thorn							24	5		29
<i>Acacia kirkii</i>	Kirk's	8	5								13
<i>Schinus molle</i>	Paper tree	2	7	6					5	5	25
<i>Vitex keniensis</i>	Meru oak	13	15								28
<i>Spathodea nilotica</i>	Nandi flame		2								2
<i>Croton megalocarpus</i>	Croton	7	10	3				1			21
<i>Grevillea robusta</i>	Grevillea				3			21	5		29
<i>Cassia siamae</i>	Black wood							13	9	6	28
<i>Syzigium cuminii</i>	Java plum		2	3							5
<i>Persea americana</i>	Avocado		5	4							9
<i>Callistemon citrinus</i>	Bottlebrush	2	6								8
<i>Araucaria buchananii</i>	Hop pine		5								5
<i>Filicium decipiens</i>	Thika palm							4	15		19
<i>Rhus vulgaris</i>	Rhus								5		5
<i>Terminalia mantale</i>	Umbrella tree	9	3	19					17	13	61
<i>Eucalyptus globulus</i>	blue gum					4		2			6
<i>Phoenix reclinata</i>	Palm							12	2	5	19
<i>Thevetia peruviana</i>	Yellow oleander	6						2			8
<i>Juniperus procera</i>	Juniperus	32	18								50
<i>Kigelia africana</i>	Cape mahogany			3							3
<i>Terminalia sericea</i>	Silver leaf				15	6		5	7	8	41
<i>Albizia amara</i>	Bitter albizia		1								1
<i>Zanthoxylum gilleti</i>	Steinwood			3							3
<i>Casuarina equisetifolia</i>	Whistline pine tree	3	10		49	78			9	4	153
<b>Total</b>		<b>86</b>	<b>106</b>	<b>37</b>	<b>67</b>	<b>88</b>	<b>0</b>	<b>87</b>	<b>75</b>	<b>79</b>	<b>740</b>

JKIA to Eastern Bypass

Coordinates 37 M 0266835m E, 9850928m S to 0265022m E, 9852718m S

Species Name		Number by girth (cm)									Total number
		LHS			MS			RHS			
Scientific Name	Common Name	<30	30-60	>60	<30	30-60	>60	<30	30-60	>60	

<i>Acacia xanthophloea</i>	Yellow back				7	34	90				<b>131</b>
<i>Acacia brevispica</i>						2					<b>2</b>
<i>Acacia kirkii</i>	Kirk's					2	8				<b>10</b>
<i>Schinus molle</i>	Paper tree				3	15					<b>18</b>
<i>Vitex keniensis</i>	Meru oak				9	14					<b>23</b>
<i>Croton megalocarpus</i>	Croton				18	35					<b>53</b>
<i>Grevillea robusta</i>	Grevillea				3	10	2				<b>15</b>
<i>Cassia siamae</i>	Black wood				6	96					<b>102</b>
<i>Callistemon citrinus</i>	Bottlebrush				2	5					<b>7</b>
<i>Filicium decipiens</i>	Thika palm					2					<b>2</b>
<i>Markhamia lutea</i>	Markhamia				30	27					<b>57</b>
<i>Terminalia mantale</i>	Umbrella tree				21	12					<b>33</b>
<i>Tipoana tipu</i>						7					<b>7</b>
<i>Warbugia ugandensis</i>	Pepper back tree				2						<b>2</b>
<i>Thevetia peruviana</i>	Yellow oleander				20	6					<b>26</b>
<i>Juniperus procera</i>	Juniperus				8	5					<b>13</b>
<i>Terminalia sericea</i>	Silver leaf				8	2	10				<b>20</b>
<i>Casuarina equisetifolia</i>	Whistline pine tree				33	57	24				<b>114</b>
<b>Total</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>170</b>	<b>291</b>	<b>134</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>595</b>

Eastern Bypass to Southern Bypass

Coordinates 37 M 0265895m E, 9851919m S to 0263013m E, 9852921m S

Species Name		Number by girth (cm)									Total number
		LHS			MS			RHS			
Scientific Name	Common Name	<30	30-60	>60	<30	30-60	>60	<30	30-60	>60	
<i>Acacia nubica</i>							3	1	2		<b>6</b>
<i>Acacia xanthophloea</i>	Yellow back	5	4	13	1	4	6	6	4	13	<b>56</b>
<i>Acokanthera schimperi</i>						2					<b>2</b>
<i>Araucaria excelsa</i>					4						<b>4</b>
<i>Bauhinia tomentosa</i>					1						<b>1</b>
<i>Calistemon citrinus</i>									3		<b>3</b>
<i>Calistemon citrinus</i>					2	4					<b>6</b>
<i>Carrica papaya</i>									1		<b>1</b>
<i>Casuarina equisetifolia</i>	Whistline pine tree				12	8	10	12	10		<b>52</b>
<i>Cordia abyssinica</i>								14	16		<b>30</b>
<i>Croton megalocarpus</i>	Croton								3	10	<b>13</b>
<i>Cupressus lusitanica</i>										2	<b>2</b>
<i>Eriobotrya japonica</i>									2		<b>2</b>
<i>Eucalyptus saligna</i>									3	9	<b>12</b>
<i>Grevillea robusta</i>	Grevillea				1	4	12	1	2	3	<b>23</b>
<i>Jacaranda mimosifolia</i>						10		5	8		<b>23</b>
<i>Juniperus procera</i>	Juniperus				8	5		1			<b>14</b>
<i>Mangifera indica</i>	Mango							4	2		<b>6</b>
<i>Markhamia lutea</i>	Markhamia				5			3	5	7	<b>20</b>

<i>Persea americana</i>	Avocado								3		<b>3</b>
<i>Phoenix reclinata</i>	Palm					8	2		16		<b>26</b>
<i>Psidium guajava</i>	Guava								5		<b>5</b>
<i>Schinus molle</i>	Paper tree		2						2	13	<b>17</b>
<i>Senna siamae</i>					4	1	1	3	7	22	<b>38</b>
<i>Syzigium cuminii</i>	Java plum								4		<b>4</b>
<i>Terminalia mantale</i>	Umbrella tree							1	4	5	<b>10</b>
<i>Terminalia sericea</i>	Silver leaf					2		2	3	7	<b>14</b>
<i>Thevetia peruviana</i>	Yellow oleander				15	6					<b>21</b>
<i>Vernona amygdalena</i>					2	4					<b>3</b>
<i>Vitex keniensis</i>	Meru oak				2	1					<b>6</b>
<i>Warbugia ugandensis</i>								10			<b>10</b>
<b>Total</b>		<b>5</b>	<b>6</b>	<b>13</b>	<b>80</b>	<b>51</b>	<b>50</b>	<b>55</b>	<b>105</b>	<b>91</b>	<b>456</b>

## Southern Bypass to Nyayo Stadium

Coordinates 37 M 026421m E, 9853449m S to 0258190m E, 9855626m S

Species Name		Number by girth (cm)									Total number
		LHS			MS			RHS			
Scientific Name	Common Name	<30	30-60	>60	<30	30-60	>60	<30	30-60	>60	
<i>Acacia xanthophloea</i>	Yellow back		3	10		19	23		6	27	88
<i>Acacia kirkii</i>	Kirks acacia				2						2
<i>Casuarina equisetifolia</i>	Whistline pine tree	2	8			7				2	19
<i>Croton megalocarpus</i>	Croton	3	4	3	1	2	3		5		21
<i>Cordia sinensis</i>	Cordia					2					2
<i>Cordia abyssinica</i>	Cordia		1								1
<i>Carrica papaya</i>	Pawpaw								2		2
<i>Eucalyptus globulus</i>	blue gum		1	3						3	7
<i>Eriobotrya japonica</i>	Loquat		3								3
<i>Filicium decipiens</i>	Thika palm	5	21						56		82
<i>Grevillea robusta</i>	Grevillea	4	5	24		2	3		33	9	80
<i>Jacaranda mimosifolia</i>	Jacaranda			6		4	12	3			25
<i>Juniperus procera</i>	Juniperus	2	3			1					6
<i>Markhamia lutea</i>	Markhamia	4	9	1	6	2	6	4	7		39
<i>Mangifera indica</i>	Mango		5						1		6
<i>Olea africana</i>	Wild olive				4	3					7
<i>Olea capensis</i>	Elgon teak	1									1
<i>Persea americana</i>	Avocado		2	1		2					5
<i>Phoenix reclinata</i>	Palm	8			66	54				10	138
<i>Psidia guajava</i>	Guava	5	3								8
<i>Melia azadirach</i>						1					1
<i>Rhus natalensis</i>					3						3
<i>Schinus molle</i>	Paper tree		3	8			5			3	19
<i>Spathodea nilotica</i>	Nandi flame		3						10		13

<i>Cassia siamae</i>			11	7	5	5	4		29	11	72
<i>Syzigium cuminii</i>	Java plum	1	3			2					6
<i>Terminalia mantale</i>	Umbrella tree		4	5		8	13	1		8	39
<i>Terminalia sericea</i>	Silver leaf	3	6	23	17	36	71		24	22	202
<i>Thevetia peruviana</i>	Yellow oleander	1				1					2
<i>Vitex keniensis</i>	Meru oak		4	5							9
<i>Zanthoxylum gilleti</i>	Steinwood		3	22	6	27	26				84
<b>Total</b>		43	97	118	110	181	176	8	175	95	1003

## Nyayo Stadium to Thika Road interchange

Coordinates 37 M 0258143m E, 9855711m S to 0256610m E, 9858993m S

Species Name		Number by girth (cm)									Total number
		LHS			MS			RHS			
Scientific Name	Common Name	<30	30-60	>60	<30	30-60	>60	<30	30-60	>60	
<i>Acacia xanthophloea</i>	Yellow back	4	1	11	2			10		25	53
<i>Schinus molle</i>	Paper tree		1	9					13		23
<i>Vitex keniensis</i>	Meru oak		2	4	1						7
<i>Jacaranda mimosifolia</i>	Jacaranda	2	9	36	1					29	77
<i>Croton megalocarpus</i>	Croton		2	5					12	19	38
<i>Grevillea robusta</i>	Grevillea	7	17	63					3	7	97
<i>Cassia siamae</i>	Black wood		17	47					4	33	101
<i>Markhamia lutea</i>	Markhamia	14	7	1				19		9	50
<i>Persea americana</i>	Avocado	1								1	2
<i>Mangifera indica</i>	Mango	1	2	8							11
<i>Terminalia sericea</i>	Silver leaf	17	26	64				3	9	27	146
<i>Callistemon citrinus</i>	Bottlebrush	1	4	1							6
<i>Araucaria buchananii</i>	Hop pine			2							2
<i>Filicium decipiens</i>	Thika palm		16		82			13		5	116
<i>Terminalia mantale</i>	Umbrella tree		2	15					11		28
<i>Eucalyptus globulus</i>	blue gum	3	12	38					5	35	93
<i>Phoenix reclinata</i>	Palm	41	3	24	39	7	4		5	1	124
<i>Thevetia peruviana</i>	Yellow oleander		1								1
<i>Podocarpus glaciolor</i>	Podo	6									6
<i>Kigelia africana</i>	Cape mahogany	1		14							15
<i>Olea capensis</i>	Elgon teak	11			58						69
<i>Olea africana</i>	Wild olive	6									6
<i>Carica papaya</i>	Pawpaw	2			1			1			4
<i>Warbugia ugandensis</i>	Pepper back	9									9
<i>Calodendrum capense</i>	Cape chestnut	21									21
<i>Zanthoxylum gilleti</i>	Steinwood		2	15							17
<i>Casuarina equisetifolia</i>	Whistline pine tree	3						2			5
<b>Total</b>		<b>150</b>	<b>124</b>	<b>357</b>	<b>184</b>	<b>7</b>	<b>4</b>	<b>48</b>	<b>62</b>	<b>191</b>	<b>1127</b>

## Thika Road Interchange

Coordinates 37 M 0256424m E, 9859082m S

Species Name		Number by girth (cm)									Total number
		LHS			MS			RHS			
Scientific Name	Common Name	<30	30-60	>60	<30	30-60	>60	<30	30-60	>60	
<i>Acacia xanthophloea</i>	Yellow back				2		1				3
<i>Polyscias kikuyensis</i>	Parasol					9					9
<i>Markhamia lutea</i>	Markhamia				5	39	4				48
<i>Vitex keniensis</i>	Meru oak				6	10					16
<i>Croton megalocarpus</i>	Croton					2					2
<i>Cordia sinensis</i>	Cordia				5						5
<i>Cassia siamae</i>	Black wood					5					5
<i>Olea capensis</i>	Elgon teak				10	2					12
<i>Olea africana</i>	Wild olive				15						15
<i>Prunus africana</i>	African cherry				4						4
<i>Eucalyptus globulus</i>	blue gum				28	17	6				51
<b>Total</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>75</b>	<b>84</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>170</b>

## Thika Road Interchange to Westlands Roundabout

Coordinates 37 M 0256424m E, 9859147m S to 0255440m E, 9860084m S

Species Name		Number by girth (cm)									Total number
		LHS			MS			RHS			
Scientific Name	Common Name	<30	30-60	>60	<30	30-60	>60	<30	30-60	>60	
<i>Acacia xanthophloea</i>	Yellow back					1	4			5	10
<i>Schinus molle</i>	Paper tree						2				2
<i>Vitex keniensis</i>	Meru oak				9	14	16				39
<i>Spathodea nilotica</i>	Nandi flame									1	1
<i>Croton megalocarpus</i>	Croton					17	20	36		3	76
<i>Grevillea robusta</i>	Grevillea				4	49	88			48	189
<i>Cassia siamae</i>	Black wood				1						1
<i>Olea capensis</i>	Elgon teak				10	2					12
<i>Olea africana</i>	Wild olive				16						16
<i>Cordia abyssinica</i>	Cordia					45					45
<i>Persea americana</i>	Avocado				1						1
<i>Callistemon citrinus</i>	Bottlebrush					4					4
<i>Psidia guajava</i>	Guava				3						3
<i>Jacaranda mimosifolia</i>	Jacaranda					4		1		13	18
<i>Filicium decipiens</i>	Thika palm				2						2
<i>Ficus natalensis</i>	Mugumo									1	1
<i>Podocarpus glaciolor</i>	Podo				1						1
<i>Markhamia lutea</i>	Markhamia				10	3	5	2		24	44
<i>Eucalyptus globulus</i>	blue gum				28	12	6				46
<i>Phoenix reclinata</i>	Palm					19					19
<i>Thevetia peruviana</i>	Yellow oleander						12				12
<i>Kigelia africana</i>	Cape mahogany						1				1

<i>Elaeodendron buchananii</i>						34					<b>34</b>
<i>Citrus sinensis</i>	Citrus							1			<b>1</b>
<i>Zanthoxylum gilleti</i>	Steinwood							1			<b>1</b>
<i>Casuarina equisetifolia</i>	Whistline pine tree					28				16	<b>44</b>
<b>Total</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>85</b>	<b>232</b>		<b>41</b>	<b>0</b>	<b>111</b>	<b>469</b>

Westlands Roundabout to James Gichuru Road

Coordinates 37 M 0255164m E, 9860424m S to 0252350m E, 9860662m S

Species Name		Number by girth (cm)									Total number
		LHS			MS			RHS			
Scientific Name	Common Name	<30	30-60	>60	<30	30-60	>60	<30	30-60	>60	
<i>Acacia xanthophloea</i>	Yellow back			8		3				3	<b>14</b>
<i>Vitex keniensis</i>	Meru oak	2	14	13	6						<b>35</b>
<i>Croton megalocarpus</i>	Croton		7	12		13				17	<b>49</b>
<i>Grevillea robusta</i>	Grevillea	11	33	49	7	22	39			10	<b>171</b>
<i>Cassia siamae</i>	Black wood	3	10	17						46	<b>76</b>
<i>Jacaranda mimosifolia</i>	Jacaranda		31	56	7	11	39		1	19	<b>164</b>
<i>Persea americana</i>	Avocado		3							2	<b>5</b>
<i>Mangifera indica</i>	Mango								3		<b>3</b>
<i>Araucaria buchananii</i>	Hop pine			1							<b>1</b>
<i>Filicium decipiens</i>	Thika palm		2			2					<b>4</b>
<i>Terminalia mantale</i>	Umbrella tree					3				9	<b>12</b>
<i>Markhamia lutea</i>	Markhamia	1				7			6	30	<b>44</b>
<i>Psidia guajava</i>	Guava	1									<b>1</b>
<i>Eucalyptus globulus</i>	blue gum		1				3				<b>4</b>
<i>Thevetia peruviana</i>	Yellow oleander				1						<b>1</b>
<i>Rapanea melanophloes</i>	Rapanea						3				<b>3</b>
<i>Juniperus procera</i>	Juniperus		8			2	8				<b>18</b>
<i>Kigelia africana</i>	Cape mahogany			4							<b>4</b>
<i>Terminalia sericea</i>	Silver leaf			10							<b>10</b>
<i>Zanthoxylum gilleti</i>	Steinwood		8	7	5		18				<b>38</b>
<i>Eriobotrya japonica</i>	Loquat									8	<b>8</b>
<i>Cupressus lusitanica</i>	Cypress									10	<b>10</b>
<i>Cordia abyssinica</i>	Cordia		11				6				<b>17</b>
<i>Spathodea nilotica</i>	Nandi flame									9	<b>9</b>
<i>Warbugia ugandensis</i>	Pepper back tree	5				21					<b>26</b>
<i>Prunus africana</i>	Prunus				5						<b>5</b>
<i>Podocarpus glacialor</i>	Podo		7								<b>7</b>
<i>Casuarina equisetifolia</i>	Whistline pine tree									66	<b>66</b>
<b>Total</b>		<b>22</b>	<b>135</b>	<b>177</b>	<b>31</b>	<b>84</b>	<b>116</b>	<b>0</b>	<b>10</b>	<b>229</b>	<b>804</b>

## Floristic lists of all tree species at the site

Species Name		Number by girth (cm)									Total number
		LHS			MS			RHS			
Scientific Name	Common Name	<30	30-60	>60	<30	30-60	>60	<30	30-60	>60	7
<i>Acacia brevispica</i>		3				2			2		3
<i>Acacia drepanolobium</i>	Whistling thorn				Saplings	3		26	10	5	4
<i>Acacia melifera</i>		4									25
<i>Acacia kirkii</i>	Kirk's acacia	8	5		2	2	8		1		11
<i>Acacia nubica</i>		5	2			2	2	6	2	1	3
<i>Acacia tortilis</i>		2		1							193
<i>Acacia xanthophloea</i>	Yellow backed acacia	22	30	122	12	58	133	23	40	130	377
<i>Acokanthera schimperi</i>						2					2
<i>Arecaceae</i>							4			1	5
<i>Albizia amara</i>	Bitter albizia		1								1
<i>Albizia gumifera</i>	Peacock flower										0
<i>Araucaria excels</i>					6	1					7
<i>Araucaria cunninghamia</i>	Hop pine	5	10	3							18
<i>Azadirachta indica</i>	Neem tree								1	3	0
<i>Bambusa vulgaris</i>	Bamboo	bush				bush					0
<i>Bauhinia tomentosa</i>	Camel's foot				31		2				33
<i>Brachyleana huilensis</i>	Silver oak	3	2	1		1					7
<i>Caesalpinia decapetala</i>	Mauritius thorn				2						2
<i>Calistemon citrinus</i>		3	10	1	2	10			3		26
<i>Calliandra haematophaia</i>	Powder-puff										0
<i>Calondenrum capense</i>	Cape chestnut	21									21
<i>Carrica papaya</i>	Pawpaw				1				4		1
<i>Cassia spectabilis</i>	Spectacula senna						10				10
<i>Carissa spinarum</i>						2					2
<i>Casuarina equisetifolia</i>	Whistline pine tree	5	19	6	82	172	33	6	23	98	340
<i>Citrus sinensis</i>								1			1
<i>Cordia abyssinica</i>	Large leafed cordia		10	7	39	52	6	14	16		114
<i>Cordia sinensis</i>	Cordia		13			2					15
<i>Croton macrostachyus</i>	Croton		5		3	1			9	10	9
<i>Croton megalocarpus</i>	Croton	13	17	21	16	69	23	38	14	39	159
<i>Cupresus lusitanica</i>	Cypress tree				9					12	9

Species Name		Number by girth (cm)									Total number
<i>Dodonea viscosa</i>	Hop bush								10		<b>0</b>
<i>Elaeodendron buchananii</i>					18	34					<b>52</b>
<i>Eriobotrya japonica</i>	Loquat		4						2	8	<b>4</b>
<i>Eucalyptus ficifolia</i>	Red flowering gum										<b>0</b>
<i>Eucalyptus globulus</i>	Tasmanian blue gum		1	3					11	38	<b>4</b>
<i>Eucalyptus saligna</i>	Sydney blue gum	3	14	38	56	28	18		3	9	<b>157</b>
<i>Euphorbia candelabrum</i>			2			3			4	1	<b>5</b>
<i>Euphorbia tirucali</i>		4	12		Bush /12						<b>16</b>
<i>Filicium decipiens</i>	Thika palm	5	39		91	3		1	7	71	<b>5</b>
<i>Ficus natalensis</i>	Mugumo tree							6	3	3	<b>12</b>
<i>grevillea robusta</i>	Grevillea	22	55	136	17	93	145	2	7	61	<b>77</b>
<i>Harisonia abyssinica</i>		3									<b>3</b>
<i>Hibiscus (all flower type)</i>											<b>0</b>
<i>Hyphaene compressa</i>	Doum palm			1					4		<b>1</b>
<i>Jacaranda mimosifolia</i>		2	43	108	9	25	55	9	10	61	<b>242</b>
<i>Juniperus procera</i>		34	30		10	14		6			<b>88</b>
<i>Lantana camara</i>	Lantana										<b>0</b>
<i>Leonotis nepetifolia</i>					23						<b>23</b>
<i>Mangifera indica</i>	Mango	1	7	8				4	7	2	<b>16</b>
<i>Markhamia lutea</i>		19	16	2	55	59	14	2	9	45	<b>70</b>
<i>Melia azadirach</i>	Indian lilac					1			14		<b>1</b>
<i>Musa balbisiana</i>											<b>0</b>
<i>Ocimum suave</i>											<b>0</b>
<i>Olea africana</i>	Wild olive	2	4		39	3					<b>48</b>
<i>Olea capensis</i>	East african olive	12			78	4					<b>94</b>
<i>Kigelia africana</i>		4		3							<b>7</b>
<i>Persea americana</i>	Avocado	1	8	5	1	2		1	3	3	<b>17</b>
<i>Phoenix reclinata</i>		51	19	24	132	75	12	14		23	<b>67</b>
<i>Pistia stratiotes</i>	Waterlily										<b>0</b>
<i>Podocarpus glaciolor</i>		6	7		1						<b>14</b>
<i>Prunus africana</i>					9						<b>9</b>
<i>Psidia guajava</i>	Guava	6	5			3			6		<b>14</b>
<i>Polycia kikuyensis</i>			2			9					<b>11</b>
<i>Rapanea melanophloes</i>				1			1	2	0		<b>2</b>
<i>Rhus natalensis</i>		3			3						<b>6</b>

Species Name		Number by girth (cm)									Total number
		1	2	3	4	5	6	7	8	9	
<i>Rhus vulgaris</i>	Rhus	1							5		1
<i>Schinus molle</i>	Paper tree	3	12	23	3	15	10		23	32	66
<i>Senna occidentalis</i>	Coffee weed				1						1
<i>Senna siamae</i>	Black-wood cassia		21	64	29	118	17	19	49	123	372
<i>Solanum arundo</i>	Mettei boll	4									4
<i>Solanum incunum</i>	Sodom apple										0
<i>Solanum mauritanium</i>	Asian bug tree										0
<i>Spathodea nilotica</i>	Nandi flame		5		3	12		1	10	11	20
<i>syzigium cuminii</i>		1	7	3		2			4		13
<i>Tamarindus indica</i>					5						5
<i>Terminalia brownie</i>	Red pod terminalia										0
<i>Terminalia Mantale</i>	Umbrella tree	9	9	51	21	24	18	3	32	40	132
<i>Terminalia sericea</i>	Silver leaf	30	37	98	41	46	83	34	43	64	476
<i>Thevetia peruviana</i>	Yellow oleander	7	1		21	7	12	3		2	48
<i>Tipoana tipu</i>	Tipu tree					7					7
<i>Trichilia emetic</i>	Cape mahogany										0
<i>Vepris pilosa</i>					16						16
<i>Vernona amygdalena</i>					2	4					6
<i>Vitex keniensis</i>	Meru oak	15	36	23	29	20	16				139
<i>Warbugia ugandensis</i>	Pepper-back tree	14			25		10				49
<i>Zanthoxylum gilleti</i>	African stainwood		13	47	7	71	81		1		7
<b>TOTAL</b>		<b>356</b>	<b>520</b>	<b>753</b>	<b>943</b>	<b>990</b>	<b>632</b>	<b>64</b>	<b>111</b>	<b>321</b>	<b>4690</b>

## Forbs, lianas and grasses within the proposed project area

Forbs	
<i>Cuscuta californica</i>	Chaparel
<i>Thunbergia alata</i>	Black-eyed susan
<i>Bougainvillea spectabilis</i>	
<i>Leonotis nepetifolia</i>	
<i>Momordica foetida</i>	Bad-smell mellon
<i>Lantana trifolia</i>	Lantana
<i>Agave sisalana</i>	Sisal
<i>Sanserveria conspicua</i>	
<i>Tagetes minuta</i>	
<i>Cissus rotundifolia</i>	
<i>Cyperus papyrus</i>	Papyrus reeds
<i>Ipomoea hildebrandtii</i>	
<i>Tribulus cistoides</i>	
<i>Justicia matamensis</i>	
<i>Portulaca foliosa</i>	
<i>Pupalia lappacea</i>	
<i>Argemone mexicana</i>	Mexican poppy
<i>Ipomoea spathulata</i>	Morning glory

<b>Forbs</b>	
<i>Calliandra haematophaia</i>	Powder-puff
<i>Pistia stratiotes</i>	
<b>Grasses</b>	
<i>Pennisetum catabasis</i>	Elephant grass
<i>Aristida mutabilis</i>	
<i>Cynodon dactylon</i>	Star grass
<i>Chloris radiata</i>	Radiate finger grass
<i>Aristida congesta</i>	
<i>Themeda triandra</i>	Red grass
<i>Enteropogon macrosta</i>	Bush rye

## 15.4 ANNEX 4: MINUTES, SIGN IN SHEETS, AND PHOTOS OF STAKEHOLDER ENGAGEMENT EXERCISES

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**Minutes of the Public Consultation Meeting for the ESIA and RAP Studies for the Proposed Nairobi Expressway Project Held on 19th November 2019 in Mlolongo Location, Mavoko Sub-County.**

<b>Subject/Ref</b>	ESIA and RAP Studies for the Proposed Nairobi Expressway Project
<b>County</b>	Machakos
<b>Location</b>	Mlolongo
<b>Meeting Venue</b>	Mlolongo Bus Park
<b>Date and time of Meeting</b>	19 <sup>th</sup> November 2019 at 11:13- 1:57pm
<b>Project representatives Present</b>	Eng. Stanley Mwawasi (KENHA) Eng. Julie Ondeyo (KENHA) Patricia Agula(KENHA) Damaris Obiera(KENHA) Abdiqalaz Salad(KENHA) Eunice Opondo (CENTRIC AFRICA) Joyce Owino(CENTRIC AFRICA) Joseph Gitu(CENTRIC AFRICA) Allan Owino(CENTRIC AFRICA) Mary Zaritu(CENTRIC AFRICA) Yvonne Wairimu(CENTRIC AFRICA) Mathew Kasira(CENTRIC AFRICA) Michael Kabari(CENTRIC AFRICA) Jane Kimani (CENTRIC AFRICA) Iddah Mukiri (CENTRIC AFRICA)
<b>Number Of participants</b>	Male: 116  Female: 34
<b>Distribution</b>	KeNHA, CRBC and Centric

<b>Agenda of the Meeting</b>
The agenda was as follows: <ul style="list-style-type: none"> <li>● Opening remarks/ prayer</li> <li>● Introduction of participants</li> <li>● Overview of the agenda of the meeting by Centric Africa</li> <li>● Project Description by KeNHA</li> <li>● Presentation of the ESIA process and development of ESMP by Centric Africa</li> <li>● Question and answer session</li> <li>● Closing and adjourning of main meeting</li> <li>● Focus group discussions with road user groups</li> </ul>

### **Commencement of the Meeting**

The meeting was opened by the Area Chief who in turn requested a pastor to open the meeting with prayer. He then proceeded to state the agenda of the meeting as a public participation meeting.

The chief introduced the area leadership and then shared his contributions and concerns regarding the project before inviting the KeNHA and Centric team to take over the meeting.

### **Project Description ( Project Manager, KeNHA)**

- Eng. Stanley provided an overview of the proposed Nairobi Expressway project whose characteristics include:
- A 26.7 km long expressway largely on the median of the existing A8
- The expressway starts from Mlolongo, proceeds to JKIA, Nairobi CBD, Westlands and terminating at ABC place. 26.764km long expressway which includes 15.739km at grade section (Mlolongo to Southern Bypass interchange) and 11.025km elevated section (Southern Bypass interchange to ABC Place)
- The road will comprise four lanes with two emergency lanes to be used by ambulances, fire brigades, police and to cater for other emergency. Some sections will however have six lanes
- There will be service roads, ramps and interchanges
- The road will have a design speed of 80km/hr.
- The road will be fully fenced with controlled access
- The project is a Public Private Partnership under the B.O.T model (Build-Operate-Transfer) between a private investor (CRBC) and Government of Kenya, and will be constructed over a period of 3 years commencing in 2020
- This is the first BOT (Build-Operate-Transfer) road project whereby the (Investor takes revenue risk)
- All facilities will be handed back to the Government of Kenya after a concession period of 30 years, together with its advanced technology and management.
- The cost of construction of the expressway is approximately Kenya Shillings Sixty Billion.
- The road will be tolled for purpose of CRBC recouping their investment. There will be ten toll stations which will also have security cameras.
- There will be no demolition of buildings along the project route. A few perimeter walls may however be affected by land acquisition
- The anticipated benefits of the construction of the expressway include a) Reduced traffic congestion b) Reduced time spent in traffic c) Easier transportation of goods and services hence promoting local economy
- The one-way toll charge for salon cars will be 300 shillings and 1800 shillings for trucks.
- The Contractor will have a comprehensive traffic management plan to avoid or minimize interference with existing A8 road. The plan will entail dumping of construction materials at night.

### ESIA Process and ESMP Development ( Centric Representative)

- The Centric representative explained that the requirement for an ESIA is enshrined in the Environmental Management and Coordination Act (EMCA), 1999, (amended in 2015) which is the framework law on environmental management in Kenya. The Act provides for environmental protection through processes such as Environmental Impact Assessment, Environmental Audit and Monitoring.
- The Second Schedule of the Act identifies development of road projects as requiring EIA studies
- By way of consideration of the nature of anticipated environmental and social impacts in terms of severity, ease of reversibility, longevity and the geographical scope which may be impacted by the project, it has been determined the Expressway project will be subjected to a Full ESIA Study to enable an in-depth identification and analysis of potential impacts, and subsequent devising of appropriate mitigation and enhancement measures
- The ESIA process entails screening a project to determine whether an EIA is required or not, and if needed, the level of scrutiny (environmental assessment) that the project should be subjected to. Screening is following by a baseline and scoping study to determine the nature and magnitude of anticipated environmental and social impacts
- Stakeholder consultation is a key aspect of the EIA Study and, is anchored in the Constitution of Kenya 2010 and is also supported by the Public Participation Bill of 2018. It is therefore crucial that stakeholders in any given development are identified and engaged at various levels with an aim of obtaining their views, concerns, suggestions and recommendations, to be incorporated in the project. Centric explained that it is for this reason that stakeholder engagement is being carried out with various parties including line national government institutions, county government, civil society organizations, professional bodies, roadside traders and large establishments fronting the proposed alignment, residents along the corridor and various road users including long distance truck drivers, PSVs, cyclists, pedestrians etc.
- Impact prediction and analysis paves way for the development of the ESMP whereby appropriate mitigation measures are devised for anticipated adverse impacts and enhancement measures are suggested for positive impacts
- The ESIA Consultant will prepare an elaborate ESMP to cater for all anticipated project impacts. Some of the mitigations measures to be proposed will largely be informed by best industry practice, for instance, it may be recommended that the Contractor institutes a grievance redress mechanism during construction and operation of the road, the Contractor rolls out a road safety awareness campaign to mitigate traffic incidents and an HIV/AIDS campaign to mitigate spread of STDs. Further the Consultant may recommend that project workers abide by a stringent code of conduct to curtail adverse impacts to the neighbouring communities.
- Several sub-studies will be carried out as part of the ESIA Study with a view of establishing the baseline. These including air sampling, noise survey, soil sampling, water sampling and biodiversity assessment.
- Statistics such as pertaining to traffic incidents will be collected from relevant institutions to inform the baseline and decision making pertaining to project design
- Centric explained that the Terms of Reference for the ESIA Study had been submitted to NEMA for review and the approval to proceed with the study had been granted

- Once the ESIA Report is submitted to NEMA, the Authority will generate the summary of potential impacts and mitigation measures for publication in two local dailies and in the Kenya gazette. The public will be invited through the advert to peruse the report and give comments over a period of thirty days.
- NEMA will then review the report and make a decision as to whether to issue an EIA license with conditions or not issue the EIA license

#### **Interactive Session with Participants**

The meeting then progressed to an interactive session whereby the participants were given the opportunity to ask questions, make comments, seek clarification, and air their views, concerns and recommendations for incorporation into the project development.

**Table 1: ISSUES RAISED AND RESPONSES GIVEN**

Project Aspect	Participant	Issue Raised	Responses
Project design	<p>Felix Mambo- Youth Leader</p> <p>Shadrack Mutei- Resident</p> <p>Murathakariuki- Sabaki Residents Association</p>	<p>Enquired on the route the expressway will take</p> <p>Enquired on the design of the road</p> <p>Enquired on whether the service way can be extended into an interchange</p>	<p>The expressway starts right before the footbridge at mlolongo area up till JKIA proceeds to eastern bypass then to southern bypass and ends at James Gichuru road near ABC.</p> <p>The expressway will be built between the present highway with 2lanes on each side,each also having emergency lanes from Mlolongo till Eastern bypass which will be 15km long. There will be 3lanes from Eastern bypass to Next Gen Mall from where the expressway will start rising. There will be 4lanes from Next Gen up until James Gichuru road at ABC.</p> <p>The expressway won't have a service lane as it beats its purpose as a fast moving highway. The expressway is designed to help reduce congestion of the service lanes in the existing highway.</p>
Erection of foot bridges	<p>Musa Omari-Resident</p> <p>Daniel Ndeku-Resident</p>	<p>Enquired on whether footbridges will be built past JKIA or not</p> <p>Enquired on where the footbridges will be and urged the contractor to consider places with social amenities such as churches and schools.</p>	<p>The project will accommodate footbridges needed for pedestrian crossing especially in dense areas with social amenities.</p>
Project costs	Felix Mambo-Youth Leader	Enquired on the total cost of the project implementation	The payment period will take 30years but the investor's decision to invest on the project as opposed to other

Project Aspect	Participant	Issue Raised	Responses
		Enquired on how long it will take for the project to have paid up	profit benefiting means so as to uplift the economy and lives is a beneficial risk.
Employment	Jimmy Nguli-Resident  Rosemary kanini-Resident	Enquired on whether the locals would be given jobs  Requested that women be considered for jobs	Youths in the locality and women will be prioritized when it comes to job allocation and local; leaders will be consulted on the same.
Air Quality/Sanitation	MurathaKariuki-Sabaki Resident Association  Willfrey kikomo-Resident  Dorothy Musia-Resident	Enquired on how dust control would be done during the construction.  Enquired on how the contractor would ensure high sanitation standards especially from the dust emanating from the quarries.  Enquired on the drainage system that would be used during the construction And mostly to be able to control rain water  Enquired on the measures that would be put in place during the road excavation	Environmental experts will ensure the contractors comply with environmental laws and ensure that quarries that serve the construction phase are monitored so as to be maintained according to the environmental standards. Environmental experts will gauge and monitor the contractor to ensure they maintain local Environmental standards.  Drainage will be carefully considered in the design to avoid overflows to neighbouring residential and business premises.  Environmental experts will monitor to ensure compliance with the local environmental laws during the construction phase.
Project Effects	Christopher Muthama-Resident	Enquired on what will be done to damaged houses, social amenities and basic infrastructure.	The expressway has been designed to minimise any destruction of existing structure, social amenities and infrastructure within its route as best as possible.

Project Aspect	Participant	Issue Raised	Responses
Corporate Social Responsibility	Dorothy Musia-Resident	Enquired on which CSR the contractor hoped to do. She further suggested the construction of other linking roads and a market that would benefit the community.	The project will look into a CSR Project to benefit the communities nearby.
Toll Fees	Felix Mambo-Youth Leader  Jimmy Nguli-Resident  Rosemary kanini-Resident  Felix Mambo-Youth leader	Enquired on the toll charges  Enquired on whether the toll fees would vary depending on the size of the car Maintained that toll charges were not viable for the local mwananchi.  Enquired on whether the toll charges and fuel charges would go down as that would be double taxation.  Enquired on whether the toll fees would reduce over the years	The toll charges will be 300ksh on small vehicles for one way and 1800ksh for lorries, one way.  The toll charges might not be affordable for everyone or not everyone will want to pay but the existing road will still be free to be able to serve those who opt not to use the expressway.  Fuel levy charges are solely for maintenance of the road while construction of the road uses a different tax hence there is no connection whatsoever. The toll charges will vary with the inflation rates in the economy over the years.
General	Musa Omari-Residents  MurathaKariuki- Sabaki Residents Association	Enquired on how public participation works  Stated that the design maintains the joke that people living beyond JKIA are not important	Public participation is necessary according to the law as it is meant to keep the public in the loop of any new developments happening in the area. The design`s route ensures it facilitates the people living and working nearby and tries to avoid any interference with existing structures.  Resources will be sourced

Project Aspect	Participant	Issue Raised	Responses
	<p>Jimmy Nguli-Resident</p> <p>Daniel Ndueki-Resident</p> <p>Christopher Muthama-Resident</p>	<p>Enquired on the source of project materials</p> <p>Enquired on whether both small cars and huge trucks would use the expressway.</p> <p>Requested for the review of the speed limits for the existing road stating that the limit is too low</p> <p>Requested that the community be notified of any changes made on the final design.</p> <p>Enquired on how the contractor intends to work around a solution on how their water and electricity supply will not be affected.</p>	<p>from people living within and working in the vicinity of the project.</p> <p>Both small cars and lorries will use the expressway but the lorries will enter the expressway once they've gone through the weighbridge.</p> <p>The purpose of the expressway is to ensure that it serves fast moving cars hence should serve vehicles that want to avoid speed limits that are too low at the existing roads.</p> <p>Communities will be inform in adequate time of any changes to be made on the design.</p> <p>The design will factor in the sewer lines and electric poles.</p>

### Closing and Adjournment

The ESIA Consultant thanked the participants for creating time to attend the meeting. The Consultant said that the adjournment of the meeting did not signal the end of engagement. The participants were invited to share further comments and views via the address provided in the project background information document.

The Mlolongo MCA reiterated that it is important for project affected people to be consulted first before commencing the construction. He made his closing remarks by thanking the public for availing themselves for the meeting despite their busy schedules and for the contributions they had made on behalf of Mlolongo community.

The meeting ended with a word of prayer from one of the residents:

### Confirmation of Minutes

Minutes prepared by: Centric Africa

Date 16/12/2019

Minutes confirmed by: ONGAGA DENNIS Date 16/12/2019

Position



ASSISTANT COUNTY COMMISSIONER  
MLOLONGO / KATANI DIVISION  
P. O. Box 555 - 00204  
ATHI - RIVER

Date:

**ANNEX I PHOTOS OF THE PUBLIC BARAZA MEETING**



**Photo 1: Public Baraza Meeting at Mlolongo Bus Station**



**Photo 2: One of the stakeholder expressing his views**



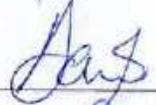
**Photo 3: KenNHA representative addressing the baraza**

## ANNEX II PUBLIC BARAZA ATENDANCE LIST

MLOLONGO & KATANI  
 19<sup>th</sup> November 2019

**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

1 Female  
9 males

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
1. DANIEL MUSYOKI	Resident	Mlolongo	0719794659	
2. MUSYIMI KYAVI	Resident	SABAKI	0700190050	
3. Daniel Mulei	Resident	Mlolongo	0718579695	
A. David Muthitu	11	Mlolongo	0722797181	
5. Mitch Kilonzi	Resident	Mlolong	0728267515	
6. Agnes N Kanyu	Resident	Mlolong	0721942517	
7. Cosmos Karanja	Resident	Mlolong	0722883682	
8. ANTHONY M. Mwanuzi	RESTORER	MLOLONGO	0929850703	
* 9. S. MAKACI MUKUNA	ASSF-CHIEF ALGIKANI	ALGIKANI	0714306098	
10. D. Nthembu	Resident	Mlolongo	0715418112	



Kenya National Highways Authority  
Quality Highways, Better Connections



中國路桥工程有限责任公司  
CHINA ROAD AND BRIDGE CORPORATION

MLOLONGO - KATANI

19<sup>th</sup> November 2019.



**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
REUBEN MAUNBU	Phase 1	Business		
Wycliffe Manka	The Queen Belt Movement	Executive - operations	072669154	
Jimmy Ngugi	Katani Asomption Residents Association	RESIDENTS GROUP	0722711258	
SILVERSTER KIMENI	MACHAKOS COUNTY GOVERNMENT	ADMINISTRATOR	0720840899	
BEN LIMO	MLOLONGO	RESIDENT	0721447296	
Matthew Kasira	Centric	Environmentalist	0711706430	
Yvonne Wairimu	Centric	Environmentalist	0719380444	
Mary Zanti	Centric		0720985959	
ALLAN OWINO	CENTRIC	SOCIAL SAFEGUARD	0729924873	
Joseph Githi	CENTRIC	ENVIRONMENTALIST	0700474055	

5/11/19



TALOLONGO & KATANI  
10TH NOVEMBER 2019



PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES

GF  
4/5

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
* 1. Eng. Stanley Mwarwas	KENHA	W/PPP	0722 510416 stanby.mwawas@kenha.co.ke	
* 2. Eng Julia Ondego	KENHA	AD (Des)	0722 320340 j.ondego@kenha.co.ke	
* 3. Patricia Agula	KENHA	S (Env)	0722 729384 P.agula@kenha.co.ke	
* 4. Hon Daniel Mbevi	M.C.A	Machakos County Assembly	topclub@yahoo.co.uk	
* 5. Demaris Obiero	KENHA	S (ESS)	dmongira83@gmail.com	
6. Abdurazak Salal	KENHA	E-ESS	abdurazak.salal@kenha.co.ke	
7. Jane Kimani	Centric		shiraw.kimani95@gmail.com	
8. MICHAEL KABANI	CENTRIC	E/S EXPERT	0733 399 685 Kabani@centricafrika.com	
9. Eunice Opondo	CENTRIC	ENVIRONMENTALIST	opondoeunice@gmail.com	
10. Iddah Muchena	CENTRIC	social expert	imuh@gmail.com	

6 males  
4 Females

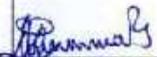
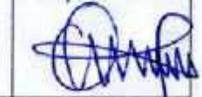
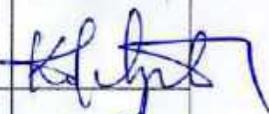
Mlolongo & Karani 19th Nov 2019

PUBLIC CONSULTATION **FOCUS GROUP DISCUSSION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

NAME	DESIGNATION	GENDER	TELEPHONE NUMBER/ EMAIL	SIGNATURE
① M ① MURATHA KARIUKI	CHAIR - SABAKI RES. ASS.	M		
② M JAMES M. MUSENSI	Mlolongo investor M.			
③ MO FELIX MAMBO	Youth leader	m	072655694	
④ M ALEX MUKU	Boda Boda	M	0710177505	
⑤ M KENONJO CLEOPHAS	Boda Boda	M	0713288825	
⑥ M DANIEL MUGETHA	Bar	M	072260829	
⑦ F HADIJA MUTELA		F	0701420281	
⑧ F JANE KARUA	B/woman	F	0726376084	
⑨ F KIMROSE GICWELI	B/woman CHAIR - MLOLONGO	F	0721269808	
⑩ F EUNICE RAPHAEL	BEVERLY HILL	F	0721693506	

MLOLONGO & KATANI  
19<sup>th</sup> November 2019

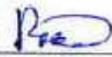
**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
1. MUTISO KIVUA	OLD MLOLONGO INVESTORS	SECRETARY	0710-756157	
2. Roberts <sup>INRCHINA</sup> MUYO	OLD MLOLONGO INVESTORS		0721685511	
3. Christine OPO	Old Mlango		0707201058	
8M 2F 4. Wafred Komu	old mlango	Public health Expert	0700858348	
5. BENJAMIN JUMA	old mlango		0721418923	
6. Benson M. NUNDA	OLD Mlango	INVOICE	0707314777	
7. Joseph MUKAWA	old Mlango	Secretary general Roads Body	0729358905	
8. Hillum Nthiga	OLD MLOLONGO	VICE-CHAIRMAN SACC of BOBABOBA	072148585	
9. Tom ADUMU	ANTIHERA HOTEL	MANAGER	0722588074	
10. ANNASTASIA MUKET	OLD MLOLONGO	DIRECTOR	0722710282	

N7 LOLONGO & KATANI

19th November 2019

**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

	NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
1.	Runt AKINYI	RESIDENT		0790738731	
2.	JOSEPH ODHAMBE	LANDLORD		0722851853	
3.	DOMINIC NGUNDO	RESIDENT		0726053165	
4.	Bon MUYOKI	RESIDENT		0790566737	
5.	Sebastian Mwangi	RESIDENT		0729219712	
6.	KORIR SMITHS	RESIDENT		0716647345	
7.	Joseph MUSAU	RESIDENT		0719824166	
8.	Bernard Mwangi	RESIDENT		0729235451	
9.	TONCAH TOMTISO	RESIDENT		0711838787	
10.	ANTHONY MWINE	RESIDENT		0713648707	

8/11  
2F



MLOLONGO & KATANI  
19th November 2019



PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES

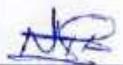
9/11

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
1. Pauline Nlungu	County govt	Village Admin	0723783423	
2. JAMES NAKAU	MCG	VILLAGE 3 MLOLONGO	0713 212287	
3. PHILIP NAKAU	SIYAHAROS COUNTY GOVERNMENT	SENIOR ROAD ADMINISTRATOR	0713940488	
4. NYABUTO MICKEY	APEX STEEL LTD	MANAGER	0726-586375	
5. Hamington Maulu	Resident		0707282528	
6. JACKSON MBURI	Resident		0726701451	
7. BENJAMIN NJUKUNA	Resident		0721956143	
8. MATILIO MUTUMU	Resident	Constituency office	0724475212	
9. CHRISTOPHER KUKU	Resident	✓	0726704973	
10. George Mbugwe	Resident	-	0721737624	

MLOLONGO - KATANI

19<sup>th</sup> November 2019.

**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

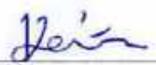
NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
PENHINEZI JAMESON	PHASE 1	MLOLONGO	0724 948770	
ANTHONY MAKINDA	PHASE 1	MLOLONGO	0711 673632	
JOSEPH KITUKU	PHASE 1	MULOLONGO	0714700441	
NGENO TIKESH	PHASE 2	MLOLONGO	0714140373	
DANIEL NDWIKI	MLOLONGO R.A	MLOLONGO	0720815471	
ANISWY KOKA	MLOLONGO	MLOLONGO	0710846958	
DANIEL MUSAU	MLOLONGO	MLOLONGO	0719562592	
JACOB MASLOKI	MLOLONGO	MLOLONGO	0708966688	
OLASMUS NDAMBUKI	MLOLONGO	MLOLONGO	0714454293	
ISWORA NYUNYA	MLOLONGO	MLOLONGO	0719 253814	

1 Fando  
3 male

MLOLONGO & KATANI

19<sup>th</sup> November 2019

**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
1. MARY NJENGA	OLD MLOLONGO INVESTER	Mlolongo	0720269804	
2. JUSTICE KWAKO	NZAG ENTERPRISES	MLOLONGO	0722125935	
3. NELSON MURONGU / ET		MLOLONGO	Paulmurongu@gmail.com	
4. STEPHEN MUIET	HE DIAMOND LTD	MLOLONGO	0720561147	
5. ALEX NOUNGU	MELKAA LTD	MLOLONGO	0711500680	
6. DAVID W. PHILA	JAMBUSH	MLOLONGO	0722873678	
7. KARIUKI	KWETU FARM	MLOLONGO	0722843016	
8. Njisa	KASEBE RARA	MLOLONGO	0723329035	
9. ROSEMARY KANINI	Phase II	MLOLONGO	0725491614	
10. EUNICE RAPHAE	OLD MLOLONGO	Investor	0721693506	

4F  
GM



Kenya National Highways Authority  
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中國路桥工程有限责任公司  
CHINA ROAD AND BRIDGE CORPORATION

MLOLONGO & KATANI

19<sup>th</sup> November 2019



PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
Bosco Koecth	Resident		0728955968	
Andrew Anani	Resident		0728706270	
George Mwakila	RESIDENT	Safari Guide	0721802870	
Nancy Mutunga	"	" "	072290864	
Titus Mwalili	"	BUSINESS MAN	072520311	
Ogega Stephen	"	Residence	0726009706	
Peter Mboroge	Resident	Bussinesman	0729676641	
Mike Mwangi	Resident	Bussiness	0725848918	
STEPHEN KIMWELI	Resident	Bussiness	0727271220	
Jackline Komutso	Resident		0745010311	

9/11

9/11

MLOLONGO & KATANI

19th November 2019

**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

9 males  
1 female

	NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
① M	J. M. WAMUJIA	Resident	/	0712733741	
② M	P. W. WAMUNGE	Resident		0722882578	
③ M	Felix Mutuku	Resident		0798445407	
④ M	John Makosi	Resident		0759270731	
⑤ M	Muthama Ndeto	Resident		0710 781 651	
⑥ F	EMMY GAOHERI	Shareholder		0720 366 878	
⑦ M	Nicholas M. Kithinji	Resident		0757407575	
⑧ M	KENNETH MUMENDA	Resident		0707730637	
⑨ M	Wilson Kinoti	Resident		0721110330	
⑩ M	Benedicic Mung'ali	Resident		072740148	

M LOLONGO & KATANI

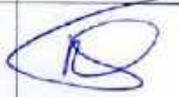
19<sup>th</sup> November 2019

**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

	NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
	1. John kyalo wambare	B community	Mlolongo	0727329273	
	2. Boaz kyalo	The KRS group	Mlolongo	0727779800 boazkyalo1@gmail.com	
10 males	3. GANSON MWATO	Business	MLOLONGO	0713809306	
	4. DANIEL NDAMBUKI	Business	Mlolongo	0720513737	
	5. BONIFACE MUTISO	"	"	0721561542	
	6. ANTHONY WAMBUA	Premises	MLOLONGO	0722663863	
	7. ABEBNECO MURINDA	PASTOR	Mlolongo	0717337953	
	8. CHRIS K. MURITHA	CHIEF COMMUNIT	Mlolongo	0729389288	
	9. BARABAS NZIOLKA	Premises	Mlolongo	0720335640	
	10. Pius Mbindyo	Business	Mlolongo	0726471613	

Mlolongo - Katani  
19th Nov 2019

**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
Ruth Mbiu	Mlolongo	m lolongo	m lolongo 7@gmail.com	
ONG'AGA M. DENNIS	Interior	ACC MLOLONGO	0722342447	
MATHE MAINKI KIKU	INTERIOR	ASSI CHIEF GITHUNKURI	0705092303	
JANE K. MBITHI	INTERIOR	CHIEF KATANI	0713073238	
ERIC W. WONG'ODI	MPS OFFICE - MAUSO	Chief Officer	0729712641	
ESTHER NTAKUNDI	COUNTY ADMINISTRATION	GITHUNKURI VILLAGE ADMIN.	0711816117	
PATRICK MUTHYA	MEDIA	REPORTER	070908279	
PHILOMENA KILONZO	MEDIA	REPORTER	0707550942	
MBEJO	MLOLONGO	ADIM	0721953412	
Goeffrey Nyamukangi	SCSIC	Secretary	0756727272	

4 Females  
6 Males

19<sup>th</sup> November 2019



KATANI & Mlongo

**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

SM  
RF

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
SAMUEL GITAU	RESIDENT		0724772452	
PATRICK W.M	resident		0720805225	
MUSEMBI MUTHUI			0713187541	
RICHARD KYOLE	Resident		0790760588	
BENJAMIN MWANIA	Resident		0784000408	
FELISA MUYARBO	RESIDENT		0721 773865	
FRITH MWIGABE	RESIDENT		0712 896868	
MICHAEL MASAUI	Residency		0727384347	
JAMES MWANIKI	Residency		072050995	
ANTONY MWANDA	Residency		0728778902	



## Minutes of the Public Consultation Meeting for the ESIA and RAP Studies for the Proposed Nairobi Expressway Project Held on 20th November 2019 in Syokimau Location, Mavoko Sub-County.

<b>Subject/Ref</b>	ESIA and RAP Studies for the Proposed Nairobi Expressway Project
<b>County</b>	Machakos
<b>Location</b>	Syokimau
<b>Meeting Venue</b>	Syokimau katani Road
<b>Date and time of Meeting</b>	20 <sup>th</sup> November 2019 at 10:51- 1:52pm
<b>Project representatives Present</b>	Eng. Julie Ondeyo (KENHA) Patricia Agula(KENHA) Damaris Obiera(KENHA) Abdiqalaz Salad(KENHA) Eunice Opondo (CENTRIC AFRICA) Joyce Owino(CENTRIC AFRICA) Joseph Gitu(CENTRIC AFRICA) Allan Owino(CENTRIC AFRICA) Mary Zaritu(CENTRIC AFRICA) Yvonne Wairimu(CENTRIC AFRICA) Michael Kabiru(CENTRIC AFRICA) Jane Kimani (CENTRIC AFRICA) Iddah Mukiri (CENTRIC AFRICA)
<b>Number Of participants</b>	Male: 114  Female: 22
<b>Distribution</b>	KeNHA, CRBC and Centric

### Agenda of the Meeting

The agenda was as follows:

- Opening remarks/ prayer
- Introduction of participants
- Overview of the agenda of the meeting by Centric Africa
- Project Description by KeNHA
- Presentation of the ESIA process and development of ESMP by Centric Africa
- Question and answer session
- Closing and adjourning of main meeting
- Focus group discussions with road user groups

### Commencement of the Meeting

The meeting was opened by the Area Chief who in turn requested a pastor to open the meeting with prayer. He then proceeded to state the agenda of the meeting as a public participation meeting.

The chief introduced the area leadership before inviting the KeNHA and Centric team to take over the meeting.

### Project Description ( Project Manager, KeNHA)

- Eng. Julie Ondeyo provided an overview of the proposed Nairobi Expressway project whose characteristics include:
- A 26.7 km long expressway largely on the median of the existing A8
- The expressway starts from Mlolongo, proceeds to JKIA, Nairobi CBD, Westlands and terminating at ABC place. 26.764km long expressway which includes 15.739km at grade section (Mlolongo to Southern Bypass interchange) and 11.025km elevated section (Southern Bypass interchange to ABC Place)
- The road will comprise four lanes with two emergency lanes to be used by ambulances, fire brigades, police and to cater for other emergency. Some sections will however have six lanes
- There will be service roads, ramps and interchanges
- The road will have a design speed of 80km/hr.
- The road will be fully fenced with controlled access
- The project is a Public Private Partnership under the B.O.T model (Build-Operate-Transfer) between a private investor (CRBC) and Government of Kenya, and will be constructed over a period of 3 years commencing in 2020
- This is the first BOT (Build-Operate-Transfer) road project whereby the (Investor takes revenue risk)
- All facilities will be handed back to the Government of Kenya after a concession period of 30 years, together with its advanced technology and management.
- The cost of construction of the expressway is approximately Kenya Shillings Sixty Billion.
- The road will be tolled for purpose of CRBC recouping their investment. There will be ten toll stations which will also have security cameras.
- There will be no demolition of buildings along the project route. A few perimeter walls may however be affected by land acquisition
- The anticipated benefits of the construction of the expressway include a) Reduced traffic congestion b) Reduced time spent in traffic c) Easier transportation of goods and services hence promoting local economy
- The one-way toll charge for salon cars will be 300 shillings and 1800 shillings for trucks.
- The Contractor will have a comprehensive traffic management plan to avoid or minimize interference with existing A8 road. The plan will entail dumping of construction materials at night.
-

### ESIA Process and ESMP Development ( Centric Representative)

- The Centric representative explained that the requirement for an ESIA is enshrined in the Environmental Management and Coordination Act (EMCA), 1999, (amended in 2015) which is the framework law on environmental management in Kenya. The Act provides for environmental protection through processes such as Environmental Impact Assessment, Environmental Audit and Monitoring.
- The Second Schedule of the Act identifies development of road projects as requiring EIA studies
- By way of consideration of the nature of anticipated environmental and social impacts in terms of severity, ease of reversibility, longevity and the geographical scope which may be impacted by the project, it has been determined the Expressway project will be subjected to a Full ESIA Study to enable an in-depth identification and analysis of potential impacts, and subsequent devising of appropriate mitigation and enhancement measures
- The ESIA process entails screening a project to determine whether an EIA is required or not, and if needed, the level of scrutiny (environmental assessment) that the project should be subjected to. Screening is following by a baseline and scoping study to determine the nature and magnitude of anticipated environmental and social impacts
- Stakeholder consultation is a key aspect of the EIA Study and, is anchored in the Constitution of Kenya 2010 and is also supported by the Public Participation Bill of 2018. It is therefore crucial that stakeholders in any given development are identified and engaged at various levels with an aim of obtaining their views, concerns, suggestions and recommendations, to be incorporated in the project. Centric explained that it is for this reason that stakeholder engagement is being carried out with various parties including line national government institutions, county government, civil society organizations, professional bodies, roadside traders and large establishments fronting the proposed alignment, residents along the corridor and various road users including long distance truck drivers, PSVs, cyclists, pedestrians etc.
- Impact prediction and analysis paves way for the development of the ESMP whereby appropriate mitigation measures are devised for anticipated adverse impacts and enhancement measures are suggested for positive impacts
- The ESIA Consultant will prepare an elaborate ESMP to cater for all anticipated project impacts. Some of the mitigations measures to be proposed will largely be informed by best industry practice, for instance, it may be recommended that the Contractor institutes a grievance redress mechanism during construction and operation of the road, the Contractor rolls out a road safety awareness campaign to mitigate traffic incidents and an HIV/AIDS campaign to mitigate spread of STDs. Further the Consultant may recommend that project workers abide by a stringent code of conduct to curtail adverse impacts to the neighbouring communities.
- Several sub-studies will be carried out as part of the ESIA Study with a view of establishing the baseline. These including air sampling, noise survey, soil sampling, water sampling and biodiversity assessment.
- Statistics such as pertaining to traffic incidents will be collected from relevant institutions to inform the baseline and decision making pertaining to project design

- Centric explained that the Terms of Reference for the ESIA Study had been submitted to NEMA for review and the approval to proceed with the study had been granted
- Once the ESIA Report is submitted to NEMA, the Authority will generate the summary of potential impacts and mitigation measures for publication in two local dailies and in the Kenya gazette. The public will be invited through the advert to peruse the report and give comments over a period of thirty days.
- NEMA will then review the report and make a decision as to whether to issue an EIA license with conditions or not issue the EIA license

#### **Interactive Session with Participants**

The meeting then progressed to an interactive session whereby the participants were given the opportunity to ask questions, make comments, seek clarification, air their views, concerns and recommendations for incorporation into the project development.

**Table 1: ISSUES RAISED AND RESPONSES GIVEN**

Topic	Participant	Issue Raised	Responses
Project design	David Mutuku-MCA  Erick Nzola-Civil Engineer  Harrison Kinyanjui-Resident  Dickson-Resident	Enquired on how traffic will be controlled as the project will be ongoing.  Enquired on how he could get a detailed design Enquired whether the diversion routes had been identified  Requested that a flyover be constructed at the junction.  Enquired on how soon the final designs will be out for public viewing.	Diversions will be provided by the traffic management to control traffic nonetheless the elevated section will not cause any interference.  The final design is not yet out as more information is still being gathered such as particulars of the footbridges and also recommendations from the ESIA report.  Flyovers will be put up in areas of dense population and depending on access to social amenities such as churches and schools.  The final design will be put out to the public for viewing as well as the ESIA report will be published in the newspapers and will be available on the NEMA website.
Project costs	Resident	Enquired on why the total cost of the project was higher than Thika road	The expressway provides value for money and has a different design from the Thika super highway.
Compensation	David Mutuku-MCA	Enquired on whether there would be any compensation	The design of the expressway is at the Midian of the existing highway so as to ensure minimal disruption and destruction of property.
Employment	Jimmy Nguli-Resident	Enquired on whether the contractor would have a side office where people would apply and be accepted for jobs	There will be a labor engagement liason officer who will ensure that employment opportunities will be prioritised to the locals.

Topic	Participant	Issue Raised	Responses
Air Quality/Sanitation	Erick Nzola-Civil Engineer	Enquired on the drainage system that would be used during the construction and to be able to control rain water	Effective drainage system will be included in the final detailed design to ensure controlled storm water.
	Robert Mbuni-Resident	Enquired on where the drainage channels are leading to	All this details will be included in the detailed project design.
	Jimmy Nguli-Resident	Enquired on whether the contractor would use blasting.	Monitoring will be done to ensure that the contractor complies with blasting regulations during construction.
Project Effects	Erick Nzola-Civil Engineer	Enquired on how vibrations caused by blasting would be controlled	Monitoring will be done to ensure that the contractor complies with blasting regulations during construction.
	James Gitonga-Resident	Enquired on whether their Syokimau water project would overlap with this proposed project	The construction will integrate with other projects to ensure that they continue with minimal distractions even as the construction of the expressway commences. The design will consider utilities and will accommodate them in the final detailed design.
		Enquired on the issue of access of utilities such as water and electricity once the project starts	The expressway will not interfere with any roads especially the syokimau roads as they are not within the route of the expressway.
		Enquired on how many and which roads in syokimau would be closed to allow for construction.	
Corporate Social Responsibility	Dickson-Resident	Enquired on which CSR the contractor hoped to do.He further suggested the construction of other linking roads so as to be able to beat traffic. The suggested roads were Mwananchi, Kiungani	All CSR suggestions will be considered and deliberated upon.

Topic	Participant	Issue Raised	Responses
		and parliament road.	
Toll Stations	Maina Kibe-Resident	Enquired on how the toll stations will work in order to avoid cars queuing on the expressway when paying	There have been considerations of using automatic systems by NTSA. All this is in the process of assessment so as to eliminate queues in the toll stations.
General	John Mutinda Mwanzia- Environmental Team Leader, syokimau	Reiterated that Machakos has not benefited from any development projects.  Enquired whether City cabanas jam would be addressed in this project.  Enquired on how much research had gone into the project	It is a misplaced statement to say that the government has not done anything for the residents of Syokimau as the Mombasa road used to be a single carriage and was later expanded to a dual carriageway. The interchange at City Cabanas was being looked at by KURA and there had been delays due to issues of land, all which have been ironed out and construction will begin soon.
	Robert Mbuni- Resident	Enquired on which recommendations centric will give for the project	Intensive research has been carried out that has determined the expressway will significantly reduce traffic as 30% of the population might choose to use the expressway, leaving 70% on the currently existing road hence reducing traffic.
	Shadrack Mutei- Resident	Enquired on what would be of the project if the intended positive impact wasn't met, would the investor stop charging and cancel the project.  Enquired on the exact	Depending on the effects of the project, the ESIA report will include mitigation measures in regard to the air quality, sanitation and biodiversity so as to reduce

Topic	Participant	Issue Raised	Responses
		location of the contractors campsite	<p>the negative effects of the project.</p> <p>The investor is taking he's own risk on the project and hence will bear all losses and profits.</p> <p>Since the contractor had an existing camp where he has worked on other projects, he will still use that camp which is on the Southern bypass.</p>

#### Closing and Adjournment

The ESIA Consultant thanked the participants for creating time to attend the meeting. The Consultant said that the adjournment of the meeting did not signal the end of engagement. The participants were invited to share further comments and views via the address provided in the project background information document.

The ACC reiterated that it is important for project affected people to be consulted first before commencing the construction. He made his closing remarks by thanking the public for availing themselves for the meeting despite their busy schedules and for the contributions they had made on behalf of Syokimau community.

The meeting ended with a word of prayer from one of the residents:

#### Confirmation of Minutes

Minutes prepared by: Centric Africa

Date 16/12/2019

Minutes confirmed by: ONGAGA DENNIS

Date 16/12/2019

Position



## ANNEX I PHOTOS OF THE PUBLIC BARAZA MEETING



Photo 1: Public Baraza Meeting at Syokimua



Photo 2: One of the stakeholder expressing his views



Photo 3: KeNHA representative addressing the baraza



Photo 4: Centric Africa representative addressing the baraza

## ANNEX II PUBLIC BARAZA ATENDANCE LIST

SYOKIMAU - KARIAKI ATTENDANCE  
10 - MATES

PUBLIC CONSULTATION

**FOCUS GROUP DISCUSSION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

NAME	DESIGNATION	GENDER	TELEPHONE NUMBER/ EMAIL	SIGNATURE
1 Michael Wachira	SRA (OM)	M	0722626078	
2 Martin Muchosi	SYOKIMAU	M	0721683371	
3 Enock Mijoro	Syokimau	M	0721323528	
4 JEREMA OMWESA	SYOKIMAU	M	0722947734	
5 Nelson Ndombi	Hilton Garden Inn	M	0725815254	
6 VINCENTI KAMUOLA	CHAMUKWU Fruit Vendor	M	072162674	
7 JARATH MBOCEN	VENDOR	M	0716931780	
8 LAMECK OMANY	SYOKIMAU RESIDENT	M	0722839960	
9 DICKSON WATHOMO	GATEWAY MALL	M	0731713448	
10 Ndusa Kavulunge	KARAN Community road	M	0725851396	

**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
JULIUS MUSYOKI	SYOKIMAU CABS	CHAIRPERSON	0710203712 JMUSYOKI8@gmail.com	
Olad Farah	SYOKIMAU RESIDENT	Resident	0726449014 oladfarah63@yahoo.com	
DANUSO - M - FLORIS	BODABODA SACCO	Branch Manager	0713127539	
KYALO MUCI	BODABODA		0725740658	
James Mwangi	BIASAKA		0721142248	
Ruth Mbiu	Constituency office Mwaraka	Mbaringo	0720922714	
Khadija Mwendha	Kitengala	Housewife	0722394939	
Grace Maswa	Business		0722332576	

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SYOKIMAU KATAN I

**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

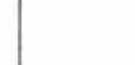
NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
Vincent Tori			0720238273	
STEPHEN ONTHEKA	SBA	Syokiman	0796448170	
Denich Wambua	SBA	Syokiman	0718156796	
Geoffrey Ondieni	SBA	Syokiman	0720207886	
Kemei Job	SBA	Syokiman	0722 339456	
Abraham Kisily	SBA	Mlolongo	072347023	

M-6

SYDOR MAMU / KAFANI

**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

M-4  
N-4

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
1 Mildrin Lumonye	KenHA	ACC	m.lumonye@kenha.or.ke	
2 Abdourahmane Salat	KenHA	E-E SS	abdourahmane.salat@kenha.or.ke	
3 Iddah Muchena	Centric Africa	ETHS	ihankwajambon	
4 Joyce Othman	Centric Africa Office of the Media Mombasa/Siaya	Social Safeguard Partnership Assistant/ -Lower REP.	joyce@centric-africa.com j.othman@centric-africa.com 0714 294705/ 0745 679673	
5 Waciffe Odier	Resident	Logistics	0722318002 jacksonmukalizi@gmail.com	
6 Jackie Mui	Resident		0715487813	
7 Richard Luma	Resident		0722317107	
8 Maimuna Juma	Resident		0725 269131	
9 Pius Mpingo	Resident			
10				



Syokimau KATANI ATTENDANCE

11 - MARCH



PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
1. SPESERIKI J. M. OJOKI	DIAMOND LTD	DIRECTOR	0720561147	[Signature]
2. DENIS ANSOENYI	SYOKIMAU	RESIDENT	0714376743	[Signature]
3. Samuel Moywaywa	Syokimau	Resident	0722601316	[Signature]
4. GODWIN MATHENGO	Syokimau	RESIDENT	0721663412	[Signature]
5. John Mutinda	Syokimau	Resident	0722887264 072288	[Signature]
6. Mohamed Husein	Syokimau shell	Director	0718240050	[Signature]
7. GIDEON OSALLO	Syokimau	Resident	0722433181	[Signature]
8. MOSES TANIGARA	SAWAAL	RESIDENT	0722722094	[Signature]
9. John M. MUSAKI	Syokimau	Resident	0722-28-27-63	[Signature]
10. RONNY O. OKEL	Syokimau	Resident	0712934112	[Signature]
11. MAINA KIBE	Syokimau	"	0722370840	[Signature]



Kenya National Highways Authority  
Quality Highways, Better Connections



中國路桥工程有限责任公司  
CHINA ROAD AND BRIDGE CORPORATION

SYKIMAU - KATANI ATTENDANCE  
1# MATES -



**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
1 KIPROTICH FELIX	BODA BODA	RIDER.	0724956656	
2 KOECH KIPKEMOI	Onesie limited	DRIVER	159 0752155791	
3 Kibet Nyakson	Onesie limited	BDO	0798028405	
4 Rosari Mbugu	Residence	Residence	0711826992	
5 RICHARD KINGORI	TAXI operator	driver	0711217977	
6 Philip Ngure	TAXI operator	Driver	0725292378	
7 John Kieni	TAXI operator	Driver	0706226011	
8 Cosmas Kyalo	TAXI operator	DRIVER	0718490559	
9 Kevin mald	Residence		0711638441	
10 John Ochieng	resident		0737960083	
11 Robert Nguni	"		0722487087	

SYOKIMAU KATANI

**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
Daniel Musyoka		Syokimau Resident	0722 607752	
HARRISON KINYANJU	M.E.D.S	Administration Manager	0734718172	
MATHEN MAINKI KIILI	INTERIOR	ASST CHIEF GITHUNGURI	0705092303	
ONGAGA M. DEJAS	INTERIOR	ACC MLOLONGO/ KATANI	0722342447 0733342447	
OMOGO OTIENO			0732305707	
SARAH JACOBS	SYOKIMAU	Syokimau Resident	Sarahjacobs040@gmail.com 0723762796	
FELIX MAMBO	Syokimau	Resident	mfelixmambu@yahoo.com	
Dorothy Musyoka	SYOKIMAU	Resident	Mueno Kimuli@yahoo.com	
Juliet W. Karungu	Syokimau SRA	Resident	0722621558 kijalaf@gmail.com	
ERIC M. NZOLA	SYOKIMAU SRA	Resident	0721 247714 NZOLAERIC@GMAIL.COM	

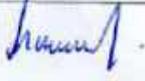
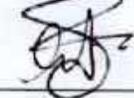
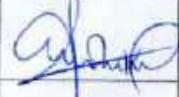
Syokimau - Katani

**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
1. Ofweli Benedict Nasero	Wollanand Research	Owner	0722473152	
2. Mzee Hamisi Ngutu	Vinpoint Academy Mlolongo	Member	0722888072	
3. Johnson Mutunga	Mlolongo	Director	6759 411 897	
4. MORRIS MUMBI	MURANGA I	DIRECTOR	mmorrownke@telnet.com 072225671	
5. Christopher Makau	(BODA BODA ASS.) Samsa Sacco	Mlolongo	0705215422	
6. Alex Mutiso	Samsa Sacco	Director	0726830864	
7. Kelvin Ouma	Samsa Sacco	Syokimau	0723454052	
8. Dennis Mutimiri	SAMSYO SACCO	Syokimau	0793859614	
9. Felix Mutho	SAMSYO	Syokimau	0702176482	
10. Gibson Chege	Mlolongo	Mlolongo	0724245799	

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PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
Karungo Njoro ge	Syokimau	SRA	0721560102	
Anthony Kuria	Syokimau resident	SRA	0727-851127	
Juzius K. Muriuki	PIA Office of the MCA Mombasa Syokimau Ward.	PIA	0720-419904	
BITONGA MUTHITHI	Syokimau Business Association	SBA	0721577778	
Charles Mwigai	St. Joseph Catholic Church	S.R.A	0724752589	
RIZIKI EKUMBO	Syokimau resident		0704135766	
* JANE - K. MBIANI	Interior	Chief Katani	0713073238	
Alex Mutuku	Boda Boda	Chairman	0710177505	
Phuph Mwendyo	masson		0224509251	
ERIC NYANDIKA	Syokimau Resident		0725494255	

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SM

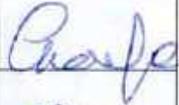
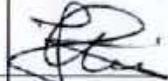
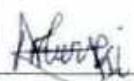
**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
JAGTAR SINGH	Brother Electronics Ltd.	director	0724-448-448 brotherelectronicsltd@gmail.com	
BEATRICE OMETO	BUSTANI JILLAS RESIDENT	RESIDENT	0721486953 BEATRICE-OMETO@GMAIL.COM	
Rasugu Makana <sup>20/11/2019</sup>	KATANI Resident/Business	Resident	0720818277 maarif2010@yahoo.com	
Abdiaziz Sheikh n	Resident/Business	Business man	0722754512	
Sam Omwenga	Resident	Scientist	0724636060	
Paul Mungai Muriu	RESIDENT	BUSINESS	0731752540	
ERNEST OKIDE	Tuk. BUSINESS	BUSINESS	0710464535	
FELIX MURANGI	BUSINESS	BUSINESS	0721789806	
DOMINIC MOMATI	Resident	Business	0725667996	
Peter Katu	Resident	Business	0720571450	

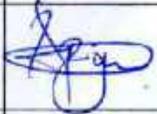
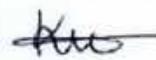
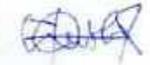
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**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

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NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
CATHERINE KITEE	NAIROBI CONSTITUENT OFFICE		015142 149	
<del>George Mwangi</del>	<del>Syokimani</del>		<del>0720370502</del>	<del></del>
Solomon K MUCOSE	Syokimani		0722695880	
Maxwell Omondi	Natural Justice			Mark
Mark Ombui	" "		mark@naturaljustice.org	<del></del>
Johnson Muthoka	Syokimani		0720412969	
Wairimu Mutunga	Business Man		0707840334	
Anthony Ochieng	Syokimani		0722659671	
Elizabeth Njiru	CROSSPOINT ASSET		0722373254	
FELIX MUYOKI	ECOCARE CONSULTANTS LIMITED	HSE OFFICER	0708181719	

**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
ONGAGA M DENNIS	INTERIOR & COORDINATION	ACC MLOLONGO	0722342447 0733342447	
DAVID O. JUMA	INTERIOR & COORDINATION	D.G.S.H.A.	0723812693	
Rahisa Agula	KENHA	S-(ESS)	0723729380	
Eunice Opondo	Centric	Environmentalist	0724646852	
DAVIS K. MUTHUKA	INTERIOR AND COORDINATION	CHIEF	0713101996	
JIMMY NAWU	Katani Constituency Residents Ass. (KORA)	CHAIR	0722711258	
Hon Daniel Mbeu	Machakos County Assembly	MCA	0722858845	
Jane Kimani	Centric	Sociologist	0710386851	
Tvonne Wanjiru	Centric	Environmentalist	0719380444	
Damaris Obiero	KENHA	ESS (S)	0707900553	

M-S  
N-S

SYOKIMAU - KATANI

**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

	NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
1	URBANUS MBONYE	SYOKIMAU RESIDENCE		0713205251	
2	SAMSON MUTENJO	SYOKIMAU RESIDENCE		0728545984	
3	CHENG'OLE KARERA	S.R.A		0720297331	
M-9 K-1 4	GEORGE D. ABONYO	S.R.A		0708794784	
5	EDWARD BEN	SYOKIMAU RESIDENT		0724643977	
6	DAVID MUTHI	"		0722797181	
7	ZACHARIAH MURONGI	SYOKIMAU RESIDENT		0721631651	
8	NEEMA NJUMBI	SRA		0722408534	
9	KARINA NGIKI	SRA		07223580725	
10	JAPHETH MATHIAS	RESIDENT		0722687679	

**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

M-9  
N-1

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
Kawuki Githaiga	Syokimau		0722-319695	
Yussuf Mohamed	Katani		0724864697	
George Mlonzi	Syokimau		0721802859	
Christopher Buttuk	Syokimau		0715167030	
Mutinda Nduki	Syokimau		0704963826	B.M. Nduki
Kipko RE Benjamin	Syokimau Benjamin		0723101646	
Meroy Mbuba	Mlolongo Investors Association		0722335530	
Samuel Makong Kiba	Mlolongo		0721284179	
Muli Nduka	Mlolongo		0720929199	
GODFREY TOKA	Continental Inn Mlolongo	Mgr	0721344907	

**Minutes of the Public Consultation Meeting for the ESIA and RAP Studies for the Proposed Nairobi Expressway Project Held on 26th November 2019 in Imara Daima Location, Nairobi Sub County.**

<b>Subject/Ref</b>	ESIA and RAP Studies for the Proposed Nairobi Expressway Project
<b>County</b>	Nairobi
<b>Location</b>	Imara Daima
<b>Meeting Venue</b>	City Cabanas Imara Daima
<b>Date and time of Meeting</b>	26 <sup>th</sup> November 2019 at 2:54- 4:40pm

<b>Project representatives Present</b>	Eng. Stanley Mwawasi (KENHA) Eng. Julie Ondeyo (KENHA) Damaris Obiera(KENHA) Eunice Opondo (CENTRIC AFRICA) Joyce Owino(CENTRIC AFRICA) Joseph Gitu(CENTRIC AFRICA) Allan Owino(CENTRIC AFRICA) Mary Zaritu(CENTRIC AFRICA) Yvonne Wairimu(CENTRIC AFRICA) Jane Kimani (CENTRIC AFRICA) Iddah Mukiri (CENTRIC AFRICA)
<b>Number Of participants</b>	Male: 151 Female: 49
<b>Distribution</b>	KeNHA, CRBC and Centric

**Agenda of the Meeting**

The agenda was as follows:

- Opening remarks/prayer
- Introduction of participants
- Overview of the agenda of the meeting by Centric Africa
- Project Description by KeNHA
- Presentation of the ESIA process and development of ESMP by Centric Africa
- Question and answer session
- Closing and adjourning of main meeting
- Focus group discussions with road user groups

## Commencement of the Meeting

The meeting was opened by the Assistant County Commissioner who in turn requested a pastor to open the meeting with prayer. He then proceeded to state the agenda of the meeting as a public participation meeting.

The ACC introduced the area leadership before inviting the KeNHA and Centric team to take over the meeting.

## Project Description ( Project Manager, KeNHA)

- Eng. Stanley provided an overview of the proposed Nairobi Expressway project whose characteristics include:
- A 26.7 km long expressway largely on the median of the existing A8
- The expressway starts from Mlolongo, proceeds to JKIA, Nairobi CBD, Westlands and terminating at ABC place. 26.764km long expressway which includes 15.739km at grade section (Mlolongo to Southern Bypass interchange) and 11.025km elevated section (Southern Bypass interchange to ABC Place)
- The road will comprise four lanes with two emergency lanes to be used by ambulances, fire brigades, police and to cater for other emergency. Some sections will however have six lanes
- There will be service roads, ramps and interchanges
- The road will have a design speed of 80km/hr.
- The road will be fully fenced with controlled access
- The project is a Public Private Partnership under the B.O.T model (Build-Operate-Transfer) between a private investor (CRBC) and Government of Kenya, and will be constructed over a period of 3 years commencing in 2020
- This is the first BOT (Build-Operate-Transfer) road project whereby the (Investor takes revenue risk)
- All facilities will be handed back to the Government of Kenya after a concession period of 30 years, together with its advanced technology and management.
- The cost of construction of the expressway is approximately Kenya Shillings Sixty Billion.
- The road will be tolled for purpose of CRBC recouping their investment. There will be ten toll stations which will also have security cameras.
- There will be no demolition of buildings along the project route. A few perimeter walls may however be affected by land acquisition
- The anticipated benefits of the construction of the expressway include a) Reduced traffic congestion b) Reduced time spent in traffic c) Easier transportation of goods and services hence promoting local economy
- The one-way toll charge for salon cars will be 300 shillings and 1800 shillings for trucks.
- The Contractor will have a comprehensive traffic management plan to avoid or minimize interference with existing A8 road. The plan will entail dumping of construction materials at night.

### ESIA Process and ESMP Development ( Centric Representative)

- The Centric representative explained that the requirement for an ESIA is enshrined in the Environmental Management and Coordination Act (EMCA), 1999, (amended in 2015) which is the framework law on environmental management in Kenya. The Act provides for environmental protection through processes such as Environmental Impact Assessment, Environmental Audit and Monitoring.
- The Second Schedule of the Act identifies development of road projects as requiring EIA studies
- By way of consideration of the nature of anticipated environmental and social impacts in terms of severity, ease of reversibility, longevity and the geographical scope which may be impacted by the project, it has been determined the Expressway project will be subjected to a Full ESIA Study to enable an in-depth identification and analysis of potential impacts, and subsequent devising of appropriate mitigation and enhancement measures
- The ESIA process entails screening a project to determine whether an EIA is required or not, and if needed, the level of scrutiny (environmental assessment) that the project should be subjected to. Screening is following by a baseline and scoping study to determine the nature and magnitude of anticipated environmental and social impacts
- Stakeholder consultation is a key aspect of the EIA Study and, is anchored in the Constitution of Kenya 2010 and is also supported by the Public Participation Bill of 2018. It is therefore crucial that stakeholders in any given development are identified and engaged at various levels with an aim of obtaining their views, concerns, suggestions and recommendations, to be incorporated in the project. Centric explained that it is for this reason that stakeholder engagement is being carried out with various parties including line national government institutions, county government, civil society organizations, professional bodies, roadside traders and large establishments fronting the proposed alignment, residents along the corridor and various road users including long distance truck drivers, PSVs, cyclists, pedestrians etc.
- Impact prediction and analysis paves way for the development of the ESMP whereby appropriate mitigation measures are devised for anticipated adverse impacts and enhancement measures are suggested for positive impacts
- The ESIA Consultant will prepare an elaborate ESMP to cater for all anticipated project impacts. Some of the mitigations measures to be proposed will largely be informed by best industry practice, for instance, it may be recommended that the Contractor institutes a grievance redress mechanism during construction and operation of the road, the Contractor rolls out a road safety awareness campaign to mitigate traffic incidents and an HIV/AIDS campaign to mitigate spread of STDs. Further the Consultant may recommend that project workers abide by a stringent code of conduct to curtail adverse impacts to the neighboring communities.
- Several sub-studies will be carried out as part of the ESIA Study with a view of establishing the baseline. These including air sampling, noise survey, soil sampling, water sampling and biodiversity assessment.
- Statistics such as pertaining to traffic incidents will be collected from relevant

- institutions to inform the baseline and decision making pertaining to project design
- Centric explained that the Terms of Reference for the ESIA Study had been submitted to NEMA for review and the approval to proceed with the study had been granted
  - Once the ESIA Report is submitted to NEMA, the Authority will generate the summary of potential impacts and mitigation measures for publication in two local dailies and in the Kenya gazette. The public will be invited through the advert to peruse the report and give comments over a period of thirty days.
  - NEMA will then review the report and make a decision as to whether to issue an EIA license with conditions or not issue the EIA license

### Interactive Session with Participants

The meeting then progressed to an interactive session whereby the participants were given the opportunity to ask questions, make comments, seek clarification, and air their views, concerns and recommendations for incorporation into the project development.

Topic	Participant	Issue Raised	Project Representatives Responses
Project Cost	Nicodemus Aleko-Resident  Nyayo Samuel-Resident	Raised a concern that the project was for the rich and was not viable to the poor  Enquired on the total cost of construction of the project	A survey was done that showed that 30% of the people might opt to use the expressway, and 70% will opt to use the existing highway, decongesting the highway by 30%, hence the expressway is a win situation for everyone. The project will cost approximately 60 Billion Kenyan shillings.
Project design	Ephraim Kanake-Plansview Estate(Chair)  Saidi Mutei-Assistant Chairman in trade	Enquired on whether the design had considered people who were blind or had disability as well as people who needed to move their livestock from one place to another.	The design will factor in the needs of people living with disability and provide appropriate utilities such as ramps to aid in their transportation. Livestock keepers will also be factored in in the design stage.

Topic	Participant	Issue Raised	Project Representatives Responses
Compensation	<p>Kizito Oyugi - Resident</p> <p>Ombati Daniel -Resident Nyakundi</p>	<p>Enquired on whether there would be any compensation for the affected roadside traders.</p> <p>Enquired on whether there would be compensation for disturbance.</p>	Compensation will be done for all project affected people.

Topic	Participant	Issue Raised	Project Representatives Responses
Employment	Nyayo Samuel-Resident	Enquired on whether there would be any jobs for the youth	The project will employ 3000 people for the construction period of 3 years and 500 people during the operation period of 27years.
	Bernard Ondiek Resident	Enquired on what measures would be taken to ensure that employers don't come with their own labour, making the residents lose out on job opportunities	The project will maintain the virtue of transparency especially when it comes to job allocation and will be vigilant to ensure ensure gender equality and inclusivity
		Raised concerns that women are looked down upon when they seek employment in construction sites	This issue will be looked into and the contractor will ensure there is gender balance and that women are prioritized when it comes to allocation of jobs
		Enquired on whether women would be allowed to sell their foodstuffs to the people working on the construction sites	This issue will be looked into and the contractor advised on the same.

Topic	Participant	Issue Raised	Project Representatives Responses
Project Timelines	Titus Otieno- Resident	Enquired on the project timelines	The project will run for a period of two to three years, beginning from 2020 to 2023
Social Issues	Mohammed Soba- Resident	Enquired on how issues of paternity would be handled in the case of irresponsible sexual behaviour between the Chinese and the locals.	Every contractor signs a code of conduct which holds them accountable for any action that they involve themselves in and in this case the law of the land would still stand on issues of child support and DNA tests.
	Sadia- Chairlady (social issues in South B) and business woman	Enquired on what measure will be carried out to inhibit the spread of sexually transmitted diseases in the community during this project duration.	Trainings on sexual health and reproduction would be carried out in the community to enlighten the locals on this matter..
Biodiversity	Nicodemus Aleko- Resident	Enquired on what would be done for the affected trees and flowers	An ecologist has been engaged to carry out studies on the species, age and types of the biodiversity affected and recommendations will be given to the contractor on how better to improve the environment once the studies are concluded.
Corporate Social Responsibility	Stephen Okoth- Resident	Enquired on which C.S.R would be carried out in the area	The contractor will be advised in regards to C.S.R but it is based on their own discretion since this is a private project.

Topic	Participant	Issue Raised	Project Representatives Responses
Toll fees	Brian-Youth	Enquired on whether the toll fees would be three hundred for one way or two ways	The toll fees will be 300 for one way for small cars and will vary depending on where you exited from or joined the expressway from.
	Gatobu Eric-Youth	Enquired on whether boda boda rider's would be allowed to use the expressway and how much they would be charged if so.	There was no clear answer to this question, though KENHA was going to look into it.
	Jack- Resident	Enquired on how paying of toll fees would work	There will be automatic detectors that will read number plates so as to know how many kilometers one has travelled and the cost calculated. At the same time there will also be manual detectors to help in the same exercise for older cars whose number plates cannot be automatically detected.
	John Kinywa-Resident	Enquired on where the toll fees would go to	The toll fees would be collected by the private investor since he invested his own money to construct the expressway.

Topic	Participant	Issue Raised	Project Representatives Responses
General	<p>Titus Otieno-Resident</p> <p>Simprose Otieno-Resident</p> <p>Brian-Youth</p> <p>Gatobu Eric-Youth</p> <p>John Kinywa-Chair (Embakasi Village Trust</p> <p>David-Resident</p>	<p>Enquired on what would be done to ease congestion during construction.</p> <p>Enquired on whether ambulances will be charged</p> <p>Enquired on how people ferrying the sick with personal cars will be charged.</p> <p>Enquired on why the government was going to be handed back the project after a concession period of thirty years.</p> <p>Enquired on whether their link roads would be upgraded</p> <p>Enquired on whether there was an exit route to town</p>	<p>The road is being constructed in the Midian of the existing road hence there will be minimal distractions to the existing road. Dumping of construction materials will also be done at night. Ambulances, Fire extinguishers, security cars, the police will use the expressway for free to be able to cater better for their citizens.</p> <p>There is no clear answer to this question for now though KENHA was going to look into it because issues of honesty and transparency might come up.</p> <p>For 30 years the project would be in the hands of a private investor who used his money to invest in the project and after 30 years the project would be handed back to the government and the road would be free.</p> <p>Link roads are under KURA and the information would be passed on to them</p> <p>There will be 10 exits to enter into cities and towns.</p>

**Confirmation of Minutes**

Minutes prepared by: Centric Africa

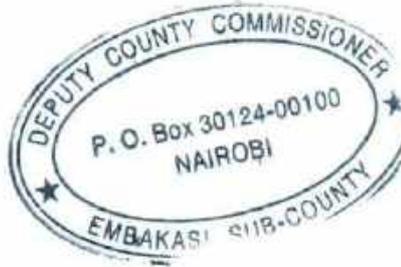
Date 16/12/2019

Minutes confirmed by: 

Date 16/12/2019

Position

Assistant County Commissioner I  
Embakasi Sub-county



**ANNEX I PHOTOS OF THE PUBLIC BARAZA MEETING**



Photo 1: Public Baraza Meeting at Imara Daima



Photo 2: One of the stakeholder expressing his views



Photo 3: KeNHA representative addressing the baraza

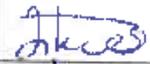
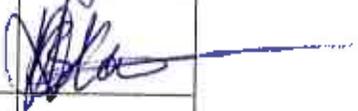
## ANNEX II PUBLIC BARAZA ATENDANCE LIST

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**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
1 CATOLIC M'UKURIA	Franchise services	pipeline	ProfMsefiri@gmail.com 0719283102	
2 Kalula Misoti	Kavanas	T. Sami	0726360695	
3 ELIZABETH WANGUI	Cabanas	A.A. Njenga	0757677946	
4 Yvonne Ayuma	Cabanas	pipeline	0702710183 yvonneayuma95@gmail.com	
5 Victoria mutuku	Cabanas	pipeline	0748941682	
6 JOHN Masyoki	Cabanas Muhuru Kariakoo	MUSIKIWA KWA KUBERA	0718353969	
7 Ulofrey Sagana	Porato hooban	member	0725181529	
8 DAVID KATHITA	ELDER	EMBARKAS	071871664 davekathita@gmail.com	
9 MORINE KEMUNDO	NJENGA	EMBARKAS	0717752443	
10 DUNCAN MWAKO	Cabanas	pipeline	0714349868	

FOCUS GROUP DISCUSSION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES

	NAME	DESIGNATION	GENDER	TELEPHONE NUMBER/ EMAIL	SIGNATURE
1	EVANS MOGAGA	KWANGENGA	MALE	0722796473	
2	GERARD MUTOKU	PIBUNG	MALE	0721297966	
3	JOHN KIWIZI	DEUBEN	MALE	0724059413	
4	BONIFACE KIKKO	PIPELINE	MALE	0724688820	
5	ALFRED KASENGE	NJENGA	MALE	0701952544	
6	MAURICE MAINZI	NJENGA	MALE	0718448384	
7	VICTOR MULINGE	NJENGA	MALE	0792908628	

4-female  
6-male

IMARA

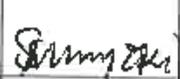
PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
1 Mahomed Hassan Adam	Citizen	Imara Daima	0722901080	
2 Faik Joel	Citizen	Imara Daima	0740774953	
3 Mary Thelma	Tassia catholic primary & NNY school	Deputy head mistress	0729944369	
4 Rosebella Adhiambo	Citizen	Imara Daima	0726617112	
5 Ruth Mwakachi	Citizen	Imara Daima	0725176672	
6 Cosmas Mwangi	Switch TV	Nairobi	0705518434	
7 Francis Hampan	SWITCH TV	NAIROBI	0114676802	
8 Joseph Adu Mubuni	centric Africa	Communications	0700474035	

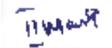
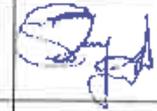
1 family  
9. males

IMARA

**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
1 STEPHEN O. ENOTONG	INTERIOR	ACC EMBARAKI	0729474065	
2 ROSEMARY MWIKALI	MAPO WA KIWITI	TASSIA 3	0719592817	
3 TOM UYANGI	NYUMBAKUMI	KWA REDBAY WESNYA	0721461971	
4 MISHACK MUSAHA	INTERIOR	ACC EMBARAKI	0727061992	
5 CHARLES MAKINDA	IO HOUSE	KWA NJENGA	0722367508	
6 FREDRICK AURA	IO HOUSE	IMARA K6	0714439153	
7 INSTAFFAH ABISI	IO HOUSE	IMARA	0794534867	
8 STEPHEN MUMYOKI	BODABODA	PIPELINE	0726318902	
9 JACKSON N. KAROKI	NG-CDF	PIPELINE	0917639529	
10 ERIC AMBUCHIE	SUNUS OUTREACH PROGRAMME	DIRECTOR	072243364	

**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

	NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
1	PAUL A. CHANDOEK	INTERIOR MINISTRY	SNR CHIEF	0713241006	
2	MICHELI NKANYA	"	" "	0722747346	
3	JUSTUS KIEMA	"	ASST/CHIEF	0723738680	
4	VINCENT MATHYS	"	ASS. CHIEF	0725656914	
5	DAVID NDIRANGA	"	CHIEF	0721211327	
6	BARNAB MOTOYA	chief urban net work	Chairman KNA-NTENGA	0725465783	
7	ALIO GOTO	INTERIOR MINISTRY	ASS/CHIEF	0720584865	
8	STEPHEN OKOTH	NATIONAL YOUTH COUNCIL	CHAIRMAN EMBARAKASI SOUTH	0715091794	
9	PAUL MUSEMBI	INTERIOR MINISTRY	SENIOR CHAIRMAN KNA-NTENGA	0720801376	
10	Dominic Nduwaya	CHIEF WDF chairman	DEPUTY SENIOR " CHAIRMAN	0723457431	

2 - female  
3 - male

IMARA

**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

	NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
1	ABEL MORANGA	ELDER	REUBEN	0723089298	
2	BARASA DOCTOR	ELDER	REUBEN	0714839628	
3	ALICE ACHIENG	ELDER	REUBEN	0710883537	
4	GIDEON MASAKU	ELDER	REUBEN	0712733831	
5	JUSTUS OBATI	NYUMBA KUMI	REUBEN	020258332	
6	GEORGE ELISHA	NYUMBA KUMI	REUBEN	0728821180	
7	BENJAMIN MOTHAM	Youth	REUBEN	0712996526	BM
8	PETER NJONGU	NYUMBA KUMI	REUBEN	N/A	
9	EVANS NYAKINDI	Youth	NTENGA	0725454969	
10	ROSELYNE MUKANGA	Elder	REUBEN	0726014544	

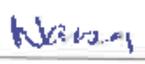
**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

	NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
1	JOSHUA BOBIRIA ANKENITI			0732854149	
2	Chairman Kiburu Karisai			0726360695	
3	Chairman Mwendu			0727886700	
4	Peterson Nyangi			0724117151	
5	Wycliffe Ombara			0724801095	
6	Samuel King'ori			07164051103	
7	Benard Nj'ang'ia			0709354219	
8	Syrus Mbenelo			0723590833	
9	George Mutimi			0715529496	
10	Musa Masoni			0727408542	

5 forms  
 5 mals.

IMARA

**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

	NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
1	ERIC BOMBI JOEL			0740774953	
2	HEZRON INDIKWA			0718089362	
3	Damaris Juma	MOTO MOTO ZONE		0718253589	
4	Monica KILOLE	MOTO MOTO ZONE		0712958490	
5	SALOME MUNYAO	MOTO MOTO ZONE		0712 110520	
6	NICO MWIKALI	MOTO MOTO NONE		0729 533 101	
7	Jane NYAMALWA	MOTO MOTO NONE		0725 960450	
8	JOICE MURATIYA	MILIMANI - ZONE		0711491425	
9	Charles Ombira	Gateway - zone		0721594822	
10	Angelina Wanza	Gateway-zone		0726563199	



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CHINA ROAD AND BRIDGE CORPORATION

3 females  
7 males

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AFRICA LTD

**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

	NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
1	Zachary Wachungu			0710970252	
2	Jackline Mwangi			0726309494 0726309494	
3	Georgina Muthoni			0721465806	
4	Evans Mwangi			0728646022	
5	ALBERT OJARA			0728598595	
6	Hylona KESHI			0729387534	
7	Joseph Mwangi	Lider		0723242726	
8	LORNA MURATI			0704884536	
9	MARUKA MURATI			0745054173	
10	George Ombati			0726309494	

2- forms  
3- weeks.

IMARA

**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

	NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
1	Annie Njoki Kihato	RIARA ZONE		0723436955	
2	CHLOBAH VINCENT	IMARA		0798184879	
3	IBRAHIM ISAC	MOTOMOTO		0721577150	
4	FLORENCE WAKESHO	RIARA ZONE		0706945199	
5	SAMUEL KINGORI	RIARA ZONE		0716405143	
6	Peterson Nyangi	RIARA ZONE		0724117151	
7	WILCLIFFE OBARA	RIARA ZONE		0724801095	
8	Bernard Nyanga	RIARA ZONE		0701354219	
9	Henry Mungano	RUBIE ZONE		0708497118	
10	JACK ODHAMBO	RUBIE ZONE		0741935972	



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4 - females. IMARA  
6 - males



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**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

	NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
1	Scholastica Mwangeli	Faith Action group	Village elder	0725861501	
2	Beritah Kioko	Women action Aid	Village elder	0722942753	
3	IMANI CUBAKA	TASSIA Catholic Parish	Teacher	0224944369 / 0225137408	
4	Kioko MAWIIRO	MCC		0722360532	
5	ARTHUR CYALOLE	WAPC WAPC	Ward CHAIRMAN	0745581418	
6	Benson Kamau	Elder TASSIA	TASSIA Elder	0719340321	
7	DORIS MUGIAMBILI	Elder TASSIA	TASSIA Elder	0703-235026	
8	ISAAC MWANGI	Elder	TASSIA	0725317409	
9	RONIKA TSINDOLI AGO	Elder	RIARA	0714650621	
10	MICHAEL KIARI	Elder	TASSIA	0722124039	



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CHINA ROAD AND BRIDGE CORPORATION

50 farms  
50 miles

IMAZA



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AFRICA LTD

**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

	NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
1	Kephas Otieno	Nyumba Kumi	Deputy	0722214208	
2	George Anangwe	Chairman	Deputy	0700190807	
3	SILVER OCHIENG	ELDER	REUBEN	0701337424	
4	Jestus Mwendo		Wabe Wabe	0740936009	
5	Patrick Mwendwa	Justice Org	Wapwape	0717713685	
6	MONICA MUMFUA	NYUMBA KUMI	REUBEN	0720102288	
7	Jahitha Mwendwa	Nyumba Kumi	Reuben	0705242073	
8	FELISTA MBITHI	Nyumba Kumi	Reuben	0726200437	Felista
9	Reginah Mwendwa	Nyumba Kumi	Reuben	0760909005	
10	Victor NJENGA	O.O.P	SECURITY OFFICER	0723603123	

1- female  
9- males

IN/ARA

PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES

	NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
1	Brian Wasike	Youth	Kwa. Ruben	0712 446 888	
2	VICTOR SHIJINDA	Youth	Kwa RUBEN	0725 92 90 11	
3	SAMUEL ASITIA	YOUTH	Kwa Ruben	0703 708 855	
4	Daniel Mutunga		Kwa Ruben	0710 898173	
5	Joseph Karanja	Youth	Kwa Ruben	0742333122	
6	Patrick Mutua	Youth	Njenga	0743726447	
7	Peter Kioko	YOUTH	NJENGA	0755613008	
8	Urbanus Mwikya	Np representatives	Embaki South	0717694166	
9	Javed Dtwali	Np representatives	Embaki South	0723 028192	
10	Yvonne Wanjiku	centric Africa	Environmentalist	0719320444	

7 - female  
3 - male  
IM AREA

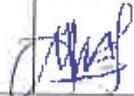
**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
1. Eng. Stanley Mwarasi	KENHA	DD-HEAD/PPP	Stanley.mwarasi@kenha.co.ke	
2. Eng. Julia Oidoga	KENHA	AD (M&E)	j.oidoga@kenha.co.ke	
3. James M. Wanjauke	DOP	ACC 1 Embekani	mjsike2007@yahoo.com	
4. MICHAEL KABARI	CENTRIC	ES CONSULTANT	Kabari@centricafra.com	
5. Idelah Nudema	Centric	Psychologist	Idelahn@gmail.com	
6. Jane Kimani	Centric	Sociologist	shizow.kimani45@gmail.com	
7. Sheryl Ng'etich	KENHA	CCD-1	sherylgetich9@gmail.com	
8. Brenda Valentino	KENHA	CCD-1	brendval78@gmail.com	
9. Eunice Opondo	Centric	Environmentalist	e.opondo@centric.com	
10. Daya Ojino	Centric	Sociologist	daya@centricafra.com	

2- families.  
 3- males

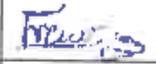
IMARA

**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

	NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
1	Bernard Oudiki	N/A	EMBAKASI	bernardoudiki@gmail.com 0724273931	
2	Philemon Donyo	N/A	EMBAKASI	0704924900	
3	Okuya Hebron	N/A	EMBAKASI	0714324032	
4	Onesmus Mwangi	N/A	Embakasi	0717760093	
5	Timothy Wafuka	N/A	EMBAKASI	0720232698	
6	MAURINE ACHIENG	N/A	EMBAKASI	0727669840	
7	Mary Karini	N/A	Embakasi	0706-549090	
8	ABROSE KITUA	N/A	EMBAKASI	0705326114	
9	Victor Mwangi	N/A	Embakasi	0792908623	
10	Boniface Mwangi	N/A	Embakasi	0701818119	

20 males IMARA

**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

	NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
1	ONYANGO FRANCIS	EMBAKASI	IMARA DAIMA	0700838421	
2	GILBERT ONSASE	EMBAKASI	IMARA DAIMA	0707681062	
3	ARDN ONDONGA	EMBAKASI	IMARA DAIMA	0729836875	
4	CHARLES AREBA	NYUMBATI KUMI	CHAIRMAN	0727144915	
5	JACOB BOSIRE	NYUMBATI KUMI	MEMBER	0725057752	
6	DILIP ACHALEA	Coordinator	Member	0713841177	
7	SIMON NOUNAU WAININA	EMBAKASI	PIPELINE	0725706027	
8	Jubana Kithaka Kiumi	Mbolongo	pipeline	0740065693	
9	Dominic Mungu	IM	IMARA	0732534187	
10	FRANCIS ONYUSO	Embakasi	pipeline	0716299157	

**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

	NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
1	JOHN K. GICHECHE	EMBAKASI V/CRAFTS	COMMITTEE MEMBER	0725 701 635	
2	DANIEL MUSEMUSI MASHA	EMBAKASI VILLAGE CRAFT	MEMBER	0722 831913	
3	FERU K. KIWO	Embakasi	member	070344 35 13	
4	RAMADHAN ABDUL	EMBAKASI	MP REPRESENTATIVE	0719 339 885	
5	AUGUSTINE MUNGAI	EMBAKASI	MEMBER	07072 65638	
6	WAKETA TANGALI	EMBAKASI		0992519885	
7	LYDIAH KWAMBUKA	MUKURU KWA 'NTENGA	ALCHIEF	0725646255	
8	ROSE N. ANUNDA	EMBAKASI	COMMUNITY DEACE	0714443771	
9	Samuel Ongiege	Njenge	Village Egolo	0722396083	
10	Dennis mangi	market		0711085270	
11	Benjamin Nakone	Imaig	Youth leader	0723 692 126	

2 female  
3 males

IMARA

**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

	NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
1	ROBERT M. MASTI	Community	ELDER	0721306091	
2	RAPHAEL MURDO	Community	ELDER	0712387535	
3	DANIEL KIKKO	Community	ELDER	0718289995	
4	MARKE MAOUI	N/A	EMBAKASI	07184408384	
5	DOMINIC STEPH	RIDE/BIKE	EMBAKASI	0711 49 25 66	
6	DAVID WAMBUA	Community	EMBAKASI	071914454	✓
7	Nelso Muteh	Community	Embakasi	0910.126291	
8	ESTHER MURDO	Community	Embakasi	0143055881	
9	GRACE WANIGARI	ELDER	IMARA-NAIMA	0711971656	
10	BEDNANS MURDO	DOP	AST. CHIEF	0726-042478	

2 female IMARA  
2 males

**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

	NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
1	JUSTINE OTENGA		ASST CHAIRMAN	0723591812	
2	STEPHEN MURAKA	ELDER	RUBEN	0721921726	
3	DSZKO ZODZIART	ELDER	RUBEN	0729584872	
4	JERUSAH RUTHONI	ELDER	RUBEN	0704914176	
5	ABEL MUGAKA	ELDER	RUBEN	0772 47 630	
6	ALEXA NICODEMUS	ELDER	RUBEN	0723 691520	
7	KHMAPL MURERA	ELDER	EMBAKASI	0746271265	
8	MARY ANYANGO	ELDER	EMBAKASI	0726671322	
9	SYPROSE A. NIENGE	ELDER	EMBAKASI	0720740615	
10	DOMINIC NJUGUNA	ELDER	UWA NIENGA	0703457431	

4 - females  
6 - males

IMARA

**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

	NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
1	PAUL THIGE MUMUKU	Njumba Kumi	Reuben	0725 742 535	
2	JOSEPH KALOKI (SOD)	Elder	Reuben	0710-630128	
3	DAVID NTAMNEYA	YOUTH	REUBEN	0726013853	
4	EUNICE WANGARI	ELDER	RUEBEN	0728 843 940	
5	BENSON NZOMO WAMBUI	ELDER	RUEBEN	0726627826	
6	CHARLES KARURI GITHAIHA	ELDER	REUBEN	0720729465	
7	PERES KATUNDU	YOUTH	IMARA DAMA	0408 908019	
8	Damaris Ochiro	KENHA	K. IS - EIS	0707900553	
9	Faith Mutiso	KENHA	E-PPP	f.mutiso@kenha.co.ke	
10	MARY ZARITU	CENTRIC		0720 985159	

**Minutes of the Public Consultation Meeting for the ESIA and RAP Studies for the Proposed Nairobi Expressway Project Held on 21<sup>st</sup> November 2019 in Nairobi West Location, Langata Sub-County.**

<i>Subject/Ref</i>	ESIA and RAP Studies for the Proposed Nairobi Expressway Project
<i>County</i>	Nairobi
<i>Location</i>	Nairobi West
<i>Meeting venue</i>	South C CID Training Centre
<i>Date and time of meeting</i>	21 <sup>st</sup> November 2019 between 11.04am and 01:46pm
<i>Project representatives present</i>	Eng. Stanley Mwawasi (KeNHA) Eng. Julia Ondeyo (KeNHA) Damaris Obiera (KeNHA) Abdiqalaz Salad (KeNHA) Eunice Opondo (Centric Africa) Joyce Owino (Centric Africa) Joseph Gitu (Centric Africa) Allan Owino (Centric Africa) Mary Zaritu (Centric Africa) Yvonne Wairimu (Centric Africa) Michael Kabiru (Centric Africa) Jane Kimani (Centric Africa) Iddah Mukiri (Centric Africa)
<i>Number of participants:</i>	Male: 41  Female: 17
<i>Distribution</i>	KeNHA, CRBC and Centric Africa
<b>Agenda of the Meeting</b>	
<p>The agenda was as follows:</p> <ul style="list-style-type: none"> <li>● Opening remarks/prayer</li> <li>● Introduction of participants</li> <li>● Overview of the agenda of the meeting by Centric Africa</li> <li>● Project Description by KeNHA</li> <li>● Presentation of the ESIA process and development of ESMP by Centric Africa</li> <li>● Question and answer session</li> <li>● Closing and adjourning of main meeting</li> <li>● Focus group discussions with road user groups</li> </ul>	

### **Commencement of the Meeting**

The meeting was opened by the Assistant County Commissioner who in turn requested a pastor to open the meeting with prayer. He then proceeded to state the agenda of the meeting as a public participation meeting for the Proposed Nairobi Expressway Project.

The chief introduced the area leadership before inviting the KeNHA and Centric team to take over the meeting.

### **Project Description ( Project Manager, KeNHA)**

- Eng. Stanley provided an overview of the proposed Nairobi Expressway project whose characteristics include:
- A 26.7 km long expressway largely on the median of the existing A8
- The expressway starts from Mlolongo, proceeds to JKIA, Nairobi CBD, Westlands and terminating at ABC place. 26.764km long expressway which includes 15.739km at grade section (Mlolongo to Southern Bypass interchange) and 11.025km elevated section (Southern Bypass interchange to ABC Place)
- The road will comprise four lanes with two emergency lanes to be used by ambulances, fire brigades, police and to cater for other emergency. Some sections will however have six lanes
- There will be service roads, ramps and interchanges
- The road will have a design speed of 80km/hr.
- The road will be fully fenced with controlled access
- The project is a Public Private Partnership under the B.O.T model (Build-Operate-Transfer) between a private investor (CRBC) and Government of Kenya, and will be constructed over a period of 3 years commencing in 2020
- This is the first BOT (Build-Operate-Transfer) road project whereby the (Investor takes revenue risk)
- All facilities will be handed back to the Government of Kenya after a concession period of 30 years, together with its advanced technology and management.
- The cost of construction of the expressway is approximately Kenya Shillings Sixty Billion.
- The road will be tolled for purpose of CRBC recouping their investment. There will be ten toll stations which will also have security cameras.
- There will be no demolition of buildings along the project route. A few perimeter walls may however be affected by land acquisition
- The anticipated benefits of the construction of the expressway include a) Reduced traffic congestion b) Reduced time spent in traffic c) Easier transportation of goods and services hence promoting local economy
- The one-way toll charge for salon cars will be 300 shillings and 1800 shillings for trucks.
- The Contractor will have a comprehensive traffic management plan to avoid or minimize interference with existing A8 road. The plan will entail dumping of construction materials at night.

### **ESIA Process and ESMP Development ( Centric Representative)**

- The Centric representative explained that the requirement for an ESIA is enshrined in the Environmental Management and Coordination Act (EMCA), 1999, (amended in 2015) which is the framework law on environmental management in Kenya. The Act provides for environmental protection through processes such as Environmental

### Impact Assessment, Environmental Audit and Monitoring.

- The Second Schedule of the Act identifies development of road projects as requiring EIA studies
- By way of consideration of the nature of anticipated environmental and social impacts in terms of severity, ease of reversibility, longevity and the geographical scope which may be impacted by the project, it has been determined the Expressway project will be subjected to a Full ESIA Study to enable an in-depth identification and analysis of potential impacts, and subsequent devising of appropriate mitigation and enhancement measures
- The ESIA process entails screening a project to determine whether an EIA is required or not, and if needed, the level of scrutiny (environmental assessment) that the project should be subjected to. Screening is following by a baseline and scoping study to determine the nature and magnitude of anticipated environmental and social impacts
- Stakeholder consultation is a key aspect of the EIA Study and, is anchored in the Constitution of Kenya 2010 and is also supported by the Public Participation Bill of 2018. It is therefore crucial that stakeholders in any given development are identified and engaged at various levels with an aim of obtaining their views, concerns, suggestions and recommendations, to be incorporated in the project. Centric explained that it is for this reason that stakeholder engagement is being carried out with various parties including line national government institutions, county government, civil society organizations, professional bodies, roadside traders and large establishments fronting the proposed alignment, residents along the corridor and various road users including long distance truck drivers, PSVs, cyclists, pedestrians etc.
- Impact prediction and analysis paves way for the development of the ESMP whereby appropriate mitigation measures are devised for anticipated adverse impacts and enhancement measures are suggested for positive impacts
- The ESIA Consultant will prepare an elaborate ESMP to cater for all anticipated project impacts. Some of the mitigations measures to be proposed will largely be informed by best industry practice, for instance, it may be recommended that the Contractor institutes a grievance redress mechanism during construction and operation of the road, the Contractor rolls out a road safety awareness campaign to mitigate traffic incidents and an HIV/AIDS campaign to mitigate spread of STDs. Further the Consultant may recommend that project workers abide by a stringent code of conduct to curtail adverse impacts to the neighbouring communities.
- Several sub-studies will be carried out as part of the ESIA Study with a view of establishing the baseline. These including air sampling, noise survey, soil sampling, water sampling and biodiversity assessment.
- Statistics such as pertaining to traffic incidents will be collected from relevant institutions to inform the baseline and decision making pertaining to project design
- Centric explained that the Terms of Reference for the ESIA Study had been submitted to NEMA for review and the approval to proceed with the study had been granted
- Once the ESIA Report is submitted to NEMA, the Authority will generate the summary of potential impacts and mitigation measures for publication in two local dailies and in the Kenya gazette. The public will be invited through the advert to peruse the report and give comments over a period of thirty days.
- NEMA will then review the report and make a decision as to whether to issue an EIA

license with conditions or not issue the EIA license

**Interactive Session with Participants**

The meeting then progressed to an interactive session whereby the participants were given the opportunity to ask questions, make comments, seek clarification, air their views, concerns and recommendations for incorporation into the project development.

**Table 1: ISSUES RAISED AND RESPONSES GIVEN DURING THE PUBLIC BARAZA**

Project Aspect	Participant	Issue Raised	Responses
Project Design	Hussein- Resident	Enquired on whether they would be any demolition of buildings	The expressway will not result in demolition of buildings as it runs in between the existing A8 road. However there may be minimal demolition of affected perimeter walls
	Wangui Kimari- Resident	Enquired whether Uhuru park was still included in the project design.	The expressway will be constructed between the existing roads hence it will not include Uhuru park in its design.
	Constantin Cap- Resident	Indicated that the project design document had not been availed which inhibited their ability to make informed contributions. He enquired on more project details	The project is still at conceptualization stage what is available if the preliminary design which lacks finer details. The detailed design is currently under preparation and will be availed to the public once it is ready.
	Andrew- Toyota Kenya	Enquired on how the design of the expressway will avoid causing distractions to businesses and people as the construction is on-going.	The expressway is designed to be constructed at the median of the road meaning that all other operations will still be on going on the existing road. Additionally the contractors supplies will be transported at night when there is less activity on going on the existing road

Project Aspect	Participant	Issue Raised	Responses
Project Timelines	Wangui Kimari- Resident	Enquired on how long the construction would take	The construction of the expressway will take 3 years while the operation period will take 27 years totalling 30years for the concession period.
Shadowing of businesses and Churches	Kelvin Kihara- St Pauls Church	Enquired on what will be done for businesses and churches that will have been shadowed by the construction of the expressway	Since the road will be in the median, the shadow effect is not expected to be significant. Nonetheless, this concern will be looked into and if need be, appropriate measures put in place to remedy this.
Accessibility of facilities fronting the road	Mr.Kingori -St. Pauls church	Enquired on accessibility of the church	Appropriate accesses including footbridges, will be provided in places with social amenities such as churches and schools to enable people to access such facilities.
Contractor Credibility	Wangui Kimaru- Resident	Enquired on why CRBC is the contractors for this project yet they had been blacklisted by World Bank	CRBC is a subsidiary to a parent company which possibly could be the one blacklisted by the World Bank but it is not verified whether the parent company has been blacklisted. Nevertheless, CRBC being the proponent for the project means that they are the ones providing the funding and bearing the investment risk.
ESIA Consultant's website	Kelvin Kihara	Enquired why Centric Africa website was down at the time of the meeting  Enquired on why the contractor CRBC was not	The website has attracted a lot of traffic in the recent past especially after the company took up the expressway

Project Aspect	Participant	Issue Raised	Responses
		present at the stakeholder consultation meetings.	assignment. Centric technicians have been engaged to restore and work on putting the website up and running The consultant nominated by CRBC was present to represent the contractor in the stakeholder consultation meeting.
Employment opportunities	Asua- University of Nairobi student	Enquired on how the project seeks to create employment	3000 people will be employed for both direct and indirect jobs during the construction phase of the project and 500 people during the operation period of the expressway.
Noise Levels	Mr Kingori- St. Pauls church	Enquired on what will be done regarding the noise levels to avoid affecting the church	Baseline noise level measurements are being taken to enable monitoring of noise level during the construction phase to monitor the contractors work and ensure it is within the acceptable limits. Further, the road will have in-built sound barriers to mitigate noise impact.
Biodiversity Compensation	Asua- University of Nairobi Student	Enquired on how compensation of affected biodiversity will be done	Centric Ecologist is undertaking the biodiversity assessment to determine the species, age and types of the flora and fauna that may be affected. The Ecologist will give appropriate recommendations.

Project Aspect	Participant	Issue Raised	Responses
Drainage provisions	Kelvin Kihara- St Pauls Church	Enquired on the drainage system that would be used during the construction bearing in mind that Thika Super Highway had a drainage issue	Issues of drainage will be factored in the detailed design and that the importance of holding public participation meetings is that the public gets to inform the project parties of specific areas of such concern.
	Andrew- Toyota Kenya	Enquired on where the convergence of the storm water would be on the road	
Air Quality	Carol- IPP	Enquired on the air quality during operation	Experts have been engaged to measure various air parameters including particulates and gases before and during construction and operation, so that appropriate measures can be put in place to reduce and monitor levels. Studies indicate that vehicular emissions are lower when vehicles move fast as compared to when they move slowly.
Project Effects	Peter- N.S.S.F	Enquired on how the project would impact other investments. What will be the project impact on noise, lighting and shadow effect?	For noise, reference was made to earlier response above. Expressway project will likely have minimal impact on lighting and shadow effect as it is isolated in the median. Nonetheless, this concern will be looked into and if need be remedied

Project Aspect	Participant	Issue Raised	Responses
Corporate Social Responsibility	Peter N.S.S.F	Enquired on which CSR project the contractor would do. He further suggested the construction of footpaths and pedestrian crossing in places like Bellevue.	Footpaths, foot bridges and other acceses will be provided in areas with social amenities as well as to ease movement of people from one place to another.
ESIA process	Asua University Of Nairobi Student	Enquired on why most ESIA`s are usually done but it is not properly disseminated to the public in a consumable way.	This is a project which has generated a lot of public interest and other than legal requirement; there is a need to disseminate information to as many people as possible. When NEMA receives the ESIA report, it will be published in the newspapers and comments will be invited. The public will be able to download the entire report from the NEMA website and they can also peruse hard copies from relevant state departments.
General	Kelvin Kihara St Pauls Church	Enquired on whether the public participation meetings were an exercise in futility since the project had already been launched by the President.	The public participation meetings are not in futility. They are an important exercise that will inform the design of the project and ensure that concerns are taken up and mitigation measures put in place before construction begins.

Project Aspect	Participant	Issue Raised	Responses
Infrastructure Inter-linkages	Peter N.S.S.F	Enquired on how other projects will interact with the expressway project.	The expressway project is designed to avoid interference with other projects as its route is isolated to one section between the existing roads. Further, the Authority has out effort to ensure all developments in the corridor are harmonized to the best extent
Access to project information	Constant Cap-Resident	<p>Enquired on whether KENHA would create a formal memorandum.</p> <p>Enquired on whether the project will widen the gap between the rich and the poor.</p>	<p>A special website is being created to host all project documents and will soon be made accessible to the general public.</p> <p>No one will be compelled to use th expressway. Those who are not willing to pay the toll will be at liberty to use the existing A8 road free of charge. Those who are willing to pay toll charges can use the expressway.</p>
<b>Closing and Adjournment</b>			
<p>The ESIA Consultant thanked the participants for creating time to attend the meeting. The Consultant said that the adjournment of the meeting did not signal the end of engagement. The participants were invited to share further comments and views via the address provided in the project background information document.</p> <p>The Langata Deputy County Commissioner made his closing remarks by thanking the public for availing themselves for the meeting despite their busy schedules and for the contributions they had made on behalf of Langata community.</p> <p>The meeting ended with a word of prayer from one of the residents:</p>			

Confirmation of Minutes

Minutes prepared by: Centric Africa

Date 17/12/2019

Minutes confirmed by:

J.M. Ngũgĩ

Date

17/12/2019

Position

SCC Langata



**ANNEX I PHOTOS OF THE PUBLIC BARAZA MEETING**

	<p>Photo 1: Public Baraza Meeting at CID Training Centre, South C</p>
	<p>Photo 2: One of the stakeholder expressing his views</p>
	<p>Photo 3: KeNHA representative addressing the baraza</p>



Photo 4: Centric Africa representative addressing the baraza



## ANNEX II PUBLIC BARAZA ATENDANCE LIST





21/11/2019

CID TRAINING SCHOOL - SOUTH C



**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

W-2  
M-8

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
Muema Kimwele	South C Residents Association	Member Executive Committee	0721 921 058 MuemaKimwele@gmail.com	
John Kamande	South C		0728343539	
JOHN MUNGAT	NAIROBI WEST	SENIOR ELDER	0724542584	
PAUL MUTUKU	Nairobi West	Citizen	0719360527	
Elizabeth njire	CROSSPOINT (OLA PETROL STATION)	DEALER	0722373254	
Eric Inungi.	N.S.S.F		0714 111 085	
Matthias Thoya	South C Residents Association		0735768323 0713345239	
ABERE I. JOHN	SOUTH C	RESIDENT	0725 965 222	
Yvonne Mwangi	South C	Resident	0726125132	
P. Mwangi	S.C	Resident	0751626292	



21/11/2019

CID TRAINING SCHOOL - SOUTH C



**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

	NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
1	PETER MUIWARI	KSSF	MPD	020 283 2801 020 283 2800	
2	CONSTANT CAI	NAIPOLIANS/SCF	PLANNER	0721976972	
3	Bonyale Ogutu Akool	CITIZEN	CITIZEN	—	
4	Joginder Singh	KHALSA SCHOOL	C/MAN	KHARA school 0718801134	
5	RACHAI NCHANA	NGAO	ACC II LAMKATA	0725397338	
6	WANGARI NUNWANGI	NGAO ALCHIEF	ALCHIEF	0726235908	
7	Clement Ombati	NGAO AST CHIEF	AST CHIEF	0710627272	
8	MICHAEL KABARI	CENTRIC	ENVIRONMENTALIST	0733399685	
9	Godfrey Mwangi	South C Bellevue	TRASPORT	0727655480	
10	Anthony Ndubi	Toyota Kenya	Admin	0722 718954	
11	SAMUEL GITANJA	TOYOTA KENYA LTD	PROJECTS/M	0722-346367	

N-1  
M-9



South C - CIA TRAINING CENTRE  
 8 - males  
 2 - females



**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
1 Wycliffe Makhwa	The Green Belt movement	Hq - Kilimani	0720 66 9154	
2 RICHARD MAIRAU	The green Belt movement	Hq - Kilimani	0716 67 2296	
3 JOSHUA MULI	The green Belt movement	Hq - Kilimani	0715 67 73105	
4 NZIOKI MUTISO	South C Riders <sup>Socio</sup>	Rider	0720 488877	
5 SAMUEL ONYISO	South C Riders	Rider	0704 139211	
6 OJANGO GEORGE	SOCIAL JUSTICE MOVEMENT	Rider	0703232110	
7 REUBEN O'OMBELE	South C elder	Nyumbakumi	0728333763	
8 IRINE AWA	VoN	Student	0701387026	
9 AGGREY AEMBE	South C Responder	Residence	<del>07030</del> 0703306287	
10 Mary Mudachi	South C Daystar University Nbi Campus	Business lady	0721702718 masukimudachi99@gmail.com	

m-9  
 n-1

21/11/19

CID TRAINING SCHOOL - SOUTH C

PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES

N-2  
M-8

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
1 Kevin Kihava	St. Pauls Chapel, Nbi	Parishioner	0911515917 Kevin.Kihava@gmail.com	
2 George Kimani	Progressive fibre ltd		0726312375 george@progressive-fibre.co.ke	
3 KING'ORI KURATHU	St. Pauls Chapel	CHAIR DEVELOPMENT	0722523115 Kingori@SiaaKing.com	
4 AMAROKI Swain	BANBROS LTD	Gen	0722394285 gmarok@bambros.co.ke	
5 Carolyn Mimano	IT&P	Communications	0722574670 Carolyn.mimano@itdp.org	
6 NANGUI KIMARI	African Centre for Cities, University of Cape Town	Researcher	0728174329 kui.kimari@gmail.com	
7 Samuel Mwangela	Nextgen Mall	Property Manager	0720464752 mallprocurement2020@gmail.com samuelmwangela@yahoo.com	
8 Mark Odhumbwa	Natural Justice		mark@naturaljustice.org	
9 Phyllis Wamaithe	WMP	Graduate A.	nithawamaithe@gmail.com	
10 Tevesla Auka		CLERK		

Sample - CID Training center.  
6 - Females  
1 - male.

**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
1. Charity Kaluki	Mathare Social Justice		0716109184	
2. RUTH ONZERE	Chairperson VEO N/W	V.E.O / CHW	0720535516	
3. MONICAH MUYOKA	Resident S.C	UNDERWEIGHT CHILDREN CHW/NUTRITION	0723401283	
4. Esther Wambui	Resident South C	Women Leader	0714431022	
5. Mutunge Mwangi	Ruiraka Social Justice Centre	CO-Coordinator	0714287870	
6. Chanty Kariri	South e Resident	CHW	0722779787	
7. Ranyana Bhaiy	SOVERA, South C Resident	Chairlady	0722786233	
10. Eng Stanby Mutwasi	KENHA	H/PPP	0722510416	

146  
2

**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

W-4  
M-4

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
1 Jane Kimani	Centric	Sociologist	0710386851	
2 Yvonne Wairimu	Centric	Environmentalist	0719380444	
3 Joseph Muchiri	Centric	Environmentalist	0700474055	
4 Abdul Sala 2 salal	KENHA	E-ESS	0722681559	
5 Damaris Obiero	KENHA	S-ESS	0707900553	
6 Eng Julius Onleyo	KENHA	AD(Dev)	0722320340	
7 Eunice Opondo	Centric	Environmentalist	0724646857	
8 ALLAN OWINO	CENTRIC	SOCIAL SAFEGUARD	079924823	
9.				
10				

**Minutes of the Public Consultation Meeting for the ESIA and RAP Studies for the Proposed Nairobi Expressway Project Held on 22th November 2019 in Mukuru Nyayo Location, Makadara Division.**

<b>Subject/Ref</b>	ESIA and RAP Studies for the Proposed Nairobi Expressway Project
<b>County</b>	Nairobi
<b>Location</b>	Mukuru-Nyayo
<b>Meeting Venue</b>	St Veronica ACK church, South B
<b>Date and time of Meeting</b>	22 <sup>nd</sup> November 2019 at 10:49- 1:33pm
<b>Project representatives Present</b>	Eng. Stanley Mwawasi (KENHA) Eng. Julie Ondeyo (KENHA) Damaris Obiera(KENHA) Eunice Opondo (CENTRIC AFRICA) Joyce Owino(CENTRIC AFRICA) Joseph Gitu(CENTRIC AFRICA) Allan Owino(CENTRIC AFRICA) Mary Zaritu(CENTRIC AFRICA) Yvonne Wairimu(CENTRIC AFRICA) Jane Kimani (CENTRIC AFRICA) Iddah Mukiri (CENTRIC AFRICA)
<b>Number Of participants</b>	Male: 199  Female: 61
<b>Distribution</b>	KeNHA, CRBC and Centric

**Agenda of the Meeting**

The agenda was as follows:

- Opening remarks/prayer
- Introduction of participants
- Overview of the agenda of the meeting by Centric Africa
- Project Description by KeNHA
- Presentation of the ESIA process and development of ESMP by Centric Africa
- Question and answer session
- Closing and adjourning of main meeting
- Focus group discussions with road user groups

### **Commencement of the Meeting**

The meeting was opened by the Area Chief who in turn requested a pastor to open the meeting with prayer. He then proceeded to state the agenda of the meeting as a public participation meeting.

The chief introduced the area leadership before inviting the KeNHA and Centric team to take over the meeting.

### **Project Description ( Project Manager, KeNHA)**

- Eng. Stanley provided an overview of the proposed Nairobi Expressway project whose characteristics include:
- A 26.7 km long expressway largely on the median of the existing A8
- The expressway starts from Mlolongo, proceeds to JKIA, Nairobi CBD, Westlands and terminating at ABC place. 26.764km long expressway which includes 15.739km at grade section (Mlolongo to Southern Bypass interchange) and 11.025km elevated section (Southern Bypass interchange to ABC Place)
- The road will comprise four lanes with two emergency lanes to be used by ambulances, fire brigades, police and to cater for other emergency. Some sections will however have six lanes
- There will be service roads, ramps and interchanges
- The road will have a design speed of 80km/hr.
- The road will be fully fenced with controlled access
- The project is a Public Private Partnership under the B.O.T model (Build-Operate-Transfer) between a private investor (CRBC) and Government of Kenya, and will be constructed over a period of 3 years commencing in 2020
- This is the first BOT (Build-Operate-Transfer) road project whereby the (Investor takes revenue risk)
- All facilities will be handed back to the Government of Kenya after a concession period of 30 years, together with its advanced technology and management.
- The cost of construction of the expressway is approximately Kenya Shillings Sixty Billion.
- The road will be tolled for purpose of CRBC recouping their investment. There will be ten toll stations which will also have security cameras.
- There will be no demolition of buildings along the project route. A few perimeter walls may however be affected by land acquisition

- The anticipated benefits of the construction of the expressway include a) Reduced traffic congestion b) Reduced time spent in traffic c) Easier transportation of goods and services hence promoting local economy
- The one-way toll charge for salon cars will be 300 shillings and 1800 shillings for trucks.
- The Contractor will have a comprehensive traffic management plan to avoid or minimize interference with existing A8 road. The plan will entail dumping of construction materials at night.
- 

### **ESIA Process and ESMP Development ( Centric Representative)**

- The Centric representative explained that the requirement for an ESIA is enshrined in the Environmental Management and Coordination Act (EMCA), 1999, (amended in 2015) which is the framework law on environmental management in Kenya. The Act provides for environmental protection through processes such as Environmental Impact Assessment, Environmental Audit and Monitoring.
- The Second Schedule of the Act identifies development of road projects as requiring EIA studies
- By way of consideration of the nature of anticipated environmental and social impacts in terms of severity, ease of reversibility, longevity and the geographical scope which may be impacted by the project, it has been determined the Expressway project will be subjected to a Full ESIA Study to enable an in-depth identification and analysis of potential impacts, and subsequent devising of appropriate mitigation and enhancement measures
- The ESIA process entails screening a project to determine whether an EIA is required or not, and if needed, the level of scrutiny (environmental assessment) that the project should be subjected to. Screening is following by a baseline and scoping study to determine the nature and magnitude of anticipated environmental and social impacts
- Stakeholder consultation is a key aspect of the EIA Study and, is anchored in the Constitution of Kenya 2010 and is also supported by the Public Participation Bill of 2018. It is therefore crucial that stakeholders in any given development are identified and engaged at various levels with an aim of obtaining their views, concerns, suggestions and recommendations, to be incorporated in the project. Centric explained that it is for this reason that stakeholder engagement is being carried out with various parties including line national government institutions, county government, civil society organizations, professional bodies, roadside traders and large establishments fronting the proposed alignment, residents along the corridor and various road users including long distance truck drivers, PSVs, cyclists, pedestrians etc.
- Impact prediction and analysis paves way for the development of the ESMP whereby appropriate mitigation measures are devised for anticipated adverse impacts and enhancement measures are suggested for positive impacts
- The ESIA Consultant will prepare an elaborate ESMP to cater for all anticipated project impacts. Some of the mitigations measures to be proposed will largely be informed by best industry practice, for instance, kit may be recommended that the Contractor institutes a grievance redress mechanism during construction and operation of the road, the Contractor rolls out a road safety awareness campaign to mitigate traffic incidents

and an HIV/AIDS campaign to mitigate spread of STDs. Further the Consultant may recommend that project workers abide by a stringent code of conduct to curtail adverse impacts to the neighboring communities.

- Several sub-studies will be carried out as part of the ESIA Study with a view of establishing the baseline. These including air sampling, noise survey, soil sampling, water sampling and biodiversity assessment.
- Statistics such as pertaining to traffic incidents will be collected from relevant institutions to inform the baseline and decision making pertaining to project design
- Centric explained that the Terms of Reference for the ESIA Study had been submitted to NEMA for review and the approval to proceed with the study had been granted
- Once the ESIA Report is submitted to NEMA, the Authority will generate the summary of potential impacts and mitigation measures for publication in two local dailies and in the Kenya gazette. The public will be invited through the advert to peruse the report and give comments over a period of thirty days.
- NEMA will then review the report and make a decision as to whether to issue an EIA license with conditions or not issue the EIA license

#### **Interactive Session with Participants**

The meeting then progressed to an interactive session whereby the participants were given the opportunity to ask questions, make comments, seek clarification, air their views, concerns and recommendations for incorporation into the project development.

**Table 1: ISSUES RAISED AND RESPONSES GIVEN**

<b>Topic</b>	<b>Participant</b>	<b>Issue Raised</b>	<b>Responses</b>
Project design	Ephraim Kanake- Plainsview Estate(Chair)  Saidi Mutei- Assistant Chairman in trade	Enquired on whether the design had considered people who were blind or had disability as well as people who needed to move their livestock from one place to another.	The design will factor in the needs of people living with disability and provide appropriate utilities such as ramps to aid in their transportation. Livestock keepers will also be factored in in the design stage.
Compensation	Kizito Oyugi- Resident  Ombati Daniel Nyakundi- Resident	Enquired on whether there would be any compensation for the affected roadside traders. Enquired on whether there would be compensation for disturbance.	Compensation will be done for all project affected people.

Topic	Participant	Issue Raised	Responses
Employment	<p>Joseph Kamolo- Resident</p> <p>Mohamed Soba- Resident</p> <p>Teresa Kangethe- Youth Leader</p>	<p>Enquired on whether there would be transparency in issues of job employment.</p> <p>Enquired on what measures would be taken to ensure that employers don't come with their own labour, making the residents lose out on job opportunities</p> <p>Enquired on the contact of the person who will be issued with a list of names of those seeking employment opportunities in this project at all levels.</p> <p>Enquired on what criteria would be used to announce for job opportunities in the project</p>	<p>The project will employ 3000 people for the construction period of 3 years and 500 people during the operation period of 27years. A mechanism will be devised to ensure full transparency in job allocation.</p> <p>The project will maintain the virtue of transparency especially when it comes to job allocation and will be vigilant to ensure ensure gender equality and inclusivity</p> <p>This details will be availed upon further discussions with the local leadership</p> <p>All this will be ascertained following various discussions with our team of experts</p>

Topic	Participant	Issue Raised	Responses
Social Issues	Mohammed Soba- Resident  Sadia- Chairlady (social issues in South B) and business woman	Enquired on how issues of paternity would be handled in the case of irresponsible sexual behaviour between the Chinese and the locals.  Enquired on what measure will be carried out to inhibit the spread of sexually transmitted diseases in the community during this project duration.	Every contractor signs a code of conduct which holds them accountable for any action that they involve themselves in and in this case the law of the land would still stand on issues of child support and DNA tests.  Trainings on sexual health and reproduction would be carried out in the community to enlighten the locals on this matter.
Air Quality/Sanitation	Ombati Daniel Nyakundi- Resident	Enquired on how the noise levels would be reduced since they would cause miscarriages for expectant women or the birth of children with abnormalities due to the loud noise.	Air survey and noise survey studies are being undertaken to determine the existing air quality and noise levels before and during construction and mitigation strategies will be put in place to improve on the air quality level as well as the noise level.
Corporate Social Responsibility	Morris- Resident	Requested for the tarmacking of their link roads	This will be looked at.
Project Effects	Ombati Daniel Nyakundi- Resident	Enquired on how the project would benefit the locals Enquired on how relocation of roadside traders would be done	The ESIA report will look at matters affecting the community and highlight them so as to ensure that project report guarantees that lives are benefitted through jobs and opportunities availed to the community.

### Closing and Adjournment

The ESIA Consultant thanked the participants for creating time to attend the meeting. The Consultant said that the adjournment of the meeting did not signal the end of engagement. The participants were invited to share further comments and views via the address provided in the project background information document.

The DCC made his closing remarks by thanking the public for availing themselves for the meeting and for the contributions they had made on behalf of South B community.

The meeting ended with a word of prayer from one of the residents:

### Confirmation of Minutes

Minutes prepared by: Centric Africa

Date 16/12/2019

Minutes confirmed by:

*Roice Weri*

Date

16/12/19

Position

*Sp Chief*



**ANNEX I PHOTOS OF THE PUBLIC BARAZA MEETING**



Photo 1: Public Baraza Meeting at St Veronicah ACK Church, South B



Photo 2: One of the stakeholder expressing his views

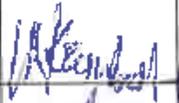


Photo 3: KeNHA representative addressing the baraza

## ANNEX II PUBLIC BARAZA ATENDANCE LIST

South B 22/11/2019

**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
Eunice Opondo	Centric	L. Environmentalist	0724646831	
Yvonne Wainina	Centric	Environmentalist	0719380494	
Jane Kimani	Centric	Sociologist	0110380861	
THE REV JAMES G. MURANGI	AOL ST VERONICA SOUTH B	PARISH PRIEST	0721481064	
NELSON M. KAMBALLE	G.O.K.	ALDERMAN	0721399224	
PATRICK WERU	G.O.K.	Chief	0722247719	
Damaris Obiero	KenHA	Sociologist	0707900553	
Vaga Okino	Centric	Social Segregator	0723587813	
NELSON LAMBUSA	Business	NEWSONLINE Furniture	0724355579	
Lilian Kemunto	Centric	Health & Human Community	0723534527	

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South B - 22/11/2019

**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

W-3  
M-7

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
JEREMIAH MAINSI		BIM	0725034019	
SAMUEL O. OPIA		YUMBA	0790020608	
MOROTH W. MATIKAI	NYUMBA KUMI	Opinion leader	0716665659	
DALE MBEI	NYUMBA KUMI INITIATIVE	Opinion Leader	0719340814 emugamela@gmail.com	
KISITO OYUGI NYAMSONG	SEBV CHV	SEBV/CHV leader	0721887447	
ALEXANDER MUAHABANGI	NYUMBA KUMI CHAIRMAN	OPINION LEADER	0720-331219	
DANIEL MAINA	CHAIRMAN	KAYABA	0726387727	
NELSON MURIGI	Business man	SOUTH B	0723898831	
BUNCAN NDEDA	BUSINESS	(SOUTH B)	0726610810	
JOSPHINE NDUKU		KAYABA	0725060081	

South B 22/11/2019

PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
JOSEPH GOSIYA	V. ELDER	SOUTH B RESIDENT	0722 335963	
BRAMUEL AMATA	V. ELDER SABASA SANA	SOUTH B.	0708-187095	
Julius Madua	Nyumba Kumi	HAZINA South B.	0721298841	
HENRY MANGI	Nyumba Kumi	Hazina, South B	0722386736	
JOSEPH MUGAI	Nyumba Kumi	Hazina, South B	0728271939	
Sammy Nyamu	Opinion leader	Fuata B	071409224	
PATRICK MONGI	Opinion leader	Shopping Centre	0725776673	
Winfred Mumbi	Chair lady	Kenyatta	0710727175	
Nickolas Mavindu	CHURMAN	Kenyatta	0724620247	
MOSES CHEGE	member	Belleval	0723427760	

W-1  
M-9

South B - 22/11/19

**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
PETER KYALO WZOVE	CHAWUMAN	KAYABA VILL	0720955410	
Rosemary Mungai	Chair Lady	Kayaba	0722642380	
Grace Thuo	Chair Lady	Commercial	0723-551-556	
Gloria Adipo	Kifaru place	Manager	0729059636	
MERCY ACHIENG	CHAIRLADY	COMMERCIAL	0711430809	
SHARAH MUTHONI	CHU M FORTANYANYO	FORTANYANYO	0706865674	
Augustino Magendi	Chairman	Chief Camp.	0713684055	
Macharia Njuguna	Chairman	Kayaba	0724864507	
Peter Musangi	SOUTH B JWA KARI GARAGE	SHOPPING CENTRE	072644562	
ZUMRA SADAT		KISII V	0705191693	

W-C  
 M-4

South B - 22/11/2019

**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

W-1  
M-9

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
JAMES KIJOLE	B/M	Kapiti RD Carpenter	0702752000	
PETER MULYUNGI	B/M	CARPENTER	0722548387	
JAMES KATUNGA	B/M	Kapiti RD Carpenter	0727271171	
BENARD KIROKO	B/M KAPITI ROAD	Carpenter	0720-566229	
JONATHAN SIKUKU	B/M KAPITI ROAD	Carpenter	0703-884763	
PETER MACHOKA	Sitegemee Kenya Pamoja Initiative	YOUTH LEADER	0722474877	
JONES WAMBWA	HARUNAT MARKET	CHN	0718442612	
LEMMINGA LESIKAR	B/M	Shop/Hotel	0704301534	
PHANICE MAZAI	KANINDIWE KENYA WIDE CHAMBERS	CHAMBER	0729835743	
JAMES OKINYI	LRC KENYA WIDE	CHAIRMAN	0713392498	

South B - 22/11/2017

**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

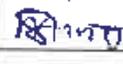
W-1  
M-9

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
CHRISTINE B. LUISWA	ASS. CHIEF LANDMAWA	NATIONAL GOVERNMENT	Makumachef@gmail.com 0721449726/ 0722769561	
Joseph Kamau	Chairman	National	0772437180	
Lawrence Kamau	Chairman	National	0721160242	
Elizah Mwangi	op leader	Community	070702181	
JOSEPH MWANGI	CHAIRMAN	Community	0721576510	
JACOB IBRAHIM	CHAIRMAN	Community	0722604655	
JOHN KINYUA	CHAIRMAN Village Elder	Community	0721684628	
DAVID AGEESA	South B	Community	0726797917	
JOSPHAT. GITHINGI	CHAIRMAN	Community	0712071181	
CHARLES NYAMWETHA	CHAIRMAN	Community	0721-216381	

South B - 22/11/2019

**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

W-3  
M-7

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
MARTHA WAMBUI	VILLAGE ELDER	South B Shopping Center	0723212035	
JAMES MAINA	South B Shopping Center		0721436713	
MOHAMMED SOBA	VILLAGE ELDER HAZINA	HAZINA VILLAGE (S/B)	0714555525	
BENEDICT KIKUNGU	VILLAGE ELDER	HAZINA MARKET SOUTH B	0724571522	
JOSEPH MAITHYA	VILLAGE ELDER	KISII VILLAGE SOUTH B	0729835603	
DAVID KIARIE	VILLAGE ELDER	HAZINA VILLAGE SOUTH B	0720703861	
JANEI AWINTJA	VILLAGE ELDER	FUATA NYAYO SOUTH B	0715510585	
ANSILA WAKESHO	MUMBA KUMI	FUATA NYAYO SOUTH B	0714338007	
MAITHYA SINGU	VILLAGE ELDER	MASAI HAZINA SOUTH B	0723573917	
JULIUS M'INDIVO	MUMBA KUMI	KISII VILLAGE	0726-442964	

South B - 22/11/2019

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3-2

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
AVICI KIAMBOA	B/S	Nairobi Central	0706 677 015	
ARGAMU NJOROJI	B/S	Nairobi South	0756 361 78	
Lydia Kiangiku	B/S	South B	0724 239 209	
Mary Kanyuri	B/S	Kisii Village	0726 275723	
Elizabeth Yula	B/S	Kisii Village	0718 647 605	
DOROTHY KIAMBOKA	B/S	Kisii Village	071365 4993	
PAULINA GATHANI	B/S	KAYAMA	0725 236 740	
Lawrence Kamau	B/S	Kayaba	0707 189 481	
John Macharia	B/S	BELLEVUE	0729 329 736	

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**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

W-3  
M-6

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
ANTONY MUTUKU	Youth	SOUTH B	0706804860	
SAMUEL KABU	DRIVER	M/ROAD	0722 981196	
SAIDA ABDI	CHV / Nyumbas Kumi	HAFZINA	0718037563	
Amuna Jimra	Nyumbas Kumi	HAFZINA	<del>07007</del> 0702298912	
JACINTA WANDA	CHV / Nyumbas Kumi	HAFZINA	0712327293	
ANN KEMUNTO	CHV / CHV / Nyumbas Kumi	HAFZINA	0702800423	
OKARI CAROLINE	Youth	South B	0748 980381	
Onkundi ALIX	Businessman	South B	0726688063	
Michael Mgaosi	EITEY-MA C.B.O	South B	0702987832	



Kenya National Highways Authority  
Quality Highways, Better Connections



中國路桥工程有限責任公司  
CHINA ROAD AND BRIDGE CORPORATION

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AFRICA LTD

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NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
Emily Wangama	C.H.V	Land mawe	0724 679031	
Dennis Amungu	Sus.-7a.co.org	fuata mawo	0727 216 559	
Mangaloh George	Mururu Art Lops	Kayala	Nil	
Raphael Mutus	South 'B'	Kayaba	0795 549181	
Alex Mutisya	South 'B'	Reuben	0700 591801	
JEREMIAH MUMBLE	M/Road	M/Road	0716 049 650	
PETER MWENDA	South B	Commercial	0701977115	
Catherine Akuth	Nil	Kayaba	0742 590 731	
Brian Maina	Martian mingler	Mombasa road	0700751913	
JACOB MUTONDI	Martian mingler	Mombasa road	0707051826	

W-2  
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South B - 22/11/2019

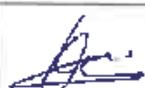
PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES

N-1  
M-9

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
VINCENT MONGARE	youth	South B	0701103008	
MOSES MAVEGE	Pharmacist	Kisii Village	0725974002	
NICODEMUS ONG'ENO	youth	Kisii Village	0728153024	
Caleb Okumu Busera	Youth	Kisii Village	0701876814	
James KARIA	Youth	Pipaniro Village	0721274631	
AMOS MUEMA	youth	Kisii Village	07226610196	
DENNIS AWILI	YOUTH GROUP	Boda Boda	0720509160	
JOSHUA MUKYOMI	YOUTH	South B	07-94446251	
WILFRED OHONDA	Youth	KAYABA	0790215550	
DORCAS WANGELHI	Youth	South b	0722810348	

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NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
HEMRY SIAM	KISII VILLAGE	BUSINESS	0729978070	
EVANS MATIGA	Kempey village	///	0740803140	
Yothnu Muluu	MAR	///	0711374410	
Victor Wangu	Kisii Village	Business	0720805206	
Benedict Kithiga	N.H.I.P	Driver	0722355510	
Luka Katiku	Kapiti Road	furniture	0728576527	
Francis Mutuku	Rapiti Road	furniture	0727726384	
MUHO MUKUNZIA	KAPITI ROAD	Iron Zebra	0754455003	
GREGORY ODHAMBO	ROKO ROAD	furniture	0728975585	
DANIEL MAINA	ROKO ROAD	BUSINESS	0708647934	

**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
BOYCE NTHANYA	BUSSINESS	KISII VILLAGE	0727216604	
George Mwanjai	CHAIRMAN	KAYAMBO	0721693640	
Pius WANJOIKU	TRANSPORT	BELLE VUE	0720581234	
Pius Mutunga	BUSSINESS	BELLE VUE	0738484839	
Mulwa Mutinda	BUSSINESS	Bellevue	0720238307	
Stephen Mwangi	BUSSINESS	Belle Vue	0721625907	
Veronica Wanjiku	CHV	KISII VILLAGE	0720152125	
Alexander Kyalo	BUSSINESS <del>CHV</del>	Bellevue	0721307910	
Dennis Moranja	BUSSINESS	KISII VILLAGE	0713625257	
PETER John	BUSSINESS	Bellevue	0714091390	

John Makwa  " " KISII VILLAGE 0722810258 

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PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
LYDIA KAGENDO	CHV FUATA NYAYO	FUATA NYAYO	0794268734	
Stephen Mwangi MUSAH	ASSY Chairman	HAZINA MARKET	0723838177	
MARY KIAMUYU	ASSIST. CHAIR LADY	KENYA WINE	0720574790	
David Karuga	Member	Banque villa.	0719644676	
MARION MBURU	Business	HAZINA	0725208127	
Regina Mweni	Member CHAIRLADY	HAZINA	0710 107256	
ROSE OLESI	HAZINA	HAZINA	0727095893	
Esther B. Ongori	CHV/nyumbakumi	HAZINA	0726601719	
JOSEPH ODHAMBO	SOUTH ROAD SOUTH B	CHAIR MAN	0721903951 0777 903951	
MESHUKI LUKUMAI	SOUTH B		0798283697	

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**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
JAMES AMOLLO		VILLAGE ELDER	0720-444398	
FRANCIS KINTAE	B/MAN	CARPENTER KAPITI ROAD	0721 498632	
GUYO DIID	Landmark Resource centre	ELDER	0705495729	
BOBO OTIENO	Manguini	GITTO	0791-185777	
Tanel Oudehiki		ELDER	0710253398	
REGAN OTIENO	N.I.C ENTERTAINMENT KENYA	YOUTH	0722435188	
Michael Otieno	N.I.C Entertainment	Youth	0741516111	
Felix Muli		Carpenter	0720473559	
LINET KANAIZA	HOPE & PT - mukuru ch...	Chairperson	0722108901	
JOHNSON MWAKHA	LANDMARK KENYAWINE-V	CHAIRMAN	0722945107	

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**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
Brian Ngai	Saints B.	Kisi Village	0741935760	<i>[Signature]</i>
Daniel Ojino	S/B	KISI VILLAGE	0720575712	<i>[Signature]</i>
Tom Karole	S/B		0122712276	<i>[Signature]</i>
Francis M. Musyoki	S/B Commercial	Commercial	0719807030	<i>[Signature]</i>
Mutuku Mutic	S/B	Kayaba	0705508086 <del>07150</del>	<i>[Signature]</i>
Joseph Kwozo	S/B	Makogon	0729698646	<i>[Signature]</i>
Dominic Sika	S/B	Mambos	0790924322	<i>[Signature]</i>
ELIJAH MORANDIA	S/B	EMAMBAZI VILLAGE	0719179433	<i>[Signature]</i>
IRENEEY MAKAMBI	S/B	HAZINA/SALONI	0727330595	<i>[Signature]</i>
NEWTON MUKUMU	S/B	MARUGOINI	0723786186	<i>[Signature]</i>

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**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
(1) SHARIE WANGJIRU	CHAIR FEMININUSOSET	South B.	0721752553	
(2) Lightly	CHAIRMAN YOUTH	ORGANIZATION South B	0727702308	
(3) Dickson	C.R	Aoko Road	0728555458	
(4) DANIEL MAINA	SOUTH B YOUTH	SOUTH. B	0708647934	
BRION MANG	MATHAM MINGERS	MOMBASA ROAD	0700725278	
MARCON MORIRE	YOUTH	SOUTH B	0717076460	
BENNY NYABUTO	YOUTH	SOUTH B	0728566656	
PETER ONAM.	YOUTH	SOUTH B	0714289236	
VICTOR M. OTIENS	REPA-REP	RIVER BANK PH 1	0721545868	
STANLEY MUNDI	YOUTH	SOUTH B	0799332435	

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**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
Japeith Mutunga Mbaluka	B/m	Carpenter	0721 544348	
Boniface MUKU	B/m	Carpenter	0722 04548	
Vincent MUSEMBI	B/m	Carpenter	0720 894792	
ENDUK AMBOLA	B/m	Shoes repair	0722148488	
PIUS NDEGE	TOWERIA	CHV	0723290409	
JAMES MIBUTA	TOKIKA	MEMBER	0712796130	
TERESIA KALOCHO	B/m	Representative	0715522055	
VICKSTEN SHUKUSI		B/m	0724388936	
Ombati Daniel		B/m	0720944330	
ETI WANBUA	R/a	B/m	0726669937	

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**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
PHOENIX KIMATI	HARITHA		0712534563	
PETER OTIENO	Kayaba		0712061000@gmail.com	
Brian Maina	kici' village		0799016921	
JULIUS MOSES	KAYABA		0722755004	
Collins Omondi	Keyabe		0703653563	
JAMIE WAKAMATHA	Kayaba		0708980982	
VERONICA WANGAR	Mariga-ini		0724-277957	
Jemimah Wanjira	mariga-ini		0720-611720	
BENARD KISKO	KAPETI Road		0720566229	
FRANCIS NJIWA KINTHE	KAPETI ROAD		0721498632	

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FOCUS GROUP DISCUSSION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES

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NAME	DESIGNATION	GENDER	TELEPHONE NUMBER/ EMAIL	SIGNATURE
ONDIEKI MWAMBA	ELDER SHIMOLATEWA	MALE	0712125492	
SAADIN ALINOR	ELDER Shimolafec	F	0714666113	
Sito Muvengui	ELDER <sup>RAIN</sup> NYARUC	M	0722987665	
Abdullah Ali	ELDER	M	0727278900	
Kennedy Chieng		m	0707505914	
Daniel Masig	CHU	M	0700355910	
JAMES KIVISI		MALE	0711452616	
STEPHEN KIOKO		MALE	0701969651	Kioko
Rev. ELIJAH NGELO	Church leader Pastor	MALE	0718572737	
JOHN ONDIEKI	NYUMBA KUMI	MALE	0721891040	
JOSHUA ANDIRA	NYUMBA KUMI	MALE	0727429299	JASUA
JOE WANANA	WARD ADMIN KANDIMAWE	MALE	0722612403	



**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
ESTHER WAMBUI DAVID MAMBI		BELL - BELVUE	0722-979794	<i>[Signature]</i>
Peter Kinyari		BELVUE	0712547111	<i>[Signature]</i>
ONESMUS MUTETI	EE BGP	commercial	0718105445	<i>[Signature]</i>
NOMASA MUTINDA		BELVUE	0729336029	<i>[Signature]</i>
FRANCIS MAMBI		BELVUE	0720701877	<i>[Signature]</i>
DAVID MUTUKU		RELLEVUE	0724939934	<i>[Signature]</i>
ALEX KIMENI MUTINDA		KAPITI ROAD	0724305079	<i>[Signature]</i>
PURITY KOKI	B/m	AKOK ROAD	0218532029	<i>[Signature]</i>
GIADU NYERI	B/m	RELLEVUE	0721701967	<i>[Signature]</i>
caroline wambui		II	0700120614	<i>[Signature]</i>

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**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
Carolyn Kagura	SOUTH B	Business	0717 273 809	
Felisters NZAMBI	SOUTH B	Business	0717069978	
LILIAN NZILANI	SOUTH B	Business	0714428134	
SAMSON MUMSYA	SOUTH B	Business	0703103154	
Jackline Achiam	Bellvue	BLS	0720469858	
JUSTUS MUENDO	SOUTH B	Business	0707867755	
EUNICE OBARE	SOUTH B	TEACHER	0721703251	

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M-3

**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
WAMBUIA MASIKHA	BOVAS, B		0716312566	
Quasimus Ambisi	Boda SB		07141991932	
Tom Mutunga	Boda SB		0718127037	
Francis Muenya	Boda SB		0712943017	
Justus Kasoro	Boda SB		0720343214	

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PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES

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NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
ALLAN OGWONDO	CENTRIC AFRICA LTD.	SOCIAL SAFEGUARD	07201924873	
PHILIP K. MBUVI	INTERIOR AND CITIZEN SERVICES	Assistant County Commissioner	0725159560	
Rev Charles Othman Kimani	Vicar - Archdeacon Venanzah	Vicar	0722370872	
ANTHONY M. MACHARIA	DCC STATE INTERIOR	DCC	0723336900	
Eng. Stanley Muwasi	KenHA	H/PPP	0702510416	
Eng. Julia Ondego	KenHA AD (Development)	AD (Development)	0722370340	
Collins NKOI	NAIROBI CITY COUNTY GOVERNMENT	Exec AD	0716559412	
J. MOTUKU NDOLLO	Vice Chair Land move	Elder	0729219806	
Joya Othman	Centric A. Ltd	Social Safeguard	0723584593	



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PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
John Mwachwa	Kayaba S.B		0728328206	
Arnold Muluwa	Kayaba S.B		0769488023	
Isaac Muluwa	Kayaba S.B		0701523290	
Mable Khevere	Kisii Village	C.H.U	0723738203	
VIRGINIA NGINA	MASAI VILLAGE	C.H.U	0714340857	
LABAN OJAMBO	KISII VILLOGE	Carpenter	0711570461	
PAUL OGERO	Diamond Park 1	CARPENTER C.H.U	0724808583	
THUVA MASAI	KISII VILLAGE	BUSINESS MATH	0710399218	
JAMES KITONYI	KISII VILLAGE	BUSINESS	0727946114	
MOSES NDELTU	Elder	Hazina (Masai village)	0702651650	

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PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
SOLOMON MBOGO NJIHA	BELLEVUE TRANSPORTERS BACC	BELLEVUE MOMBASA ROAD	0729531724	
Raphael Muehny	Transporter	BelleVue Mombasa Road	0720 689429	
Alia Bwala Wasere	CHV	SOUTH B FUKIA NYAYU	0724557467	Alia
Christine Moke	CHV	South B Fukia Nyayo	0717445608	
SUSPHAT WAKINYA	Business	Landment	0722570125	
DAGLAS MITGLAS	BUSINESS	LAND MENT	0757558429	
Darnas Omanga	Business	Land ment	0719736377	
DAVID AYORA	Business	KISII VILLAGE	0727562762	
JOHN KIRZWIH	BUSSINESS	KISII VILLAGE	0708677465	John
JOHN OMBUYA	BUSINESS	KISII VILLAGE	0726-974978	John

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South B 22/11/19.



**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
VICTOR MAINA	Youth	South B	0796976133	
SIMON MUGUSU	Youth	South B	0723910090	
STANLEY MUEMA	Youth	South B	0799332435	
HUSSEIN MAWA	Youth	South B	0725179081	
DANIEL MURUKU	Youth	South B	0721831151	
OKUMU RONNALS	Youth	South B	0790152288	
SHALINE MWENDE	Youth	South B	0706252337	
KEPHIA DKOYO	Youth	South B	0726433771	
MOSES OPUNDE	Youth	South B	0720-073278	
JOEL MACHARIA	Youth	South B	0718845413	

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AM

**Minutes of the Public Consultation Meeting for the ESIA and RAP Studies for the Proposed Nairobi Expressway Project Held on 27<sup>th</sup> November 2019 in Westlands Location, Westlands Sub-County.**

<b>Subject/Ref</b>	ESIA and RAP Studies for the Proposed Nairobi Expressway Project
<b>County</b>	Nairobi
<b>Location</b>	Westlands
<b>Meeting venue</b>	Sarit Centre, Westlands
<b>Date and time of meeting</b>	27 <sup>th</sup> November 2019 between 09.36- 11:30am

<b>Project representatives Present</b>	Eng.Stanley Mwawasi (KENHA) Eng. Julie Ondeyo (KENHA) Damaris Obiera(KENHA) Eunice Opondo (CENTRIC AFRICA) Joyce Owino(CENTRIC AFRICA) Joseph Gitu(CENTRIC AFRICA) Allan Owino(CENTRIC AFRICA) Mary Zaritu(CENTRIC AFRICA) Yvonne Wairimu(CENTRIC AFRICA) Michael Kabiru(CENTRIC AFRICA) Jane Kimani (CENTRIC AFRICA) Iddah Mukiri (CENTRIC AFRICA)
<b>Number Of participants</b>	Male:  Female:

<b>Distribution</b>	KeNHA, CRBC and Centric
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### Agenda of the Meeting

The agenda was as follows:

- Opening remarks/prayer
- Introduction of participants
- Overview of the agenda of the meeting by Centric Africa
- Project Description by KeNHA
- Presentation of the ESIA process and development of ESMP by Centric Africa
- Question and answer session
- Closing and adjourning of main meeting
- Focus group discussions with road user groups

### Commencement of the Meeting

The meeting was opened by the Area assistant county commissioner who in turn requested a resident to open the meeting with prayer. He then proceeded by ensuring introductions were done by everyone present before inviting Centric and KeNHA team to take over the meeting. The Centric ESIA expert stated the agenda of the meeting as a public participation meeting.

### Project Description ( Project Manager, KeNHA)

- Eng. Stanley provided an overview of the proposed Nairobi Expressway project whose characteristics include:
  - A 26.7 km long expressway largely on the median of the existing A8
  - The expressway starts from Mlolongo, proceeds to JKIA, Nairobi CBD, Westlands and terminating at ABC place. 26.764km long expressway which includes 15.739km at grade section (Mlolongo to Southern Bypass interchange) and 11.025km elevated section (Southern Bypass interchange to ABC Place)
  - The road will comprise four lanes with two emergency lanes to be used by ambulances, fire brigades, and police and to cater for other emergency. Some sections will however have six lanes
  - There will be service roads, ramps and interchanges
  - The road will have a design speed of 80km/hr.
  - The road will be fully fenced with controlled access
  - The project is a Public Private Partnership under the B.O.T model (Build-Operate-Transfer) between a private investor (CRBC) and Government of Kenya, and will be constructed over a period of 3 years commencing in 2020
  - This is the first BOT (Build-Operate-Transfer) road project whereby the

(Investor takes revenue risk)

- All facilities will be handed back to the Government of Kenya after a concession period of 30 years, together with its advanced technology and management.
- The cost of construction of the expressway is approximately Kenya Shillings Sixty Billion.
- The road will be tolled for purpose of CRBC recouping their investment. There will be ten toll stations which will also have security cameras.
- There will be no demolition of buildings along the project route. A few perimeter walls may however be affected by land acquisition
- The anticipated benefits of the construction of the expressway include a)Reduced traffic congestion b)Reduced time spent in traffic c) Easier transportation of goods and services hence promoting local economy
- The one-way toll charge for salon cars will be 300 shillings and 1800 shillings for trucks.
- The Contractor will have a comprehensive traffic management plan to avoid or minimize interference with existing A8 road. The plan will entail dumping of construction materials at night.

#### **ESIA Process and ESMP Development ( Centric Representative)**

- The Centric representative explained that the requirement for an ESIA is enshrined in the Environmental Management and Coordination Act (EMCA), 1999, (amended in 2015) which is the framework law on environmental management in Kenya. The Act provides for environmental protection through processes such as Environmental Impact Assessment, Environmental Audit and Monitoring.
- The Second Schedule of the Act identifies development of road projects as requiring EIA studies
- By way of consideration of the nature of anticipated environmental and social impacts in terms of severity, ease of reversibility, longevity and the geographical scope which may be impacted by the project, it has been determined the Expressway project will be subjected to a Full ESIA Study to enable an in-depth identification and analysis of potential impacts, and subsequent devising of appropriate mitigation and enhancement measures
- The ESIA process entails screening a project to determine whether an EIA is required or not, and if needed, the level of scrutiny (environmental assessment) that the project should be subjected to. Screening is following by a baseline and scoping study to determine the nature and magnitude of anticipated environmental and social impacts
- Stakeholder consultation is a key aspect of the EIA Study and, is anchored in the Constitution of Kenya 2010 and is also supported by the Public

Participation Bill of 2018. It is therefore crucial that stakeholders in any given development are identified and engaged at various levels with an aim of obtaining their views, concerns, suggestions and recommendations, to be incorporated in the project. Centric explained that it is for this reason that stakeholder engagement is being carried out with various parties including line national government institutions, county government, civil society organizations, professional bodies, roadside traders and large establishments fronting the proposed alignment, residents along the corridor and various road users including long distance truck drivers, PSVs, cyclists, pedestrians etc.

- Impact prediction and analysis paves way for the development of the ESMP whereby appropriate mitigation measures are devised for anticipated adverse impacts and enhancement measures are suggested for positive impacts
- The ESIA Consultant will prepare an elaborate ESMP to cater for all anticipated project impacts. Some of the mitigations measures to be proposed will largely be informed by best industry practice, for instance, kit may be recommended that the Contractor institutes a grievance redress mechanism during construction and operation of the road, the Contractor rolls out a road safety awareness campaign to mitigate traffic incidents and an HIV/AIDS campaign to mitigate spread of STDs. Further the Consultant may recommend that project workers abide by a stringent code of conduct to curtail adverse impacts to the neighbouring communities.
- Several sub-studies will be carried out as part of the ESIA Study with a view of establishing the baseline. These including air sampling, noise survey, soil sampling, water sampling and biodiversity assessment.
- Statistics such as pertaining to traffic incidents will be collected from relevant institutions to inform the baseline and decision making pertaining to project design
- Centric explained that the Terms of Reference for the ESIA Study had been submitted to NEMA for review and the approval to proceed with the study had been granted
- Once the ESIA Report is submitted to NEMA, the Authority will generate the summary of potential impacts and mitigation measures for publication in two local dailies and in the Kenya gazette. The public will be invited through the advert to peruse the report and give comments over a period of thirty days.
- NEMA will then review the report and make a decision as to whether to issue an EIA license with conditions or not issue the EIA license

### **Interactive Session with Participants**

The meeting then progressed to an interactive session whereby the participants were given the opportunity to ask questions, make comments, seek clarification, and air

their views, concerns and recommendations for incorporation into the project development.



	<p>Holder</p> <p>William oyugi- Boda Boda Operator</p>	<p>would be managed</p> <p>Enquired on whether boda boda riders would have access to the expressway and if so, if there would be any charges</p>	<p>drainage system for storm water.</p> <p>Once the detailed design is concluded, this matter would be looked into.</p>
Employment	<p>Petronila- Westland's Resident Association</p>	<p>Enquired on how many jobs will be available for the youths in Westland.</p>	<p>3000 people will be employed during the construction phase of the project and 500 people during the operation period of the expressway.</p>
Air Quality/Noise Levels	<p>Shrih Shah- Mara road Association</p>	<p>Enquired on what sound barriers will be put in place to limit the noise in that area.</p>	<p>Sound metres have been put in place to measure the noise levels before and during the construction phase and recommendations will be given on the same.</p>
Diplomatic Community	<p>Juliana Kisimbi- Consultant</p>	<p>Enquired on whether the movement of diplomats and expatriates during the construction period will be affected.</p>	<p>There will be no distractions caused during the construction of the expressway in wetlands since the road will be constructed in the median and will be elevated in wetlands causing no confusion to children as well.</p>

<p>Relocation of Utilities</p>	<p>Cyrus Kinyua-CRB property</p>	<p>Enquired on why the sewerage system being interfered with has not been mentioned.</p>	<p>Sewerage lines will be relocated before the project starts. This is being done so as to ensure that there are no interruptions. There is a tender already in circulation for the relocation of these utilities.</p>
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<p>Corporate Social Responsibility</p>	<p>Petronila-Westland's resident Association</p>	<p>Enquired on which CSR the contractor hoped to do.</p>	<p>The contractor will be advised on the importance of carrying out CSR exercises but it will be fully at his discretion.</p>
<p>General</p>	<p>Shrih Shah-Resident  Petronilla-Westland's resident Association</p>	<p>Enquired on how land grabbing issues along Mombasa road will be dealt away with  Requested for access to the ESIA report that was done in 2013  Enquired on a previous letter that she had sent to Kenha over the issue of the roundabout which had since not been responded to  Reiterated that those who don't have cars need the expressway as</p>	<p>This will be dealt with adequately.  The document is a public document that can be found on the NEMA website.  Follow up will be done on the above issue.</p>

	<p>Prof. Karanja Njoroge-Resident</p> <p>Sunjira Shah-Mara Road Residents Association</p> <p>Ephantus - Mwangi-Breakdown Services</p>	<p>much as those without cars</p> <p>Pointed out that there were three projects ongoing at James Gichuru</p> <p>Enquired on whether there would be a lane for breakdown services</p>	<p>There will be a bus rapid system available for mass transport of people who don't own cars from place to place.</p> <p>The construction of the expressway will not disrupt existing projects</p> <p>The contractor is mandated to also take care of breakdowns on the expressway. He will sign a contract with a breakdown company to offer their services.</p>
<p>Diplomatic Community</p>	<p>Juliana Kisimbi-Consultant</p>	<p>Enquired on whether the movement of diplomats and expatriates during the construction period will be affected.</p>	<p>There will be no distractions caused during the construction of the expressway in wetlands since the road will be constructed in the median and will be elevated in wetlands causing no confusion to children as well.</p>

Relocation of Utilities	Cyrus Kinyua-CRB property	Enquired on why the sewerage system being interfered with has not been mentioned.	Sewerage lines will be relocated before the project starts. This is being done so as to ensure that there are no interruptions. There is a tender already in circulation for the relocation of these utilities.
Corporate Social Responsibility	Petronila-Westland's resident Association	Enquired on which CSR the contractor hoped to do.	The contractor will be advised on the importance of carrying out CSR exercises but it will be fully at his discretion.

**Closing and Adjournment**

The ESIA Consultant thanked the participants for creating time to attend the meeting. The Consultant said that the adjournment of the meeting did not signal the end of engagement. The participants were invited to share further comments and views via the address provided in the project background information document.

The ACC made his closing remarks by thanking the public for availing themselves for the meeting despite their busy schedules and for the contributions they had made on behalf of Westland's community.

The meeting ended with a word of prayer from one of the residents:

**Confirmation of Minutes**

Minutes prepared by: Centric Africa

Date.....

Minutes confirmed by: ..... Date .....

Position .....

**ANNEX I PHOTOS OF THE PUBLIC BARAZA MEETING**



Photo 1: Public Baraza Meeting at Sarit Centre, Westlands



Photo 2: One of the stakeholder expressing his views



Photo 3: KeNHA representative addressing the baraza



Photo 4: Centric Africa representative addressing the baraza

## ANNEX II PUBLIC BARAZA ATENDANCE LIST

P-P-2 files

27/11/2018

**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
1 Peter Dmutho	NGAO	Sr A / Chief	Dmuthopeter@gmail.com	
2 Maasur Kasmani	Sarit Centre	Ops. Manager	M. Kasmani@saricentre.com	
3 Charles N. Nguu	NGAO	Chief	0721151100	
4 BENJAMIN N MAINA	NSAO	Asst Chief	0722451987 sindamboki@1104chmasica.co.ke	
5 SALOME NDAMUKI	SANLAM INSURANCE	SANLAM TOWER	0729-479541	
6 TOPISTA NDIKASA	WOMENNET LW 0410	member	07401533824	
7 IBRAHIM SHISIA	Youth Group LEADER	YOUTH LEADER	0723362199	
8 Richard Maina	Sarit Centre	Member	0718429088	
9 Paul Mugo N.	Jua Kali	Leader	0717174845	
10 Jempaul Wandera	Westlands Youth Rehabilitation	member/leader	0721480689	

PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES

3 premises  
7-mile

P.P-C Kileleshwa  
27/11/19

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
1 JOSEPH	WASTRAMP	CARWASH	07414568	
2 Ideah Muchina	Centric Africa	Project	ideah@centric.africa	
3 Violet Kogi	Green by choice Ltd	Environmentalist	violet.kogi@gmail.com 0710530972	
4 Samuel M Njogu	westland	Car wash	0721208836	
5 Emma Wanjiru	WESTLAND	Car wash	0724574347	
6 DANIEL CHUMO	CENTRIC AFRICA LTD	ENVIRONMENTALIST	0718068517	
7 KRINDA SHARMA	MARA	Hon Secretary (Asst)	0722515646	
8 MICHAEL KABARI	CENTRIC	ES CONSULTANT	0733399685 kabarim@centric.africa.com	
9 Joseph Kimani	Westland	Mechanic	0721679676	
10 BENSON KIMANI KANIARU	WESTLANDS	TAXI / CARWASH	0723752547 b.kaniaru@gmail.com	

PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
1 PAUL KAHORO	BROTHERHOOD SERVICES	WESTLANDS ROUNDABOUT	0759566202 0720 005 209	
2 DAHSON MUKAMUNDA	MECHANIC BDOWN SERVICES	WESTLAND ROUNDABOUT	0702 756767	
3 JOSEPH MUIDUPI	MECHANIC BDOWN SERVICES	WESTLAND ROUNDABOUT	0714 767270	
4 NICHOLAS KIJUNGU	MECHANIC	ROUND ABOUT	0727102138	
5 BERNARD AKAYE	BODA BODA RIDER	ROUND ABOUT 9 WEST	0729632722	
6 JOHN KIRIIE	BODA RIDER	Westlands	0721660530	
7 MART AKOTH	NACEC MEMBER CENTRIC AFRICA SPECIALIST	MEMBER WESTLANDS	0720928100	
8 ALLAN OGWENO	SAFEGUARDS	SOCIAL SAFEGUARDS SPECIALIST	0229924823	
9 MURIMBA ELWIN	Essex Brands	Westlands	0736408180	
10 Dr. Juliana KISIMOI	Global Trade Consultant	Westlands	0724-680700 0722-411679	

P.P.C Masanja  
10 - roads

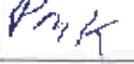
**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
1. ZINEKHA ALI	PRESIDENCY	ASSISTANT COUNTY COMMISSIONER KILIMANJ	0722664447	
2. John Wmani	Westlands	Breakdown	0724 107079	
3. DUNCAN MURZURI	Westlands	Breakdown	0724 121152	
4. GADFREY KIMANI	Westlands	Breakdown	0727051255	
5. George IEBI	Westlands	Breakdown	0705848895	
6. DARINE AKOTH	Westlands	Breakdown	0723541154	
7. DANIEL KINYAJU	Westlands	mech	0724 811623	
8. SIMON KUNGU	WESTLANDS	MECHANIC	0724035505	Simon Kungu
9. PETER MBUGUA	Westlands	mechanic	0724147461	
10. William Oyugi	Westlands Boda	Boda	0722764894	

P.P.C. Westlands  
 10/10/17

27/11/17

**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
1. SAMUEL MAINA M	ALL AFRICA CONF. OF CHURCHES	PROPERTY MANAGER	0723287142 property@aac-ceta.org	
2. PAUL KAGIRI LOAWEKI		MECHANIC	0722866761	
3. BIDAN NGATIA		CARWASH	0735031719	
4. BONIFACE WAIKARU		CAR WASH	0720934522	
5. PETER MBUKU		Breakdown	0722169301	
6. Ephraim Mwangi Njiriguro	Kim Breakdown Mwangi Road Residents Assoc.	breakdown operator	0713455798 072216	
7. Deepu Mahajan.		Committee	0722350803	
8. Saj + Mohan	"	"	"	
9. Paul MURERE K.	WESTLAND	Breakdown	0700 11318937	
10. FRENCH MAMMI	WESTLANDS	Breakdown	0728613690	

PPC Westlands  
4 forums - Councils

CENTRIC  
2/11/19

PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES

	NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
1.	Andrey Lumbimani	Polresco Ltd.	Development Manager	0705332168	
2.	MOHAMMAD RASHID	NJARA	SECURITY	0735511838	
3.	PETRONILA NAFULA	WESTLANDS ASSOCIATION	C. E. O	0723437278 Westlandsassociation@yahoo.com	
4.	ANGELINE ARIENO	VIKING HOUSE	OFFICE ASSISTANT	info@viking-house.org 205101028	
5.	NICHOLAS NIAU	SAFARICOM	Transport manager	Njau.N@safaricom.co.ke	
6.	DANIEL KILAKA	MCA-PA	PA	0710447639	
7.	BENJAMIN MATSORI	PRESIDENCY AEC HIGHLIDGE	ASSISTANT COUNTY COMMISSIONER	0727248044 benmatsori@gmail.com	
8.	BIKI KAUNYANA	AAPH PLC (THE MALL)	M.D.	0738525682 biki@aaph.co.ke	
9.	CATHERINE TENDET	PRESIDENCY AEC/CHIEF KILIMANI	AS/CHIEF	0728922437	
10.	ISAAC MUNTENDU	A/CHIEF MUTHANGA 2	A/CHIEF	isacinduswe@gmail.com 0725601651	



27/11/29

**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

5 females  
5 females

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
1. Cyrus Kinyua	Westlands Triangle Properties Ltd	Property Manager	Cyrus.kinyua@cbre excellence.com	
2. JAMES GILBERTSON	PALAZZO LTD	SECURITY / PROPERTY MANAGER	JAMES.GILBERTSON@ DMI.WORK	
3. ALI ASMAN YUSUF	Department of Inletion	Asst. CHIEF	aalymtamdiya@gmail .com	
4. SHENH. L. SHAN	WESTLANDS AD	DIRECTOR	shinsh2@glennpa -housing.com	
5. Eng Julia Ondego	KENHA	Asst Director	j.ondego@kenha.co.ke	
6. Eng. Stanley Mwakasi	KENHA	Head / PPD Dept.	Stanley.Mwakasi @Kenha.Co.Ke	
7. Patricia Igula	KENHA	Sociologist	P.igula@Kenha.co.ke	
8. Eunice Opondo	Centric	Environmentalist	e.opondo@centricafrika.com	
9. Jane Kimani	Centric	Sociologist	stanow.kimani95@gmail.com	
10. Mary Zanti	Centric		0720 985959	

*1-family  
5-nobs*

**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
1. EPHANJOS MACHARIA	WESTLANDS	TAXI / carabaji	0725 416 398.	
2. JACKSON MAINA	WESTLANDS	TAXI	Jacksonmaina63@yahoo.com 0715373611	
3. COCOOLATA W. KIMATHUIS	WESTLANDS NG-EDF	MEMBER	Concocterteke@gmail.com 0723552032	
4. PROF. KARANI NG'ARIE	WESTLANDS	Resident	njorani@ng'arie.com 0729030381	
5. Charles N. Nguu	NGA		ng'ooenguyi2017@gmail.com	
6. Joseph Achi Mwachigi	Centre Africa		0700924025	
7. Joyce Okino	Centre Africa	Social Supervisors	Joymoo@centreafri.com 09149064904	

P.P.C. Kileleshwa  
 27/11/19, 1 female, 3 males

**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

27/11/19

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
1. <del>PHILIP MURUGO</del>	Uthiru	CAR WASH	0726522855	<del>[Signature]</del>
2. Patrick Mataka	WAKIWA	Cleaning & sweeping westlands CBD.	071174740	[Signature]
3. Vanstella Beshau	BBK - SNT	Banking	0722991330	[Signature]
4. Robert Ngaiya Wathaka	Westlands roundabout	Breakdown service	0723101105	[Signature]
5. Janet Mello	Westlands Association	Administrative Assistant	0722267848 janetmello@gmail.com	[Signature]
6. Julius KGWU	NGCDF Westlands	Member	0725307591	[Signature]
7. Obed Anjelle	CONSTITUENCY OFFICE	Manager.	0721419750 obedachua@yahoo.com	[Signature]
8. David Jerial Shivachi	Hawkers association	Stage	0711398603 Davidjerial@gmail.com	[Signature]
9. Yvonne Wambui	Centric office	Environmentalist	0719370444	[Signature]

**Minutes of the High Level Stakeholders’ Meeting for the ESIA and RAP Studies for the Proposed Nairobi Expressway Project Held on 10th December 2019 at College of Insurance, South C, Nairobi.**

<b>Subject/Ref</b>	ESIA and RAP Studies for the Proposed Nairobi Expressway Project
<b>County</b>	Nairobi
<b>Meeting Venue</b>	College of Insurance, South C
<b>Date and time of Meeting</b>	10 <sup>th</sup> December 2019 at 2:45- 5:30pm
<b>Project representatives Present</b>	Eng. Stanley Mwawasi (KENHA) Eunice Opondo (CENTRIC AFRICA) Joyce Owino(CENTRIC AFRICA) Allan Owino(CENTRIC AFRICA) Michael Kabare(CENTRIC AFRICA) Kavata Mutisya(CENTRIC AFRICA)
<b>Number Of participants</b>	Male: 55  Female: 14
<b>Distribution</b>	KeNHA, CRBC and Centric

**Agenda of the Meeting**

The agenda was as follows:

- Opening remarks/prayer
- Introduction of participants
- Overview of the agenda of the meeting by Centric Africa
- Presentation of the proposed project by KeNHA
- Presentation of the ESIA process and development of ESMP and Resettlement Action Plan by Centric Africa
- Question and answer session
- Closing and adjourning of main meeting

**Commencement of the Meeting**

The meeting was opened by a representative from Centric Africa with a word of prayer. He then proceeded to state the agenda of the meeting as a high level stakeholders’ meeting. Introductions of the project representatives was done and Eng. Stanley Mwawasi was invited to present an overview of the proposed project.

### Project Description ( Project Manager, KeNHA)

- Eng. Stanley Mwawasi provided an overview of the proposed Nairobi Expressway project
- The justification of the proposed project was a) The original state of Mombasa road b) Populations growth of Nairobi c) Contribution of the highway to the economy d) Decongesting so as to reduce losses in time and money, minimize accidents and air pollution caused by the incomplete combustion of vehicle fuels in traffic jam e) other initiatives to provide relief to the road, namely the bypasses.
- A value for money analysis was done to find out the cheaper option for the proposed project and it was found that it would be 32.6% cheaper for the road bed section (Mlolongo- Next Gen) and 40% cheaper for the elevated section (NextGen to ABC place) if done with the private investor.
- It was preceded by concept studies which were carried out by the proponent. A traffic forecast was also done and key issues such as the number of lanes addressed. The tolling rates were also evaluated by surveys which were done to determine the willingness to pay.

The characteristics of the proposed expressway were as follows:

- A 26.7 km long expressway largely on the median of the existing A8
- The expressway starts from Mlolongo, proceeds to JKIA, Nairobi CBD, Westlands and terminating at ABC place. 26.764km long expressway which includes 15.739km at grade section (Mlolongo to Southern Bypass interchange) and 11.025km elevated section (Southern Bypass interchange to ABC Place)
- The road will comprise four lanes with two emergency lanes to be used by ambulances, fire brigades, police and other emergencies service providers who will be allowed to use it for free. Some sections will have six lanes. The breakdown was as follows: a) ABC place to the southern bypass will have four lanes and will be elevated b) The Southern Bypass to the Eastern Bypass will have six lanes and will be on the road bed and c) The Eastern Bypass to Mlolongo will have four lanes and will be on the road bed.
- The road design drawings made provisions for access to the Standard Gauge Railway (SGR), Jomo Kenyatta International Airport (JKIA), Eastern Bypass, Southern Bypass, Capital Centre interchange, Thika Road interchange and the James Gichuru Roundabout.
- There will be service roads, ramps, foot bridges and interchanges.
- The road will be fully fenced with controlled access and have ten entries/exits.
- The project is a Public Private Partnership under the B.O.T model (Build-Operate-Transfer) between a private investor (CRBC) and the Government of Kenya, and will be constructed over a period of 3 years commencing in 2020
- This is the first BOT (Build-Operate-Transfer) road project whereby the (Investor takes the revenue risk)
- All facilities will be handed back to the Government of Kenya after a concession period of 30 years, together with its advanced technology and management.
- The cost of construction of the expressway is approximately 557 million US dollars.
- The road will be tolled for purpose of CRBC recouping their investment.

- The anticipated benefits of the construction of the expressway include a) Reduced traffic congestion b) Reduced transit time c) Easier transportation of people and goods hence promoting local economy d) Provision of job opportunities e) Direct transfer of technology f) Largest FDI to attract more private investment g) Realisation of vision 2030 and the Big four agenda h) Enhanced competitiveness i) Savings on motorists since it is estimated that fifty million shillings is lost in Kenya daily in traffic jam j) Reduction of vehicular emissions hence improved air quality k) Reduction in response time for emergencies l) Attraction of international investors m) Business opportunities for local supply chain n) Attractiveness of areas around Mlolongo to both foreign and local investors
- The social and environmental issues that were highlighted were creation of employment opportunities, safety precautions during construction and interruptions during construction
- The mitigation measures were optimised land use, comprehensive traffic management plan to avoid or minimize interference with existing A8 road. The plan will entail dumping of construction materials at night and development of ESMPs plans.
- The project implementation process consisted of the launching which was done on 16<sup>th</sup> October 2019, a construction period of 3 years, the implementation by a private entity and the recovery of the funds through a tolling system.

#### **ESIA Process, ESMP Development and Resettlement Action Plan (Centric Representative)**

- The Centric representative defined ESIA as the process of maximizing positive impacts and minimizing or eliminating the negative ones. She also explained that the requirement for an ESIA is enshrined in the Environmental Management and Coordination Act (EMCA), 1999, (amended in 2015) which is the framework law on environmental management in Kenya. The Act provides for environmental protection through processes such as Environmental Impact Assessment, Environmental Audit and Monitoring.
- The Second Schedule of the Act identifies development of road projects as requiring EIA studies
- The representative gave the progress of the ESIA which started with a desk study, then development of the terms of reference which were approved by NEMA and various studies which included air quality assessment, noise and vibration survey, soil sampling, water quality assessment, climate change analysis, socio-economic survey and biodiversity assessment. A Resettlement Action Plan is also underway. She highlighted the avid stakeholder engagement involved in the process. They consisted public consultation meetings at Mlolongo, Syokimau, South B, South C, Imara Daima and Westlands, Focused Group Discussions and high-level stakeholders' meetings.
- By way of consideration of the nature of anticipated environmental and social impacts in terms of severity, ease of reversibility, longevity and the geographical scope which may be impacted by the project, it has been determined the Expressway project will be subjected to a Full ESIA Study to enable an in-depth identification and analysis of potential impacts, and subsequent devising of appropriate mitigation and enhancement measures

- The ESIA process entails screening a project to determine whether an EIA is required or not, and if needed, the level of scrutiny (environmental assessment) that the project should be subjected to. Screening is following by a baseline and scoping study to determine the nature and magnitude of anticipated environmental and social impacts
- Stakeholder consultation is a key aspect of the EIA Study and, is anchored in the Constitution of Kenya 2010 and is also supported by the Public Participation Bill of 2018. It is therefore crucial that stakeholders in any given development are identified and engaged at various levels with an aim of obtaining their views, concerns, suggestions and recommendations, to be incorporated in the project. Centric explained that it is for this reason that stakeholder engagement is being carried out with various parties including line national government institutions, county government, civil society organizations, professional bodies, roadside traders and large establishments fronting the proposed alignment, residents along the corridor and various road users including long distance truck drivers, PSVs, cyclists, pedestrians etc.
- Impact prediction and analysis paves way for the development of the ESMP whereby appropriate mitigation measures are devised for anticipated adverse impacts and enhancement measures are suggested for positive impacts
- The ESIA Consultant will prepare an elaborate ESMP to cater for all anticipated project impacts. Some of the mitigation measures to be proposed will largely be informed by best industry practice. Previous reports done in
- Centric explained that the Terms of Reference for the ESIA Study had been submitted to NEMA for review and the approval to proceed with the study had been granted
- Once the ESIA Report is submitted to NEMA, the Authority will generate the summary of potential impacts and mitigation measures for publication in two local dailies and in the Kenya gazette. The public will be invited through the advert to peruse the report and give comments over a period of thirty days.
- NEMA will then review the report and decide whether to issue an EIA license with conditions or not.
- Another Centric Africa representative presented on the Resettlement Action Plan (RAP).
- He highlighted the objective of RAP is to provide a guide for the resettlement and rehabilitation of project affected persons (PAPs)
- The specific objectives included a) Identifying the Project Affected Persons b) Coming up with a compensation plan c) Ensure compliance with legal and regulatory requirements d) Incorporating the outcome of consultations and participations e) Development of a Grievance Redress Mechanism (GRM) and f) Monitoring and evaluation
- The scope of RAP involved: a) Collection of baseline socio-economic data b) Census of PAPs to develop inventory c) Analysis of the nature of impacts d) Categorization of the PAPs based on impact e) Eligibility criteria for compensation f) Valuation of structures, crops and total land affected g) Entitlement matrix h) the Grievance Redress Mechanism (GRM) i) Determination of cut-off date and finally j) Legal review to inform PAPs the legal implications

### Interactive Session with Participants

The meeting then progressed to an interactive session whereby the participants were given the opportunity to ask questions, make comments, seek clarification, air their views, concerns and recommendations for incorporation into the project development.

**Table 1: ISSUES RAISED AND RESPONSES GIVEN**

Topic	Participant	Issue Raised	Responses
Project design	Daniel Baaru - L'oreal	Enquired how the access to their business would be affected in regard to the number of lanes their customers would have to cross to access their premises and wanted to find out what will happen to the current advertisements they have on the current highway.	Crossing points will be established along the expressway at designated points. The older footbridges will be reinstated. The advertising will have to be discussed with the project proponent.
	John Mwangi - Sameer Business Park	Enquired if storm water drainage was catered for in the design	Careful studies are being done to address the issue and come up with effective designs.
	Job Mwangi - Imara Daima Estate Association (IDEA)	Requested to have a footbridge put closer to their establishment because the current one is too far so people opt to just cross the road and this results in accidents	The expressway will have footbridges and they will be improved to cater for ergonomics too. However, the community should be sensitized to make use of the existing facilities even in the event they are not necessarily at the doorstep because not all facilities can be that conveniently placed.
	Sanjil - stakeholder	Enquired if making improvements on the section that will be on the road bed so as to facilitate proper drainage are part of the project scope because the current drainage	Proper design work and topography will be done to cater for effective drainage systems

Topic	Participant	Issue Raised	Responses
	Nicholas Kweyu – Vivo Shell Bellevue	<p>systems are not working</p> <p>Enquired if the design of the expressway is taking into consideration the traffic flow that the existing service stations along the highway maximize their profits on.</p> <p>Also wanted to find out when the project affected persons will be informed for the setting out of the project so that they can plan on a course of action in time</p> <p>Wanted to find out if the current design could be shared with the stakeholders to enable them to make necessary adjustments</p> <p>Also suggested that as the project is being implemented, the stakeholders will be as involved as they have been so far.</p>	<p>Studies on traffic flow are being done so as to minimize the effect the proposed expressway will have on the service stations. Nonetheless, some of the service stations will be affected.</p> <p>Studies are being done and some trials are already being done for instance, near the airport. The solution has not been found yet but a lot of thinking is being done and cooperation with different parties so as to minimize the negative effects that could result</p> <p>The design is not detailed enough to be shared but it will be around February next year.</p> <p>The suggestion was noted</p>
	Anthony Patrick Muthee – Stelix Kenya	<p>Enquired the exact point of K0 and suggested the design to put into consideration proper waste management and cover the projected population growth</p>	<p>Near Valley View estate at the footbridge. The problem is well noted and for all the utility services that will be interfered with will be noted and relocated even</p>

Topic	Participant	Issue Raised	Responses
	Sandy Bhabra – Subaru Kenya	because the current waste management system is inefficient.  Enquired if the U-turns that provide access to their business will be maintained.	before construction commences.  Turning movements will be maintained
	John Mwangi – Sameer Business Park	Suggested that the existing roads such as enterprise and Likoni roads to be properly done to alleviate traffic during construction of the proposed project	Having possible dispersal roads makes sense and the suggestion will be considered
	Patrick Mwangangi – Hotel Connections Mlolongo	Enquired how people would move from one side of the road to the other	There will be designated crossing points for pedestrians, but the road will be enclosed
Project affected persons	Moses Mangeere N-Proma Investments	Wanted to find out if he was a primary or secondary affected person.	The affected persons are categorized according to impact the project will have on them. Land owners are primary affected persons and those leasing from the land owners are secondary affected persons.
	George Mungai-Kangtels Motors	Requested that more details be shared with the actual project affected persons and in good time so that business owners can plan accordingly and in good time on the way forward for their businesses	The designs haven't been fine-tuned yet but once they are, the specific people who will be affected will be contacted again and engaged separately and in depth to come up with effective and timely solutions
	Wendy Makena-Panesar Centre	Enquired if the service providers of power,	Yes, they've been actively engaged and have even

Topic	Participant	Issue Raised	Responses
	John Hinitu- Kapa Oil	<p>internet and water who will be affected have been consulted</p> <p>Enquired about relocation of utilities owned by independent private contractors</p> <p>Asked if there would be a service charge for independent contractors who may want to improve accessibility to their business</p>	<p>already shared detailed location plans and maps with GPS co ordinates and there's a clear plan on how to go about it</p> <p>If done legally, there should be an agreement with the public service providers and that agreement will be adhered to.</p> <p>The private contractor would decide this</p>
	Asaria Mansul - Architect ASL/WB	Requested to have a similar meeting once the detailed design drawings are ready	The meeting will involve only the affected persons
Compensation	Daniel Mutuku Mbevi - MCA	Enquired if the compensation plan factors in land owners who have only sale agreements and not title deeds	The National Land Commission will address this
	Wendy Makena- Panesar Centre	Asked if the people with adverts and signages on the existing highway would be compensated because they cost a lot of money to put up	The agreement signed when putting up the signages will be referred and adhered to.

Topic	Participant	Issue Raised	Responses
Tolling	Daniel - Stakeholder	Was concerned that the tolling charges would impact the social life of those using the road. He also enquired if discounts would be offered.	The company involved is a private one, hence maintain that discretion. However, there may be promotional strategies to attract users. Where the users are unable to afford the tolling rates, there is another viable option (the existing road) that is free of charge.
Air Quality	George - Stakeholder	If there will be compensation for the stakeholders who are affected by dust during construction	Concerns have been heard and will be addressed effectively.
Project Effects	Daniel Mutuku Mbevi - MCA	Enquired if the project will affect the existing services such as water services	The services that will be affected are already being addressed and being relocated.
Corporate Social Responsibility	Daniel Mutuku Mbevi - MCA	Enquired if the corporate social responsibility to the people in Mlolongo had been put into consideration. He also asked if the process of recruiting workers will consider the youth in Mlolongo	The project is being done by a private company, hence they are not obligated to do so but the suggestion was forwarded and is being considered.
General	Daniel Mutuku Mbevi	Requested assurance that use of the road will remain optional throughout the 30 years  Enquired the reason behind the stalling of the already existing projects such as interchange to the Makutano junction	The assurance is in the agreement signed by the parties involved  The projects stalled because of financial constraints. However, acquisition of a bond is underway that is expected to restart the stalled road projects.

### Closing and Adjournment

The ESIA Consultant thanked the participants for creating time to attend the meeting. The Consultant said that the adjournment of the meeting did not mean the end of engagement. The participants were invited to share further comments and views via the email address provided in the project background information document.

He made his closing remarks by thanking the stakeholders for availing themselves for the meeting despite their busy schedules and for the contributions they had made.

The meeting ended with a word of prayer from a volunteer from the stakeholders

### Confirmation of Minutes

Minutes prepared by: Centric Africa

Date .....

Minutes confirmed by:

*Hon Daniel Mbevi* Date *9/1/2020*

Position

*MCA Mlolongo/Sydekiman ward.*

**ANNEX I PHOTOS OF THE HIGH LEVEL STAKEHOLDERS' MEETING**



Photo 1: KeNHA representative making the presentation for the proposed project



Photo 2: Centric Africa representative making the presentation of the ESIA and ESMP



Photo 3: One of the stakeholders airing his concerns



Photo 4: The stakeholders in attendance



Photo 5: Another stakeholder voicing her concerns



Photo 6: The KeNHA representative responding to the stakeholders' questions

## ANNEX II HIGH LEVEL STAKEHOLDERS' MEETING ATTENDANCE LIST



**HIGH LEVEL STAKEHOLDERS' MEETING SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESS PROJECT ESIA STUDIES**

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/EMAIL	SIGNATURE
Adam Mbugua	Kasina B. Park	Director	0725 271054	
Mwangi Karuvici	Kasina Park	Director	0722769358	
CHEKE KARUKI	KASINA PARK	DIRECTOR	0721 383 389	
Anthony Patrick Muthoo	STELIX KENYA	DIRECTOR	0722 788008	
PETER NJERU	MPPS	ADMINISTRATOR	0702 829339	
YVONNE FRIDAH	DOSHI P/C	HRO	0718614905	
PETER WATHWA	JOMAN TIMBER	DIRECTOR	0720490300	
Mwangi Wadhwa	Joman Timber	Stakeholder	0719 626 352	
Darius Githin	Kellies Creche	Property manager	0741079084	
SHAMI PATEL CHARAN PATEL	Kobica/K Ltd	Director	0722765646	



**HIGH LEVEL STAKEHOLDERS' MEETING SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESS PROJECT ESIA STUDIES**

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/EMAIL	SIGNATURE
Hon Daniel Mbon	Makindu County Assembly	MCA	0722 858845	
Job Mwangi	IMARA DAIMA ESTATE ASSOCIATION (IDEA)	SECRETARY	0721387592	
Denis Kuria	Permat / Koiner LTD	Director	0722 749142	
JACKSON OKANDO	GATEWAY MALL	properties manager	0721725301	
OMENO HILARY	VEK	ENGINEER / SAFETY	072551089	
NICHOLAS KWEYU	VEK	ENGINEER	072668820	
MUKIRA ABDUL	Abdi diesel workshop	Abdi diesel	0717-814-100	
GESDHE MUNGAI	KANGITHS MOTORS	Director	0700436468	
ASHA ASARIA	ASL/WB	Arch	0733812567	
STELLA NYAKUNBI	KRONA PARK	PROPERTY MANAGER	0722987987 ramco@goodliving.co.ke	



**HIGH LEVEL STAKEHOLDERS' MEETING SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESS PROJECT ESIA STUDIES**

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/EMAIL	SIGNATURE
PATRICK KEMET	NORWICH UNION PROPERTIES LTD	PROPERTY MANAGER	0720820426, Patrick@norwich.co.ke	
SANDY BHABHA	Oriel/Subaru	ADMINISTRATOR	0722 701173 sandy@onitkenya.com	
PETER SAWE	NMG	MANAGER	0721571154 psawe@kenahighways.com	
AMARAGO JAROO	BANQUES LTD	GM	0722394285 gm@telcel.com	
Moses M. Ngunjiri	Prora/Macharia	Director	0706545429 Mosesm29@yahoo.com	
JOHN HIMITI	KAPA OIL SERVICES	Manager	0726065600 Maintenance@kapa-oil.com	
Gautam Patel	Polythene Int.	Director	Gautam@polythene.co.ke - 0733-726101	
PETER MUTAVI	STANDARD GROUP	Prod. Manager	0721717900 Pmutav@standardgroup.co.ke	
Juried Mwendu	RURAL ELECTRIFICATION & RENEWABLE	Ag. SSCMO	0712253726 juriedmwendu@gmail.com	
Indar Bahra Gurcharan Bahra	Scham Oil Kenya	Managing Director	0700518840 0723974463 info@schamoil.com	



**HIGH LEVEL STAKEHOLDERS' MEETING SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESS PROJECT ESIA STUDIES**

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/EMAIL	SIGNATURE
Pius Makau	St. Joseph's College	Mlolongo	0722 776007	
Tom Aduma	Amithena Holdings Ltd	Mlolongo	0722588074	
Justus Mungai	C&S properties	Mlolongo	0720 70915	
NICHOLAS M. MATWA	HARISE PLAZA	MLOLONGO	0700 203023	
Lawrence Omondi	Interstrad Ltd	Belleuve, Shell	0780 202014	
MICHAEL KIBARI	CENTRIC	ES CONSULTANT	0733 399685	
Joyce Owino	Centric	ES CONSULTANT	0714906409	
Kavata Mutisya	Centric	Consultant	0702699958	
ALLAN OWINO	CENTRAL	ESS CONSULTANT	0729924873	
EMUNICE OPONDO	CENTRIC	ES CONSULTANT	0724646871	



**HIGH LEVEL STAKEHOLDERS' MEETING SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESS PROJECT ESIA STUDIES**

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/EMAIL	SIGNATURE
ELIZABETH Njiru	PHOENIX ADVISORS	(Sister to owner) DEADEND MURRAY	0728594210	
CHRISTINE Mwendu	JULEX	MANAGER	0726605904	
JOHN Mwangi	LAMBER BUSINESS PARK	MAINTENANCE MANAGER	0732999310	
EVALYNE WAMUARI	THERMOTEC LTD	SALES REPRESENTATIVE	0710339881	
ANANESH PATEL	LAB & ALLIED	CHAIRMAN	0722 513653	
J. LUTHLA	UNITED COMPLEX	MANAGING DIRECTOR	0791482248	
George Ochumoda	ETKA HOTEL	Engineer	0701122698	
Rachel Crotome	Big Square	Project	0721422898	
MORRIS NYAMBIAIC	DASHI GROUP	Administrator	0725686671	
Peter m. Kusengele	Elkams Products	Logistic Manager	0721560006	



**HIGH LEVEL STAKEHOLDERS' MEETING SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESS PROJECT ESIA STUDIES**

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/EMAIL	SIGNATURE
GLADYS NJERIMWANI	Off Kapiti RD Gladys ANI	DIRECTOR	0721701967	G. Nyani
Stanley Mwarasi	KENHA	H/PPP	0722510416	[Signature]
NEAHY MURUGA	PHURU	ADMINISTRATOR	0718920013	[Signature]
Isaac Kanyingi	Kisumu mlolongo	owner	073563574	[Signature]
Peter Musilo	Stage 11111 Tulimani Holdings	Owner	0790999996	[Signature]
Amos Okech	H&C-H&B	GM	0721952887	[Signature]
WESTON KAMAU	KIFARU PLACE	DIRECTOR	0722885632	[Signature]
Daniel BAAU	LORRAL	EHS MANAGER	0721255833	[Signature]
Peter NZANI	NZANI ENVIRONMENTAL	DIRECTOR	0713509838	[Signature]
Margaret NZOLU	Sema Health Products	DIRECTOR	0722399788	[Signature]



**HIGH LEVEL STAKEHOLDERS' MEETING SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESS PROJECT ESIA STUDIES**

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/EMAIL	SIGNATURE
Esther Kagema	LOCAL E.A	Security. M	0723978642	
WENDI MAKWA	PAWESAR'S	Property Manager	016450507	
Patrick Mwangi	HOTEL CONNECTIONS	HOSPITALITY -	0722175922	
Servaneel Mwangi	I D E A-IMMORTAL	introduction	0722843703	
STEPHEN O. WAMBATI	SPINON GROUP	MANAGER SALES	0720801392	
CASADO	LANCER INS.		0721862832	
FENS LTD	John Cichok	MANAGER	0721593670	

**Minutes of the High Level Stakeholders' Meeting for the ESIA and RAP Studies for the Proposed Nairobi Expressway Project Held on 11<sup>th</sup> December 2019 at The Kenya Agricultural Livestock Research Organization, Westlands, Nairobi.**

<b>Subject/Ref</b>	ESIA and RAP Studies for the Proposed Nairobi Expressway Project
<b>County</b>	Nairobi
<b>Meeting Venue</b>	KALRO, Westlands
<b>Date and time of Meeting</b>	11 <sup>th</sup> December 2019 at 2:45pm- 5:50pm
<b>Project representatives Present</b>	Eng. Julia Ondeyo (KeNHA) Patricia Agula (KeNHA) Eunice Opondo (CENTRIC AFRICA) Joyce Owino(CENTRIC AFRICA) Allan Owino(CENTRIC AFRICA) Haroub Ahmed(CENTRIC AFRICA) Kavata Mutisya(CENTRIC AFRICA) Zaritu Endale (CENTRIC AFRICA)
<b>Number Of participants</b>	Male: 60 Female: 14
<b>Distribution</b>	KeNHA, CRBC and Centric

**Agenda of the Meeting**

The agenda was as follows:

- Opening remarks/prayer
- Introduction of participants
- Overview of the agenda of the meeting by Centric Africa
- Presentation of the proposed project by KeNHA
- Presentation of the ESIA process and development of ESMP and Resettlement Action Plan by Centric Africa
- Question and answer session
- Closing and adjourning of main meeting

**Commencement of the Meeting**

The Meeting was called to order at 2.45 pm by Eunice Opondo from Centric Africa. She proceeded to state the agenda of the meeting as a high level stakeholders' meeting with Stakeholders fronting the Project alignment. She requested a member to open the meeting with a word of prayer which was done by Dr. Bernard Baumwera representing Kenya Methodist University. Thereafter, a round of introductions followed from members, KeNHA and Centric team. Engineer Julia from KeNHA, took over to make project presentation on behalf of the project client CRBC, KeNHA.

### **Project Description ( Directorate of Development, KeNHA)**

Eng Julia commenced by thanking the business community for being present and taking their time to understand the project. She provided an overview of the proposed Nairobi Expressway project

- The justification of the proposed project was:
  - a) The original state of Mombasa road
  - b) Populations growth of Nairobi
  - c) Contribution of the highway to the economy
  - d) Decongesting so as to reduce losses in time and money, minimize accidents and air pollution caused by the incomplete combustion of vehicle fuels in traffic jam
  - e) Other initiatives to provide relief to the road, namely the bypasses.
- A value for money analysis was done to find out the cheaper option for the proposed project and it was found that it would be 32.6% cheaper for the road bed section (Mlolongo- Next Gen) and 40% cheaper for the elevated section (NextGen to ABC place) if done with the private investor.
- It was preceded by concept studies which were carried out by the proponent. A traffic forecast was also done and key issues such as the number of lanes addressed. The tolling rates were also evaluated by surveys which were done to determine the willingness to pay.

#### **The characteristics of the proposed expressway were as follows:**

- A 26.7 km long expressway largely on the median of the existing A8
- The expressway starts from Mlolongo, proceeds to JKIA, Nairobi CBD, Westlands and terminating at ABC place. 26.764km long expressway which includes 15.739km at grade section (Mlolongo to Southern Bypass interchange) and 11.025km elevated section (Southern Bypass interchange to ABC Place)
- The road will comprise four lanes with two emergency lanes to be used by ambulances, fire brigades, police and other emergencies service providers who will be allowed to use it for free. Some sections will have six lanes. The breakdown was as follows:
  - a. ABC place to the southern bypass will have four lanes and will be elevated
  - b. The Southern Bypass to the Eastern Bypass will have six lanes and will be on the road bed and
  - c. The Eastern Bypass to Mlolongo will have four lanes and will be on the road bed.
- The road design drawings made provisions for access to the Standard Gauge Railway (SGR), Jomo Kenyatta International Airport (JKIA), Eastern Bypass, Southern Bypass, Capital Centre interchange, Thika Road interchange and the James Gichuru Roundabout.
- There will be service roads, ramps, foot bridges and interchanges.
- The road will be fully fenced with controlled access and have ten entries/exits.
- The project is a Public Private Partnership under the B.O.T model (Build-Operate-Transfer) between a private investor (CRBC) and the Government of Kenya, and will be constructed over a period of 3 years commencing in 2020
- This is the first BOT (Build-Operate-Transfer) road project whereby the (Investor takes

the revenue risk)

- All facilities will be handed back to the Government of Kenya after a concession period of 30 years, together with its advanced technology and management.
  - The cost of construction of the expressway is approximately 557 million US dollars.
  - The road will be tolled for purpose of CRBC recouping their investment.
  - The anticipated benefits of the construction of the expressway include
    - a. Reduced traffic congestion
    - b. Reduced transit time
    - c. Easier transportation of people and goods hence promoting local economy
    - d. Provision of job opportunities
    - e. Direct transfer of technology
    - f. Largest FDI to attract more private investment
    - g. Realisation of vision 2030 and the Big four agenda
    - h. Enhanced competitiveness
    - i. Savings on motorists since it is estimated that fifty million shillings is lost in Kenya daily in traffic jam
    - j. Reduction of vehicular emissions hence improved air quality
    - k. Reduction in response time for emergencies
    - l. Attraction of international investors
    - m. Business opportunities for local supply chain
    - n. Attractiveness of areas around Mlolongo to both foreign and local investors
  - The social and environmental issues that were highlighted were creation of employment opportunities, safety precautions during construction and interruptions during construction
  - The mitigation measures were optimised land use, comprehensive traffic management plan to avoid or minimize interference with existing A8 road. The plan will entail dumping of construction materials at night and development of ESMPs plans.
- The project implementation process consisted of the launching which was done on 16<sup>th</sup> October 2019, a construction period of 3 years, the implementation by a private entity and the recovery of the funds through a tolling system.

**ESIA Process, ESMP Development and Resettlement Action Plan (Centric Representative)**

- A representative from Centric Africa. Ms. Eunice Opondo defined ESIA as the process of maximizing positive impacts and minimizing or eliminating the negative ones. She also explained that the requirement for an ESIA is enshrined in the Environmental Management and Coordination Act (EMCA), 1999, (amended in 2015) which is the framework law on environmental management in Kenya. The Act provides for environmental protection through processes such as Environmental Impact Assessment, Environmental Audit and Monitoring.
- EMCA 1999 (Amended 2015) section 58 categorizes project as High Risk (Category I), Medium Risk (Category II), and Low Risk (Category III)
- All new major road projects are categorized as Category 1 in Section 58(2) of EMCA 1999 (2015) and requiring Full ESIA Study
- The Nairobi Expressway falls under high risk project. It has been determined that

the Expressway project will be subjected to a Full ESIA Study to enable an in-depth identification and analysis of potential impacts, and subsequent devising of appropriate mitigation and enhancement measures.

- Centric Consultant gave the progress of the ESIA which commenced with a desk study, then development of the Terms of Reference which were approved by NEMA and various studies which included air quality assessment, noise and vibration survey, soil sampling, water quality assessment, climate change analysis, socio-economic survey and biodiversity assessment. A Resettlement Action Plan is scheduled to commence. She highlighted the avid stakeholder engagement involved in the process. They consisted of public consultation meetings at Mlolongo, Syokimau, South B, South C, Imara Daima and Westlands, Focused Group Discussions and high-level stakeholders' meetings.
- The ESIA process entails screening a project to determine whether an EIA is required or not, and if needed, the level of scrutiny (environmental assessment) that the project should be subjected to. Screening is following by a baseline and scoping study to determine the nature and magnitude of anticipated environmental and social impacts
- Stakeholder consultation is a key aspect of the EIA Study and, is anchored in the Constitution of Kenya 2010 and is also supported by the Public Participation Bill of 2018. It is therefore crucial that stakeholders in any given development are identified and engaged at various levels with an aim of obtaining their views, concerns, suggestions and recommendations, to be incorporated in the project. Centric explained that it is for this reason that stakeholder engagement is being carried out with various parties including line national government institutions, county government, civil society organizations, professional bodies, roadside traders and large establishments fronting the proposed alignment, residents along the corridor and various road users including long distance truck drivers, PSVs, cyclists, pedestrians etc.
- Centric explained that the Terms of Reference for the ESIA Study had been submitted to NEMA for review and the approval to proceed with the study was granted
- Once the ESIA Report is submitted to NEMA, the Authority will generate the summary of potential impacts and mitigation measures for publication in two local dailies and in the Kenya gazette. The public will be invited through the advert to peruse the report and give comments over a period of thirty days.
- NEMA will then review the report and decide whether to issue an EIA license with conditions or not.
- A Centric Africa Resettlement Action Plan (RAP) consultant presented on the RAP process.
- He mentioned that the objective of RAP is to provide a guide for the resettlement and rehabilitation of project affected persons (PAPs)
- The specific objectives included a) Identifying the Project Affected Persons b) Coming up with a compensation plan c) Ensure compliance with legal and regulatory requirements d) Incorporating the outcome of consultations and

<p>participations e) Development of a Grievance Redress Mechanism (GRM) and f) Monitoring and evaluation</p> <ul style="list-style-type: none"> <li>The scope of RAP involved: a) Collection of baseline socio-economic data b) Census of PAPs to develop inventory c) Analysis of the nature of impacts d) Categorization of the PAPs based on impact e) Eligibility criteria for compensation f) Valuation of structures, crops and total land affected g) Entitlement matrix h) the Grievance Redress Mechanism (GRM) i) Determination of cut-off date and finally j) Legal review to inform PAPs the legal implications</li> </ul>
<p><b>Interactive Session with Participants</b></p>
<p>After presentations from the client and Centric, the meeting proceeded to an interactive session where participants were given opportunity to ask questions, comment on the project, seek clarification, and any other concerns and recommendations for project development.</p>

**Table 1: ISSUES RAISED AND RESPONSES GIVEN**

Topic	Participant	Issue Raised	Responses
Interchanges and Ramps on the Expressway	Mohan - One Africa	Enquired potential impact on the small roads joining Waiyaki way and towards Kileleshwa (for lack of detailed design that's being fine-tuned.)	The design of the expressway will not affect the existing Westlands roundabout. Ramps are staggered away from the buildings and will not affect frontage of One Africa.
	John Kimura	asked if the ramps affect the frontage of the building.	
	Mohan - One Africa	Will detailed design be shared?	Participants were requested to visit KeNHA offices to discuss the final design as soon as it is ready in February 2020.in depth discussions to commence in January.
	Makena- MUA residents Association	MUA residents wanted to know how they will access their properties; utilities interruptions and landscaping after interfering with existing landscaping.	The contractor will share detailed traffic management plan. MUA residents will be able to plan their movements during construction. Traffic department will also be notified and public notices will be issued for

Topic	Participant	Issue Raised	Responses
			any closures or diversions
	Patel- Stakeholder	Clarity on when proposal on ESIA is completed.	THE ESIA report will be submitted by the end of December 2019. NEMA will publish the report and give a link for public to comment within 30 days.
	Sylvia – Dunhill Towers	Tentative timelines when the final project design is released.	The contractor promised that the final design will be out by February 2020
		Access to their property on chiromo road	There shall be an interchange near the property The ramp is staggered, it will not affect Dunhill towers
		Elevated road will impact security of the building	The road is expressway, it is fenced hence no stopping and looking and no impact on security.
		Experiencing high level noise pollution; how will interchange affect the building?	-
Tolling	-S K Mwaura – (Secretary Kenya Railways Golf Club)	Complained that tolling is double taxation to Kenyans using the road considering that fuel levy is charged by the government for all roads used.	Toll fee is for maintaining the road and operations and also for the investor to recoup his investment.
Private Land		-Expressway may encroach on Railway city land between Bunyala Rd and Haile selasie Avenue : final design to be presented Kenya Railways; Secretary	KeNHA has received letters from Kenya Railways Golf Club and forwarded to CRBC on how the railway city and other developments will be handled.
		requested to have a separate one on one	

Topic	Participant	Issue Raised	Responses
		<p>meeting with KeNHA/NEMA</p> <p>-According to the Kenya National Disaster Policy of 1979 – Central Park and City Park are among destinations that flood waters collect; hence when express way is constructed the Railways Golf City is concerned of waterways being interfered with flooding their grounds.</p> <p>Enquired on timelines for uptake of land to be taken away by the project.</p>	<p>The floodplane area will not be touched by the project except pillars for the elevated section. The drainage system on the viaduct will be on the viaduct and not on the ground.</p> <p>-Designs being crystallized, NLC already know which land and where will be acquired. A schedule has been sent to NLC and they will reach out to landowners soonest and will communicate with affected persons.</p>
	Hirani Hotel Boulevard	Secrecy of the Expressway Contract: why involve stakeholders after project was launched	Project contract not a secret much as it was signed. Stakeholder engagements is for feedback mechanisms and finalize a design that is optimal for everyone.
Utility Relocations	Crispin Odongo Communications Authority of Kenya	-Communication facilities will be adversely affected, there needs to be provisions of channels for communications ducts and also other alternatives besides burying the cables	ICT Authority been involved from the launch of the project; funds have been allocated for relocation of cables; there will be sleeves that will be provided for all cabling. Disruptions of services have been noted as well, funds have been allocated

Topic	Participant	Issue Raised	Responses
		-KeNHA requested to construct other bypasses to divert heavy vehicles from entering the CBD and interfering with traffic.	for swift restoration.  -Suggestion well noted
Project Impact during construction	Petronella- Chair Westlands Association	Asked KeNHA how far the constraint of the road is? -Requested land acquisition and scope of work be shared with stakeholders;  - How will construction impact on school children's calendar?  - Youth employment	The road does not touch Uhuru Park; the ramps are shifted backwards. The military building may be interfered with but the discussions are ongoing though at preliminary stage. The military members present requested and FGD with KeNHA/Centric to discuss this further.  KeNHA will discuss final traffic management plan with the contractor. Dumping of materials will be done at night. For school children's crossings is being considered by the contractor.  -There will be 3000 jobs for youths during construction of NEP and 500 post construction for maintenance and operations.
Project affected persons	Gregory- OLA energy	Questioned about business assets that are on KeNHA reserve, what reliever is KeNHA offering for payments are done yearly  -Sewerage systems; there is back and forth	George was requested to contact KeNHA and he will be engaged.  KeNHA apologized for run around of

Topic	Participant	Issue Raised	Responses
		between contractor and Nairobi waters whenever there is interference with sewer system.	stakeholders and promised to take up the issue as soon as it arises during construction.
	Chris - Surveyor	<ul style="list-style-type: none"> <li>-Contractor to ensure that during construction there is access for all types of cars as per previous road use</li> <li>- Contractor to give out a hotline number for communication incase of any issues that may arise</li> <li>-Chinese surveyors to share final data</li> </ul>	<p>Contractor will be informed accordingly.</p> <p>-KeNHA customer care number and email was shared</p> <p>KeNHA has an internal surveyor who is also engaged and queries will be addressed.</p>
Corporate Social Responsibility	Petronilla - CEO Westlands Associations	- Complained that construction lorries spoil existing feeder roads during construction and asked if the contractor can fix the damaged roads as CSR	The contractor will be informed accordingly

**Closing and Adjournment**

Centric Consultant thanked the participants for attending the meeting. Participants were informed that many more engagements will be organized in future as the project progresses to make the project a success. They were invited to share any more comments they may have via the email addresses provided.

The meeting adjourned at 5.50pm

**Confirmation of Minutes**

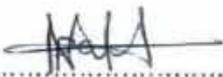
Minutes prepared by: Centric Africa

Date .....

WESTLANDS ASSOCIATION

Minutes confirmed by: PETRONILA NAFULA Date: 09/01/2020

Position

 CEO



**ANNEX I PHOTOS OF THE HIGH LEVEL STAKEHOLDERS' MEETING**

	<p><b>High Level Stakeholder Engagement Meeting at KALRO, in Westlands</b></p>
	<p><b>Engineer from KeNHA Presenting the Project Background Information</b></p>
	<p><b>Centric representative presenting on the Environmental Aspects of the Project</b></p>



**Centric Representative covering the social Aspects of the Project**



**A Stakeholder raising a comment during the Interactive session**



**A Resident along the Project Footprint raising a concern**



**Engineer, KenHA responding to issues raised during interactive session**



**A stakeholder giving his view during the interactive session**

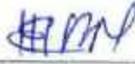
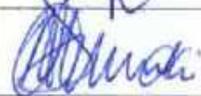
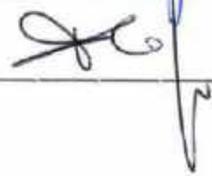


**A stakeholder giving her view during the final round of interactive session**



## ANNEX II HIGH LEVEL STAKEHOLDERS' MEETING ATTENDANCE LIST

**HIGH LEVEL STAKEHOLDERS' MEETING SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESS PROJECT ESIA STUDIES**

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/EMAIL	SIGNATURE
1 Mohan Gahuri	Grenadier Mgmt Ltd	PM	0722 148 775 sgahuri@grenadierglobal.com	
2 Cyrus Kinyua	Nestlads Triangle Properties Ltd (PCC)	Portfolio Accountant	0729 828 176 Cyrus.Kinyua@cbre-kenya.com	
3 BENJAMIN OOKO	Grenadier Mgmt.	Projects c.o.w / Eng	0720-340469 benjamin@grenadierglobal.com	
4 Robinson Rasugu	Nairobi Hebrew	Accountant	0728476879 robinjunrasugu@gmail.com	
5 KUSH SHAM	Muguga Green Mgmt. Ltd.	Management Committee	0733 602189 KUSHAMUGUGASHAM@gmail.com	
6 Sylvester Kimemia	Ac. Ik St. Mark's Church Westlands	Verger	072514611	
7 MRS BOUGUAS BUKHTU	KABETE BARRACKS (KDF)	Kabete barracks Rep	0720 826260	
8 CAPT MATHENGI	Ministry of Defence	DoD Rep	0723596893	
9 Peter Buliva	Kenya Power	Technical Services	0722496958 pbuliva@kepc.co.ke	
10 David Muguwa	Knight Frank	Property Manager	0722667318 david.muguwa@ke.knightfrank.com	

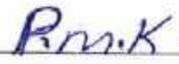




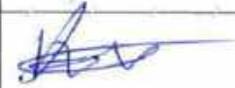
**HIGH LEVEL STAKEHOLDERS' MEETING SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESS PROJECT ESIA STUDIES**

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/EMAIL	SIGNATURE
1 Joseph Digo	Computech limited/ Simlah limited	Project Manager	0727456079 joseph.digo@computechlimited.com	
2 MACHARIA NJUGUNA	NJUGUNA'S PLACE	OWNER	0722738364 njugunas33@gmail.com	
3 S.K. MWAURA	KENYA RAILWAY GOLF CLUB	HON. SECRETARY	0722847234	
4 —	—	—	Skmparapote@gmail.com 0720677421	
5 John Kimura	Boogertran Architects	ARCHITECT	kimura@boogertran.co.ke	
6 AMREKAYIA AMREKAYIA	CONSULTANTS FATHERS	ADMINISTRATOR	0703672662 amrekayia@consultants	
7 PANKAJ PATEL	DIASTA INVESTMENTS	DIRECTOR	0733512802 pankajmpatel@gmail.com	
8 Richard Nyaanga	Skulima Sacco	CEO	0722497901 nyaangarichard@gmail.com	
9 Sandeep Malde		owner	0733615007 0707367349	sandeep.malde61@gmail.com Tanuja.malde@pwc.com
10 Grace Njui Whitman Sacco	Whitman Sacco	Admin Manager	0721308531 njui@whitman.com	
11 M. POONAWALA	ABC			mehlamp@hstmal.com 

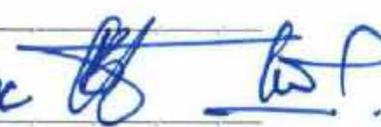
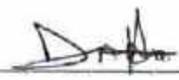
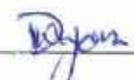
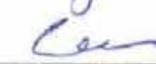
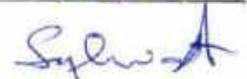
**HIGH LEVEL STAKEHOLDERS' MEETING SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESS PROJECT ESIA STUDIES**

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/EMAIL	SIGNATURE
1 PAUL KAGIWI W.	Jua Kali	MECHANIC	0722-866761	
2 Joseph Kimani M	Jua Kali	Mechanic	0721679676	
3 PETER MBUGUA	Jua Kali	mechanic	0724147461	
4 Eustus Gichere	Juakali	Carwash	0726527855	
5 BIDAN NGATHA	Juakali	carwash	0735031719	
6 George IEBI	Juakali	breakdown	0705848895	
7 Julius macharia	Juakali	mechanic	0722557054	
8 BENIFACE WAIGAITO	Juakali	CAR WASH	0720934522	
9 Dorienne AKOTH	Juakali	Kibanda	0723541154	
10 Paul Murese.K.	Juakali	meck	0708372774	

**HIGH LEVEL STAKEHOLDERS' MEETING SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESS PROJECT ESIA STUDIES**

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1 Patricia Agula	KENHA	S-ESS	P.agula@kenha.co.ke	
2 Fredrick Mwiriri	Breakdown WES	WESTLANDS	0728 613 640	
3 PETER MURUGA	Breakdown	WESTLANDS	0722 169 301	
4 MORRISON WAMBA	CARWASH / PARK PLAZA	WESTLANDS	0722 702 117	
5 Bernadette Gitari	Consolata Shrine	Westlands	0725 777 686	
6 Joycelyn Makera	Mina Park	Westlands	0726 623 963	
7 Samuel M Nyonyi	car wash	W/lands	0721 208 836	
8 Nathashon Mwangi	Car wash	W/lands	nathashonmwangi@gmail.com 0726 527 855	
9 Hamis Thuiya	NW Real Estate	Westlands	0722 427 686	
10 ANTHONY NJOGU	INTERCONTINENTAL NAIROBI	Dir. I.T.	0717 999 008	

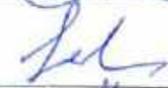
**HIGH LEVEL STAKEHOLDERS' MEETING SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESS PROJECT ESIA STUDIES**

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/EMAIL	SIGNATURE
1 Dr Bernard Bambara	Kenya Methodist University	Principal	0721 488690 bernard.bambara@kemu.ac.ke	
2 DAVID OMONDI	KENYA METHODIST UNIVERSITY	OPERATIONS	0722 884633 david.odiango@kemu.ac.ke	
3 Mwadeda S.J. Rukia	Allpack Industries	Admin.	0723 508269 robert@allpack.co.ke	
4 Robert Ngoiya Waitira	B/down & carwash	Westlands	0723 101105	
5 ALLAN OWINO	CENTRIC	ESS CONSULTANT	0729924823	
6 Kavata Mutisya	Centric	Consultant	0702699958	
7 DUNCAN MURURI	Hoise B/down	Driver Hoise	0724121152	
8 GEORGE NJUCUYA	Hoise break-down B/down	Driver Hoise	0712382683	
9 Sylvia Alal	Dunhill Towers		0703 408666	
10 Alan Stephen	KENHA HQ (CCD)	1-CCD	0727554567	

**HIGH LEVEL STAKEHOLDERS' MEETING SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESS PROJECT ESIA STUDIES**

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/EMAIL	SIGNATURE
1 George Mungai	KenHA HA	1 cop	0721851888	<i>[Signature]</i>
2 Gregory Wany	DLA Energy		0720342984	<i>[Signature]</i>
3 Kubiwa dengus	DLA ENERGY		070930421	<i>[Signature]</i>
4 Mary Ngong'o	DLA Energy		0717749262	<i>[Signature]</i>
5 H. HIRANI	Centric (K) Ltd	Direct	0722515077	<i>[Signature]</i>
6 HAROLD . A.	CENTRIC	ESIA	0722314448	<i>[Signature]</i>
7 Mwale Everette	Utali house		0726434795	<i>[Signature]</i>
8 Christopher King'ya	VECTOR CONSULTANTS	LAND SURVEYOR	0722-519059	<i>[Signature]</i>
9 Caroline Kinuthia	Utali House		020-3224129	<i>[Signature]</i>
10 Crispine Ogungu	CA	Manager	0703042000	<i>[Signature]</i>

**HIGH LEVEL STAKEHOLDERS' MEETING SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESS PROJECT ESIA STUDIES**

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/EMAIL	SIGNATURE
1 Michael Kagana	Anglo African Ltd	Asst Property Manager	Mkangwana@mararch.co.ke 0734767024	
2 JAMES GILBERTSON	DMI	PROPERTY MANAGER	JAMES.GILBERTSON@DMI.WORK	
3 SAMUEL IRIKUGU	DMI	CFO	SAMUEL.IRIKUGU@DMI.WORK 0727-066-6244	
4 PETER KAMAU.	CAR WASH	WESTLAND	0769 565 208	
5 <sup>MACABIA</sup> STEPHEN <del>IRI</del>	CAR WASH	WESTLAND	0719300891	
6 DANSON MWANGYUMBA	MECH MWANGYUMBA	WESTLAND OLKARIA WEST	0704756767	
7 John Kimani	Breakdown	WESTLANDS	0724107079	
8 Zarith Endale	Centric	Westlands	0720985935	

**Minutes of the Public Consultation Meeting for the ESIA and RAP Studies for the Proposed Nairobi Expressway Project Held on 27<sup>th</sup> November 2019 in Westlands Location, Westlands Sub-County.**

<b>Subject/Ref</b>	ESIA and RAP Studies for the Proposed Nairobi Expressway Project
<b>County</b>	Nairobi
<b>Location</b>	Westlands
<b>Meeting venue</b>	Sarit Centre, Westlands
<b>Date and time of meeting</b>	27 <sup>th</sup> November 2019 between 09.36- 11:30am

<b>Project representatives Present</b>	Eng.Stanley Mwawasi (KENHA) Eng. Julie Ondeyo (KENHA) Damaris Obiera(KENHA) Eunice Opondo (CENTRIC AFRICA) Joyce Owino(CENTRIC AFRICA) Joseph Gitu(CENTRIC AFRICA) Allan Owino(CENTRIC AFRICA) Mary Zaritu(CENTRIC AFRICA) Yvonne Wairimu(CENTRIC AFRICA) Michael Kabiru(CENTRIC AFRICA) Jane Kimani (CENTRIC AFRICA) Iddah Mukiri (CENTRIC AFRICA)
<b>Number Of participants</b>	Male:  Female:

<b>Distribution</b>	KeNHA, CRBC and Centric
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### Agenda of the Meeting

The agenda was as follows:

- Opening remarks/prayer
- Introduction of participants
- Overview of the agenda of the meeting by Centric Africa
- Project Description by KeNHA
- Presentation of the ESIA process and development of ESMP by Centric Africa
- Question and answer session
- Closing and adjourning of main meeting
- Focus group discussions with road user groups

### Commencement of the Meeting

The meeting was opened by the Area assistant county commissioner who in turn requested a resident to open the meeting with prayer. He then proceeded by ensuring introductions were done by everyone present before inviting Centric and KeNHA team to take over the meeting. The Centric ESIA expert stated the agenda of the meeting as a public participation meeting.

### Project Description ( Project Manager, KeNHA)

- Eng. Stanley provided an overview of the proposed Nairobi Expressway project whose characteristics include:
  - A 26.7 km long expressway largely on the median of the existing A8
  - The expressway starts from Mlolongo, proceeds to JKIA, Nairobi CBD, Westlands and terminating at ABC place. 26.764km long expressway which includes 15.739km at grade section (Mlolongo to Southern Bypass interchange) and 11.025km elevated section (Southern Bypass interchange to ABC Place)
  - The road will comprise four lanes with two emergency lanes to be used by ambulances, fire brigades, and police and to cater for other emergency. Some sections will however have six lanes
  - There will be service roads, ramps and interchanges
  - The road will have a design speed of 80km/hr.
  - The road will be fully fenced with controlled access
  - The project is a Public Private Partnership under the B.O.T model (Build-Operate-Transfer) between a private investor (CRBC) and Government of Kenya, and will be constructed over a period of 3 years commencing in 2020
  - This is the first BOT (Build-Operate-Transfer) road project whereby the

(Investor takes revenue risk)

- All facilities will be handed back to the Government of Kenya after a concession period of 30 years, together with its advanced technology and management.
- The cost of construction of the expressway is approximately Kenya Shillings Sixty Billion.
- The road will be tolled for purpose of CRBC recouping their investment. There will be ten toll stations which will also have security cameras.
- There will be no demolition of buildings along the project route. A few perimeter walls may however be affected by land acquisition
- The anticipated benefits of the construction of the expressway include a)Reduced traffic congestion b)Reduced time spent in traffic c) Easier transportation of goods and services hence promoting local economy
- The one-way toll charge for salon cars will be 300 shillings and 1800 shillings for trucks.
- The Contractor will have a comprehensive traffic management plan to avoid or minimize interference with existing A8 road. The plan will entail dumping of construction materials at night.

#### **ESIA Process and ESMP Development ( Centric Representative)**

- The Centric representative explained that the requirement for an ESIA is enshrined in the Environmental Management and Coordination Act (EMCA), 1999, (amended in 2015) which is the framework law on environmental management in Kenya. The Act provides for environmental protection through processes such as Environmental Impact Assessment, Environmental Audit and Monitoring.
- The Second Schedule of the Act identifies development of road projects as requiring EIA studies
- By way of consideration of the nature of anticipated environmental and social impacts in terms of severity, ease of reversibility, longevity and the geographical scope which may be impacted by the project, it has been determined the Expressway project will be subjected to a Full ESIA Study to enable an in-depth identification and analysis of potential impacts, and subsequent devising of appropriate mitigation and enhancement measures
- The ESIA process entails screening a project to determine whether an EIA is required or not, and if needed, the level of scrutiny (environmental assessment) that the project should be subjected to. Screening is following by a baseline and scoping study to determine the nature and magnitude of anticipated environmental and social impacts
- Stakeholder consultation is a key aspect of the EIA Study and, is anchored in the Constitution of Kenya 2010 and is also supported by the Public

Participation Bill of 2018. It is therefore crucial that stakeholders in any given development are identified and engaged at various levels with an aim of obtaining their views, concerns, suggestions and recommendations, to be incorporated in the project. Centric explained that it is for this reason that stakeholder engagement is being carried out with various parties including line national government institutions, county government, civil society organizations, professional bodies, roadside traders and large establishments fronting the proposed alignment, residents along the corridor and various road users including long distance truck drivers, PSVs, cyclists, pedestrians etc.

- Impact prediction and analysis paves way for the development of the ESMP whereby appropriate mitigation measures are devised for anticipated adverse impacts and enhancement measures are suggested for positive impacts
- The ESIA Consultant will prepare an elaborate ESMP to cater for all anticipated project impacts. Some of the mitigations measures to be proposed will largely be informed by best industry practice, for instance, kit may be recommended that the Contractor institutes a grievance redress mechanism during construction and operation of the road, the Contractor rolls out a road safety awareness campaign to mitigate traffic incidents and an HIV/AIDS campaign to mitigate spread of STDs. Further the Consultant may recommend that project workers abide by a stringent code of conduct to curtail adverse impacts to the neighbouring communities.
- Several sub-studies will be carried out as part of the ESIA Study with a view of establishing the baseline. These including air sampling, noise survey, soil sampling, water sampling and biodiversity assessment.
- Statistics such as pertaining to traffic incidents will be collected from relevant institutions to inform the baseline and decision making pertaining to project design
- Centric explained that the Terms of Reference for the ESIA Study had been submitted to NEMA for review and the approval to proceed with the study had been granted
- Once the ESIA Report is submitted to NEMA, the Authority will generate the summary of potential impacts and mitigation measures for publication in two local dailies and in the Kenya gazette. The public will be invited through the advert to peruse the report and give comments over a period of thirty days.
- NEMA will then review the report and make a decision as to whether to issue an EIA license with conditions or not issue the EIA license

### **Interactive Session with Participants**

The meeting then progressed to an interactive session whereby the participants were given the opportunity to ask questions, make comments, seek clarification, and air

their views, concerns and recommendations for incorporation into the project development.

**Table 1: ISSUES RAISED AND RESPONSES GIVEN**

Project Aspect	Participant	Issue Raised	Responses
Project design	Kangwena-Africa Property Holdings	Enquired on whether the project was a proposed project or it was on its implementation stage	Previous studies had been done from JKIA to James Gichuru. The ESIA was done and a license given but due to the tweaks in the design, another ESIA had to be done to capture the views of the people in regards to Tolling and addition of Mlolongo Area which was not in the original design.
		Enquired on the wetlands roundabout as it was closed	Kenha is aware of the issue and relevant departments are working on it
		Enquired on the number of Toll stations from Halle Selassie to James Gichuru road.	There will be 10 entry points and exits from Mlolongo to JKIA. At Westland there is an entry point from ring road.
	Petronila-Westland's Resident Association	Enquired on the accessibility of the final detailed design	There is a disclosure framework for all projects whereby all project details are made public.
	Syrus kinywa-Property	Enquired on how storm water	The final design will accommodate for a better

	<p>Holder</p> <p>William oyugi- Boda Boda Operator</p>	<p>would be managed</p> <p>Enquired on whether boda boda riders would have access to the expressway and if so, if there would be any charges</p>	<p>drainage system for storm water.</p> <p>Once the detailed design is concluded, this matter would be looked into.</p>
Employment	<p>Petronila- Westland's Resident Association</p>	<p>Enquired on how many jobs will be available for the youths in Westland.</p>	<p>3000 people will be employed during the construction phase of the project and 500 people during the operation period of the expressway.</p>
Air Quality/Noise Levels	<p>Shrih Shah- Mara road Association</p>	<p>Enquired on what sound barriers will be put in place to limit the noise in that area.</p>	<p>Sound metres have been put in place to measure the noise levels before and during the construction phase and recommendations will be given on the same.</p>
Diplomatic Community	<p>Juliana Kisimbi- Consultant</p>	<p>Enquired on whether the movement of diplomats and expatriates during the construction period will be affected.</p>	<p>There will be no distractions caused during the construction of the expressway in wetlands since the road will be constructed in the median and will be elevated in wetlands causing no confusion to children as well.</p>

<p>Relocation of Utilities</p>	<p>Cyrus Kinyua- CRB property</p>	<p>Enquired on why the sewerage system being interfered with has not been mentioned.</p>	<p>Sewerage lines will be relocated before the project starts. This is being done so as to ensure that there are no interruptions. There is a tender already in circulation for the relocation of these utilities.</p>
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<p>Corporate Social Responsibility</p>	<p>Petronila-Westland's resident Association</p>	<p>Enquired on which CSR the contractor hoped to do.</p>	<p>The contractor will be advised on the importance of carrying out CSR exercises but it will be fully at his discretion.</p>
<p>General</p>	<p>Shrih Shah-Resident  Petronilla-Westland's resident Association</p>	<p>Enquired on how land grabbing issues along Mombasa road will be dealt away with</p> <p>Requested for access to the ESIA report that was done in 2013</p> <p>Enquired on a previous letter that she had sent to Kenha over the issue of the roundabout which had since not been responded to</p> <p>Reiterated that those who don't have cars need the expressway as</p>	<p>This will be dealt with adequately.</p> <p>The document is a public document that can be found on the NEMA website.</p> <p>Follow up will be done on the above issue.</p>

	<p>Prof. Karanja Njoroge-Resident</p> <p>Sunjira Shah-Mara Road Residents Association</p> <p>Ephantus - Mwangi-Breakdown Services</p>	<p>much as those without cars</p> <p>Pointed out that there were three projects ongoing at James Gichuru</p> <p>Enquired on whether there would be a lane for breakdown services</p>	<p>There will be a bus rapid system available for mass transport of people who don't own cars from place to place.</p> <p>The construction of the expressway will not disrupt existing projects</p> <p>The contractor is mandated to also take care of breakdowns on the expressway. He will sign a contract with a breakdown company to offer their services.</p>
<p>Diplomatic Community</p>	<p>Juliana Kisimbi-Consultant</p>	<p>Enquired on whether the movement of diplomats and expatriates during the construction period will be affected.</p>	<p>There will be no distractions caused during the construction of the expressway in wetlands since the road will be constructed in the median and will be elevated in wetlands causing no confusion to children as well.</p>

Relocation of Utilities	Cyrus Kinyua-CRB property	Enquired on why the sewerage system being interfered with has not been mentioned.	Sewerage lines will be relocated before the project starts. This is being done so as to ensure that there are no interruptions. There is a tender already in circulation for the relocation of these utilities.
Corporate Social Responsibility	Petronila-Westland's resident Association	Enquired on which CSR the contractor hoped to do.	The contractor will be advised on the importance of carrying out CSR exercises but it will be fully at his discretion.

**Closing and Adjournment**

The ESIA Consultant thanked the participants for creating time to attend the meeting. The Consultant said that the adjournment of the meeting did not signal the end of engagement. The participants were invited to share further comments and views via the address provided in the project background information document.

The ACC made his closing remarks by thanking the public for availing themselves for the meeting despite their busy schedules and for the contributions they had made on behalf of Westland's community.

The meeting ended with a word of prayer from one of the residents:

**Confirmation of Minutes**

Minutes prepared by: Centric Africa Date.....

Minutes confirmed by: ..... Date .....

Position .....

**ANNEX I PHOTOS OF THE PUBLIC BARAZA MEETING**



Photo 1: Public Baraza Meeting at Sarit Centre, Westlands



Photo 2: One of the stakeholder expressing his views



Photo 3: KeNHA representative addressing the baraza



Photo 4: Centric Africa representative addressing the baraza

## ANNEX II PUBLIC BARAZA ATENDANCE LIST

P.P.Z files

27/11/2018

**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
1 Peter Dmotto	NGAO	Sr A / Chief	Dmotto.peter@gmail.com	
2 Maasur Kasmani	Sarit Centre	Ops. Manager	M. Kasmani@saricentre.com	
3 Charles N. Nguu	NGAO	Chief	0721151100	
4 BENJAMIN N MAINA	NSAO	Asst Chief	0722451987 sindamboki@1104chmasica.co.ke	
5 SALOME NDAMUKI	SANLAM INSURANCE	SANLAM TOWER	0729-479541	
6 TOPISTA NDIKASA	WOMENNET LAW CENTER	member	07401533824	
7 IBRAHIM SHISIA	Youth Group LEADER	YOUTH LEADER	0723362199	
8 Richard Maina	Sarit Centre	Member	0718429088	
9 Paul Mugo N.	Jua Kali	Leader	0717174845	
10 Jempaul Wandera	Westlands Youth Rehabilitation	member/leader	0721480689	

PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES

3 premises  
7-mile

P.P-C Kileleshwa  
27/11/19

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
1 JOSEPH	WASTRAMP	CARWASH	07414568	
2 Ideah Phelina	Centric Africa	Project	ideah@gmail.com	
3 Violet Kogi	Green by choice Ltd	Environmentalist	violet.kogi@gmail.com 0710530972	
4 Samuel M Njogu	westland	Car wash	0721208836	
5 Emma Wanjiru	WESTLAND	Car wash	0724574347	
6 DANIEL CHUMO	CENTRIC AFRICA LTD	ENVIRONMENTALIST	0718068517	
7 KRINDA SHARMA	MARA	Hon Secretary (Asst)	0722515646	
8 MICHAEL KABARI	CENTRIC	ES CONSULTANT	0733399685 kabarim@centricafrika.com	
9 Joseph Kimani	Westland	mechanic	0721679676	
10 BENSON KIMANI KANIARU	WESTLANDS	TAXI / CARWASH	0723752547 b.kaniaru@gmail.com	

SARIT - WESTLANDS

27/11/19

10-miles

PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES

	NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
1	PAUL KAHORO	BROTHERHOOD SUPPORTERS	WESTLANDS ROUNDABOUT	0759566202 0720 005 209	
2	DAVIDSON MUKAMUNDA	MECHANIC B'DOWN	WESTLAND ROUNDABOUT WESTLAND	0702 756767	
3	JOSEPH MUIDUPI	SERVICES	ROUNDABOUT	0714 767270	
4	NICHOLAS KIJUNJU	MECHANIC	ROUND ABOUT	0727102138	
5	BENARD AKAYE	BODA BODA RIDER	ROUND ABOUT 9 WEST	0729632722	
6	JOHN KIRIIE	BODA RIDER	Westlands	0721660530	
7	MART AKOTH	NACEC MEMBER	MEMBER WESTLANDS	0720928100	
8	ALLAN OGWENO	CENTRIC AFRICA SPECIALIST SAFEGUARDS	SOCIAL SAFEGUARDS SPECIALIST	0729924823	
9	MUSUMBA ELWIN	Essex Brands	Westlands	0736408180	
10	Dr. Juliana KISIMOI	Global Trade Consultant	Westlands	0724-680750 0722-411679	

P.P.C Masfaha  
10 - roads

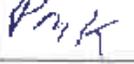
**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
1. ZINEKHA ALI	PRESIDENCY	ASSISTANT COUNTY COMMISSIONER KILIMANJ	0722664447	
2. John Wmani	Westlands	Breakdown	0724 107079	
3. DUNCAN MURZURI	Westlands	Breakdown	0724 121152	
4. GADFREY KIMANI	Westlands	Breakdown	0727051255	
5. George IEBI	Westlands	Breakdown	0705848895	
6. DARINE AKOTH	Westlands	Breakdown	0723541154	
7. DANIEL KINYAJU	Westlands	mech	0724 811623	
8. SIMON KUNGU	WESTLANDS	MECHANIC	0724035505	Simon Kungu
9. PETER MBUGUA	Westlands	mechanic	0724147461	
10. William Oyugi	Westlands Boda	Boda	0722764894	

P.P.C. Westlands  
 10/10/17

27/11/17

**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
1. SAMUEL MAINA M	ALL AFRICA CONF. OF CHURCHES	PROPERTY MANAGER	0723287142 property@aac-ceta.org	
2. PAUL KAGIRI LOAWEKI		MECHANIC	0722866761	
3. BIDAN NGATIA		CARWASH	0735031719	
4. BONIFACE WAIKARU		CAR WASH	0720934522	
5. PETER MBUKU		Breakdown	0722169301	
6. Ephraim Mutungi Njiriguro	Kim Breakdown Mungu Road Residents Assoc.	breakdown operator	0713455798 072216	
7. Deepu Mahajan.	"	"	0722350803	
8. Saj + Mohan	"	"	"	
9. Paul MURERE K.	WESTLANDS	Breakdown	0700 11318937	
10. FRENCH MAMMI	WESTLANDS	Breakdown	0728613690	

PPC Westlands  
4 forums - Councils

CENTRIC  
2/11/19

PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES

	NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
1.	Andrey Lumbimvu	Polresco Ltd.	Development Manager	0705332168	
2.	MOHAMMAD RASHID	NJARA	SECURITY	0735511838	
3.	PETRONILA NAFULA	WESTLANDS ASSOCIATION	C. E. O	0723437278 Westlandsassociation@yahoo.com	
4.	ANGELINE ARIENO	VIKING HOUSE	OFFICE ASSISTANT	info@viking-house.org 205101028	
5.	NICHOLAS NIAU	SAFARICOM	Transport manager	Njau.N@safaricom.co.ke	
6.	DANIEL KILAKA	MCA-PA	PA	0710447639	
7.	BENSON MATSORI	PRESIDENCY AEC HIGHRIIDGE	ASSISTANT COUNTY COMMISSIONER	0727248044 benmatsori@gmail.com	
8.	BIKI KAUNYANA	AAPH PLC (THE MALL)	M.D.	0738525682 biki@aaph.co.ke	
9.	CATHERINE TENDET	PRESIDENCY AEC/CHIEF KILIMANI	AS/CHIEF	0728922437	
10.	ISAAC MUNTENDU	A/CHIEF MUTHANGA 2	A/CHIEF	isacinduswe@gmail.com 0725601651	



27/11/29

**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

5 female  
1 female

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
1. Cyrus Kinyua	Westlands Triangle Properties Ltd	Property Manager	Cyrus.kinyua@cbre excellence.com	
2. JAMES GILBERTSON	PALAZZO LTD	SECURITY / PROPERTY MANAGER	JAMES.GILBERTSON@ DMI.WORK	
3. ALI ASMAN YUSUF	Department of Inletion	Asst. CHIEF	aalymtamdiya@gmail .com	
4. SHENH. L. SHAN	WESTLANDS AD	DIRECTOR	shinr2@glennpa -housing.com	
5. Eng Julia Ondego	KENHA	Asst Director	j.ondego@kenha.co.ke	
6. Eng. Stanley Mwakasi	KENHA	Head / PPD Dept.	Stanley.Mwakasi @Kenha.Co.Ke	
7. Patricia Igula	KENHA	Sociologist	P.igula@Kenha.co.ke	
8. Eunice Opondo	Centric	Environmentalist	e.opondo@centricafrika.com	
9. Jane Kimani	Centric	Sociologist	stanow.kimani95@gmail.com	
10. Mary Zanti	Centric		0720 985959	

1-family  
5-nobs

**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

	NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
1	EPHRAIMUS MACHARIA	WESTLANDS	TAXI / carabaji	0725 416 398.	
2	JACKSON MAINA	WESTLANDS	TAXI	jacksonmaina63@yahoo.com 0715373611	
3	COUSOLATA W. KIMATHUIS	WESTLANDS NG-EDF	MEMBER	concostrutek@gmail.com 0723552032	
4	PROF. KARANI NG'ARU	WESTLANDS	Resident	njoroge@ng'aru.com 0729030381	
5	Charles N. Ngugi	NGA		ng'ogengugi2017@gmail.com	
6	Joseph Achi Mwachigi	Centre Africa		0700924025	
7	Joyce Okino	Centre Africa	Social Supervisors	joyce@centrafrica.com 09149064904	

P.P.C. Kileleshwa  
 27/11/19, 1 female, 3 males

**PUBLIC CONSULTATION FORMS SIGN SHEET FOR THE PROPOSED NAIROBI EXPRESSWAY PROJECT ESIA STUDIES**

27/11/19

NAME	ORGANIZATION	DESIGNATION	TELEPHONE NUMBER/ EMAIL	SIGNATURE
1. <del>PHILIP MURUGO</del>	Uthiru	CAR WASH	0726522855	<del>[Signature]</del>
2. Patrick Masika	WAKIWA	Cleaning & sweeping westlands CBD.	0711174740	[Signature]
3. Vanstella Beshau	BBK - SNT	Banking	0722991330	[Signature]
4. Robert Ngaiya Waiithaka	Westlands roundabout	Breakdown service	0723101105	[Signature]
5. Janet Mello	Westlands Association	Administrative Assistant	0722267848 janetmello@gmail.com	[Signature]
6. Julius KGWU	NGCDF Westlands	Member	0725307591	[Signature]
7. Obed Anjelle	CONSTITUENTLY OFFICE	Manager.	0721419750 obedachua@yahoo.com	[Signature]
8. David Jerial Shivachi	Hawkers association	Stage	0711398603 Davidjerial@gmail.com	[Signature]
9. Yvonne Wambui	Centric office	Environmentalist	0719370444	[Signature]

## 15.5 ANNEX 5: NEMA CORRESPONDENCE LETTERS ON THE PROJECT

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# Kenya National Highways Authority

Quality Highways, Better Connections

Barabara Plaza, Jomo Kenyatta International Airport (JKIA), Nairobi, Off Mazao Road (Opposite KCAA Headquarters),  
P.O Box 49712 - 00100 Nairobi, Tel 020 - 4954000 / 0700 423 606 Email dg@kenha.co.ke / Website www.kenha.co.ke

## Office of the Director General

URGENT

Our Ref: KeNHA/04.E/24/030

09<sup>th</sup> September 2019

Director General,  
National Environment Management Authority,  
P.O Box 67839-00200,  
**NAIROBI**

Dear **Sir,**

### RE: PROPOSED NAIROBI EXPRESSWAY PROJECT

Reference is made to your letter Ref. No. NEMA/PR/5/2/20234 dated 31<sup>st</sup> July 2019 and EIA/5/2/905 dated 21<sup>st</sup> August 2019 on the above subject.

The Authority has prepared a project brief that gives a synopsis of the proposed project including the design scope and status of the environmental and social safeguards (attached). Based on the foregoing, the proposed project scope has not deviated from the earlier planned project designs of 2012 and 2015. As much of possible the project design has strived to concentrate on the existing Right of Way (RoW)/ center line of the A4 road to minimize incidences of environmental, economic and social disruptions. Further, during project implementation the proposed project will fully adhere to the conditions of the ESIA licenses granted.

As an Authority, we are committed to continually improve our environmental stewardship

Yours

*faithfully*

*David Muchilwa*

Eng. David Muchilwa  
**For. DIRECTOR GENERAL**  
Encl.



nema

mazingira yetu / uhai wetu / mapio wetu

# NATIONAL ENVIRONMENT MANAGEMENT AUTHORITY

Mobile Line: 0724-253398, 0723-363010, 0735-013046  
Telkom Wireless: 020-2101370, 020-2183718  
Incident Line: 0786 101100

P.O. Box 67839, 00200  
Papo Road, Nairobi, Kenya  
E-mail: [dgnema@nema.go.ke](mailto:dgnema@nema.go.ke)  
website: [www.nema.go.ke](http://www.nema.go.ke)

**NEMA/5/2/EIA/905**



25<sup>th</sup> September, 2019

**The Director General**  
Kenya National Highways Authority  
P.O. Box 49712 - 00100  
**NAIROBI**

## **PROPOSED NAIROBI EXPRESSWAY PROJECT**

Reference is made to the project brief that you submitted to us on the above mentioned project Ref: KeNHA/04.E/24/030 dated 9<sup>th</sup> September, 2019.

The Authority has reviewed the ESIA brief and made the following observations:

1. There is a major change/ deviation from the previously approved project in design including ten (10) major road intersections and extension of an elevated roadway from Mlolongo to James Gichuru road.
2. The section of the road, Mlolongo JKIA was not included in the previous EIA reports licensed by the Authority.
3. The project is also a Public Private Partnership (PPP) with plans for user charge fees. This will present significant social risks.
4. Pursuant to Regulation, 25 of the Environmental (Impact Assessment and Audit) Regulation, 2003, the Authority has confirmed that the proposed changes **DOES NOT** comply with the requirements of the original license.
5. The road project as proposed does not meet the criteria of low risk and hence cannot be processed as a Summary Project Report (SPR) as per Regulation 7 of the Environmental (Impact Assessment and Audit) (Amendment) Regulations, 2019.

In view of the above, the Authority advises that the project should be subjected to Environmental and Social Impact Assessment Study. Kindly liaise with your EIA expert for further guidance on the same.

However, as earlier indicated in our letter Ref: NEMA/EIA/5/2/905 dated 21<sup>st</sup> August, 2019, the presidential launch can proceed noting that some of the components of the project are not affected by the re-designed Nairobi expressway component.



**MAMO B. MAMO**  
**Ag. DIRECTOR GENERAL**

Copy to: **Presidential Delivery Unit (PDU)**

**Principal Secretary,**  
State Department of environment  
Ministry of Environment and Forestry



# NATIONAL ENVIRONMENT MANAGEMENT AUTHORITY

Tel: (254)-(0)20-6005322 / 51617, 6001645, 6008261  
Mobile No: 0724 212 298, 0722 363 010, 0735 013 046, 0735 010 237  
Toll-free: 020-1101370  
Fax: (254)-(0)20-4488977  
Hotline: 020-6006041, 0796 101 100, 0704 846 019

P.O. Box 67839 - 00200  
P.O. Road-off Mombasa Road,  
Nairobi, Kenya  
E-mail: [dg@nema.go.ke](mailto:dg@nema.go.ke)  
website: [www.nema.go.ke](http://www.nema.go.ke)

NEMA/EIA/5/2/905  
Director General  
Kenya National Highway Authority  
P.O. BOX 49712 - 00100  
NAIROBI

D (HPD)  
To DG  
31.10.2019



11<sup>th</sup> October, 2019



RE: NAIROBI EXPRESSWAY PROJECT (JKIA-LIKONI-JAMES GICHURU-BIRONI)

Further to our letter NEMA/EIA/5/2/905 dated 2<sup>nd</sup> October, 2019,

The Authority wishes to inform you that you may proceed with the construction of additional lane on JKIA-Likoni James Gichuru-Bironi Road (A104) dualing of Airport South Road, Access to JKIA widening, construction of Access Road to proposed Barbara plaza and improvement of Access inland container Depot as licensed under License no. 0016896 dated 26<sup>th</sup> June, 2013. (copy attached)

The Environmental Impact Assessment license is valid as per the certificate of variations. (copies attached).

As advised earlier, construction of Mlolongo-JKIA section which was not captured in the EIA License No. 0016896 shall not commence until the ESIA Study for the re-designed express-way is undertaken, processed and Record of Decision by NEMA is issued.

*[Handwritten signature]*  
OUMA O.Z.  
FOR: DIRECTOR GENERAL

① DD (ETSS)  
Please note/Pntx  
10/31/2019

② AD-ES  
FYNA  
WBN  
11/11/19



## 15.6 ANNEX 6: APPROVED NEMA TOR OF THE PROJECT

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# NEMA/ EIA/TOR | 06



Kenya National Highways Authority

Quality Highways, Better Connections

Project Proponent  
and Sponsor



中国路桥工程有限责任公司  
CHINA ROAD AND BRIDGE CORPORATION



PROJECT MODEL: BUILD OPERATE TRANSFER  
(BOT)

## TERMS OF REFERENCE FOR THE ESIA OF THE PROPOSED NAIROBI EXPRESSWAY PROJECT

Date: October, 2019

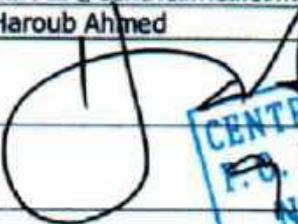


Report Prepared by;



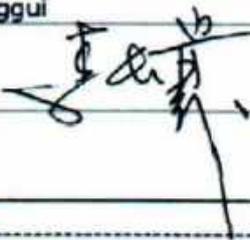
**Assignment: Terms Of Reference For The Environmental And Social Impact Assessment Of The Proposed Nairobi Expressway Project**

**Firm of Experts:**

Name:	Centric Africa Limited
Address:	Ojjo Plaza, Ojjo Road, suite SWB1, P.O. Box 102081-00101 Nairobi, Kenya
Phone, email:	haroub@centricafrica.com
Contact person for the action:	Haroub Ahmed
Signature:	
Date:	9/10/19

**CENTRIC AFRICA LIMITED**  
P.O. BOX 102081 - 00101  
NAIROBI, KENYA

**Sponsor and Proponent:**

Name:	China Road and Bridge Corporation (Kenya)
Address:	P.O. Box 39037-00623, Plot 330/265, Hatheru Road, Lavington, Nairobi, Kenya
Email:	gaoy1@crbc.com
Contact person for the action:	Li Changgui
Signature:	
Date:	9/10/2019

**Disclaimer:**

*This Environmental Impact Assessment Terms of Ref is strictly confidential to China Road and Bridge Corporation (Kenya)- CRBC (the Proponent) and any use of the materials thereof should strictly be in accordance with the agreement between the Proponent and Centric Africa Ltd (Firm of experts). It is, however, subject to conditions in the Environmental (Impact Assessment and Audit) Regulations, 2003 under the Kenya Gazette Supplement No. 56 of 13th June 2003*

## 15.7 ANNEX 7: STAKEHOLDER ENGAGEMENT INVITATION LETTERS AND BID

---

# NATIONAL ENVIRONMENT MANAGEMENT AUTHORITY

Mobile Line: 0724-253398, 0723-363010, 0735-013046  
 Toll-free Wireless: 020-2101370, 020-2183718  
 Landline Line: 0796-101100

P.O. Box 67839, 00200  
 Popo Road, Nairobi, Kenya  
 E-mail: [dg@nema.go.ke](mailto:dg@nema.go.ke)  
 website: [www.nema.go.ke](http://www.nema.go.ke)

NEMA/EIA/S/2/905

2<sup>nd</sup> October 2019

Director General  
 Kenya National Highways Authority  
 P.O. Box 49712-00100  
**NAIROBI**

## **NAIROBI EXPRESSWAY PROJECT**

Refer to the meeting held at NEMA with KeNHA and China Roads and Bridges Corporation (CRBC) as a follow up to the earlier meeting at the Ministry Public Works on 1<sup>st</sup> October 2019 in regard to above project.

The Authority wishes to underscore the National importance of this project and the urgency it requires to be implemented. The Authority is willing and ready to fast track the regulatory process within the law, but the proponent (KeNHA and CRBC) must do their part by submitting the environmental impact assessment report. While the timelines for processing the full study report is usually 90 days the Authority is committed to process it within 45 days without compromising the mandatory timelines as per the schedule below.

Activity	Timeline	Responsibility
Submission of TOR	Dependent on proponent	KeNHA & CRBC
Approval of TOR	1 day	NEMA
Submission of study report	Dependent on proponent	KeNHA & CRBC
Acknowledgement and preparation of newspaper Advert	1 day	NEMA
Dispatch of the reports to lead agencies	1 day	
Placement of advert in the daily newspaper and government printer	Dependent on proponent	KeNHA & CRBC
Public Comments	30 days (mandatory)	Public
Review and decision making	2 days	NEMA



**Kenya National Highways Authority**

Quality Highways, Better Connections

Barabara Plaza, Jomo Kenyatta International Airport (JKIA), Nairobi, Off Mazao Road (Opposite KCAA Headquarters),  
P.O Box 49712 - 00100 Nairobi, Tel 020 - 4954000 / 0700 423 606 Email dg@kenha.co.ke / Website www.kenha.co.ke

**Office of the Director General**

URGENT

Our Ref: KeNHA/04.E/24/030

09<sup>th</sup> September 2019

Director General,  
National Environment Management Authority,  
P.O Box 67839-00200,  
**NAIROBI**

Dear **Sir,**

**RE: PROPOSED NAIROBI EXPRESSWAY PROJECT**

Reference is made to your letter Ref. No. NEMA/PR/5/2/20234 dated 31<sup>st</sup> July 2019 and EIA/5/2/905 dated 21<sup>st</sup> August 2019 on the above subject.

The Authority has prepared a project brief that gives a synopsis of the proposed project including the design scope and status of the environmental and social safeguards (attached). Based on the foregoing, the proposed project scope has not deviated from the earlier planned project designs of 2012 and 2015. As much as possible the project design has strived to concentrate on the existing Right of Way (RoW) center line of the A4 road to minimize incidences of environmental, economic and social disruptions. Further, during project implementation the proposed project will fully adhere to the conditions of the ESIA licenses granted.

As an Authority, we are committed to continually improve our environmental stewardship

Yours *faithfully*

Eng. David Muchilwa  
**For. DIRECTOR GENERAL**  
Encl.

Vision: A leading Authority in the provision of National Trunk Roads

Mission: To develop and manage Quality and Adequate National Trunk Roads through Innovation and Optimal utilization of resources for Sustainable Development.

ISO 9001 : 2015 Certified

In this regard, your prompt submission of the TOR, study report and placement of the advert in the newspaper will ensure the entire process takes a short period. Any delays can only be occasioned by KeNHA and CRBC not submitting the required documentation in time.



**MAMO B. MAMO**  
**AG. DIRECTOR GENERAL**

NEMA

Cc: China Roads and Bridges Corporation



# NATIONAL ENVIRONMENT MANAGEMENT AUTHORITY

Mobile Line: 0724-253398, 0723-363010, 0735-013046  
Telkom Wireless: 020-2101370, 020-2183718  
Incident Line: 0786 101100

P.O. Box: 67839, 00200  
Popo Road, Nairobi, Kenya  
E-mail: [dgnema@nema.go.ke](mailto:dgnema@nema.go.ke)  
website: [www.nema.go.ke](http://www.nema.go.ke)



25<sup>th</sup> September, 2019

**NEMA/5/2/EIA/905**

**The Director General**  
Kenya National Highways Authority  
P.O. Box 49712 - 00100  
**NAIROBI**

## **PROPOSED NAIROBI EXPRESSWAY PROJECT**

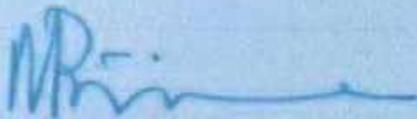
Reference is made to the project brief that you submitted to us on the above mentioned project Ref: KeNHA/04.E/24/030 dated 9<sup>th</sup> September, 2019.

The Authority has reviewed the ESIA brief and made the following observations:

1. There is a major change/ deviation from the previously approved project in design including ten (10) major road intersections and extension of an elevated roadway from Mlolongo to James Gichuru road.
2. The section of the road, Mlolongo JKIA was not included in the previous EIA reports licensed by the Authority.
3. The project is also a Public Private Partnership (PPP) with plans for user charge fees. This will present significant social risks.
4. Pursuant to Regulation, 25 of the Environmental (Impact Assessment and Audit) Regulation, 2003, the Authority has confirmed that the proposed changes **DOES NOT** comply with the requirements of the original license.
5. The road project as proposed does not meet the criteria of low risk and hence cannot be processed as a Summary Project Report (SPR) as per Regulation 7 of the Environmental (Impact Assessment and Audit) (Amendment) Regulations, 2019.

In view of the above, the Authority advises that the project should be subjected to Environmental and Social Impact Assessment Study. Kindly liaise with your EIA expert for further guidance on the same.

However, as earlier indicated in our letter Ref: NEMA/EIA/5/2/905 dated 21<sup>st</sup> August, 2019, the presidential launch can proceed noting that some of the components of the project are not affected by the re-designed Nairobi expressway component.



**MAMO B. MAMO**

**Ag. DIRECTOR GENERAL**

Copy to: **Presidential Delivery Unit (PDU)**

**Principal Secretary,  
State Department of environment  
Ministry of Environment and Forestry**

# Nairobi Expressway Project

## Project Overview:

The Government of Kenya (GoK), through the Kenya National Highways Authority (“KeNHA”), in its ambition to mobilize private sector capital and expertise in the infrastructure space has partnered with China Roads and Bridges Corporation to implement the first build operate transfer (BOT) Nairobi expressway project which will be the first BOT model project in Kenya. The Projects significance and objectives include:

- The model used is built operate transfer (BOT) where investor takes the revenue risk,
- The concession period is 30 years,
- The project will alleviate traffic congestion significantly by shortening commuter time to 20mins,
- The project will significantly reduce the commuting time between James Gichuru, Nairobi downtown, JKIA and Athi River, reducing accrued economic losses due to traffic congestion, lost time, delayed flights and emissions.

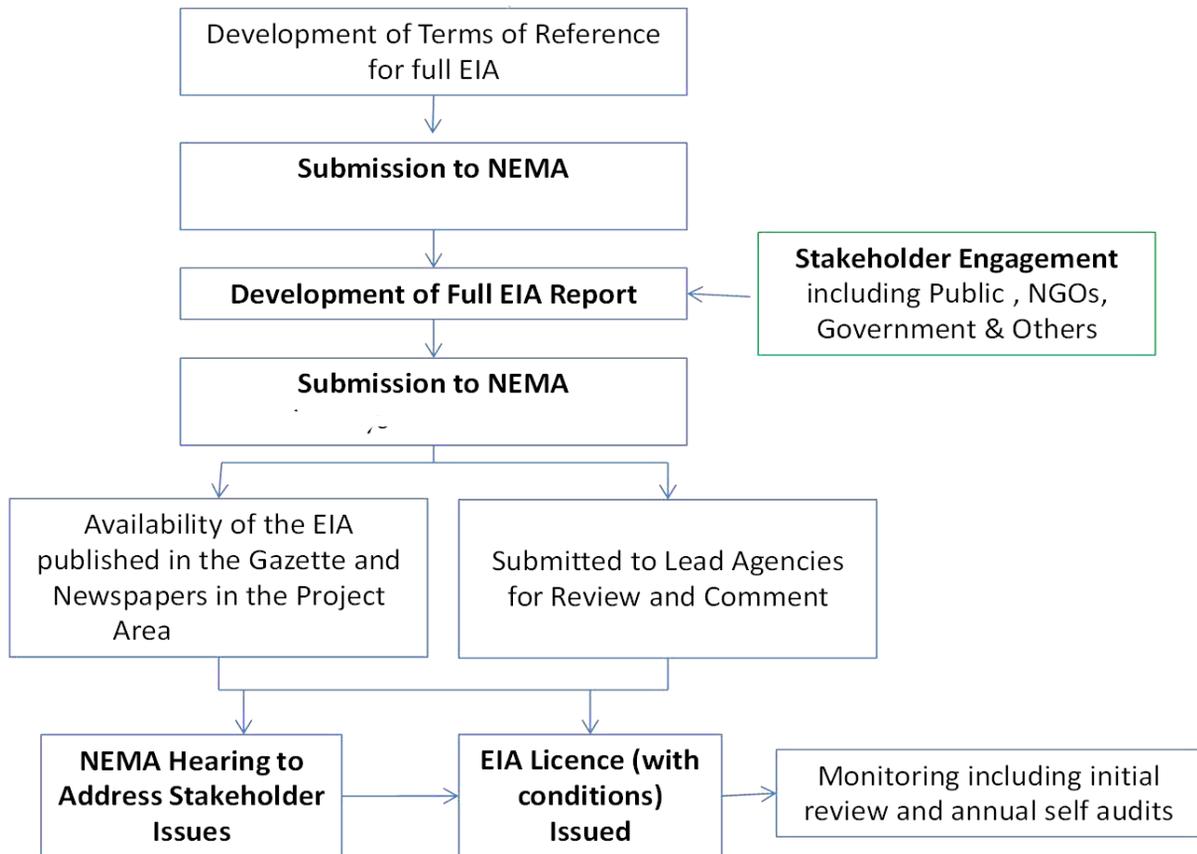
## Project Description:

- Length: 26.7 km
- Roadbed Section: 15.6 km, Mlolongo to Southern Bypass;
- Elevated Section: 11.1 km, Southern Bypass to James Gichuru Rd;
- No. of Lanes: 4 lane dual carriageway +2.5m\*2 emergency lane; 6 lane dual carriageway from Eastern Bypass to Southern Bypass Section;
- Design Standard: Class A;
- Design Speed: 80 km/h



# ESIA and Stakeholder Engagement

The full ESIA process is illustrated below. The project is currently at the full ESIA development stage which includes gathering information on a variety of topic areas and carry out meetings with the government, community and other key stakeholders in order to gather feedback and identify impacts that may result from the highway project.



Stakeholder engagement is a key aspect of the ESIA process. It provides an opportunity for various groups, including the government and potentially affected communities to express their views and concerns, as well as participate in the design of the project to minimise negative impacts as much as possible and enhance positive impacts.



# ESIA Studies

The ESIA process includes undertaking a series of studies in order to understand the existing environmental and social context, in order to understand the impacts and what the project can do to minimise negative impacts and enhance positive impacts.

- Traffic and transportation to assess impacts on the current road network and potential road safety issues.
- Environmental compensation –loss of green space.
- Noise to assess impacts related to construction and traffic resulting from the project.
- Air to assess changes to air quality resulting from construction and traffic
- Climate change to assess the effects of climate change on the road itself.
- Hydrology to assess impacts to surface water bodies.
- Socio-economic to assess the impact on communities living and working close to the alignment. Social studies include demographics, livelihoods, public services and infrastructure, community dynamics and cultural heritage.
- A Resettlement planning will also be undertaken to manage related project impacts.



中国路桥工程有限责任公司  
CHINA ROAD AND BRIDGE CORPORATION

# Previous ESIA Studies

## Previous Studies on the Corridor:

- In 2013 KeNHA undertook Nutrip project ESIA for construction of additional lanes on JKIA-Likoni - James Gichuru-Rironi road (A4) (approximately 42 km), dualling of Airport South Road (approximately 3km), creating of an access to JKIA widening (approximately 2km), construction of a bitumen road to the proposed Barabara Plaza (approximately 2km) and construction an access road to container depot (approximately 2km) . NEMA license (0016896) was issued on 26th June 2013. The license was initially varied on 18th April 2017 (NEMA/EIA/VC/567) and again varied on 12th October 2018 (NEMA/EIA/VC/977).
- Another study that dealt with Consultancy Services of Feasibility, Preliminary and Detailed Engineering Design, Environmental and Social Impact Assessment Study for the capacity enhancement of part of the A104 road from JKIA Turnoff to Likoni road junction was undertaken by KeNHA in 2015. As part of the assignment the study included upgrading of the Airport South, Access to JKIA (B10), Barabara Plaza, Container Deport and East Gate roads. This study was submitted to NEMA and License issued (NEMA/EIA/PSL/4435) issued on 23rd March 2017. The license was later returned to NEMA for amendments due to a typological error on the objective section



中国路桥工程有限责任公司  
CHINA ROAD AND BRIDGE CORPORATION

# We want to hear from you!

## How can you get involved?

- By mailing or e-mailing the attached comments form to Centric Africa Limited (see contact details below);
  - By attending the public meetings “baraza” (and any focus group meeting you deem relevant to attend) to be held during the course of the project. Should you register as a stakeholder you will be invited to attend these meetings. The meeting dates will also be advertised on posters and through social media and media stations
  - Focus Group Discussions and Key Informant Interviews with residents Associations and the Project Affected Persons (PAPs) along the road corridor
  - Meetings with various groups and organizations working within the Project influence Area such as non- governmental organizations (NGOs) Civil Societies and Community based organizations.
- Engagement with professional society for Architects, Quantity Surveyors, Town Planners, Engineers, Landscape Architects, Environmental Design Consultants and Construction Project Managers
- By telephonically contacting Centric Africa Limited if you have a query, comment or require further project information.

## Your views are very important to us!

To ensure all comments and queries regarding this project are accurately documented and addressed please forward your comments and contact details with the attached response sheet to:

**Contact:**

**Joy Omondi**

**Tel:**

020 5201797

**Email:**

[jowino@centricafrica.com](mailto:jowino@centricafrica.com)



中国路桥工程有限责任公司  
CHINA ROAD AND BRIDGE CORPORATION

# Public Consultation Involvement Form

Will the proposed project affect your current operation? Yes/No If yes, in what way?	
What are your concerns regarding the proposed project	
Do you have future interests that would conflict with the proposed project goals? How	
What benefits are you likely to get from the proposed project?	
Do you have any other comments either positive or negative about the proposed development?	
Name	
Organization Represented	
Designation	
Telephone Number	
ID Number	
Signature	
Date	
Official Stamp	



中国路桥工程有限责任公司  
CHINA ROAD AND BRIDGE CORPORATION



**Office of the Director General**

KeNHA/05.C/NE/Vol.2/2019/9505

29<sup>th</sup> November 2019

Name: .....

Designation: .....

Address: .....

Mobile No: .....

Dear Sir/Madam

**THE NAIROBI EXPRESSWAY PROJECT – MLOLONGO – JKIA – JAMES GICHURU**

**INVITATION TO ATTEND HALF-DAY STAKEHOLDER CONSULTATIVE MEETINGS FOR THE ENVIRONMENTAL AND SOCIAL IMPACT ASSESSMENT AND RESETTLEMENT ACTION PLAN OF THE PROPOSED NAIROBI EXPRESSWAY PROJECT.**

The Government of Kenya (GoK), through the Kenya National Highways Authority, in its drive to mobilize private sector capital and participation in the infrastructure space, has partnered with M/s China Road and Bridge Corporation to implement the first Build, Operate, Transfer (BOT) under the Nairobi Expressway Project which will be the first of its kind in Kenya for a road infrastructure project. Major highlights and key project objectives to note:

- The Project is being implemented through the Public-Private Partnership (PPP) funding model using the Build, Operate, Transfer (BOT) arrangement where the investor will take the revenue and traffic demand risk;
- The Concession period is 30 years;
- The Project when operational is expected to alleviate traffic congestion significantly;
- The Project will significantly reduce the commute time between James Gichuru, Nairobi downtown, JKIA and Athi River, reducing accrued economic losses attributable to traffic congestion, lost time, delayed flights and emissions.
- Tolling will be implemented once the road is put into service

Kenya National Highways Authority (KenHA) is mandated to manage, develop, rehabilitate and maintain the international trunk roads linking centres of international importance, crossing

international boundaries and terminating at international ports (Class A), national trunk roads linking nationally important centres (Class B) and the primary roads which link the provincially important centres to each other or to other higher class roads (Class C roads) in Kenya.

China Road and Bridge Corporation Kenya (CRBC) undertakes contracting, investment, development and operation of road, bridge, port, railway, airport, tunnel, real estate and industrial park projects.

CRBC have appointed Centric Africa Limited (Centric), a firm of experts registered with the National Environment Management Authority (NEMA) (registration number 7112) to undertake an Environmental and Social Impact Assessment (ESIA) and Resettlement Action Plan (RAP) for the Project. As part of the overall ESIA process, Centric is currently carrying out a social baseline data collection process, and we kindly ask you for your support and cooperation in this regard. A background information document to this project with a feedback response questionnaire is enclosed to this letter. We kindly request you to send your response in writing within five (5) days from the date of this letter.

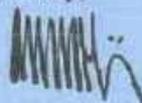
We further invite Representatives from your Organisations/Institutions to attend the half-day Stakeholder Consultative Meetings where KeNHA, CRBC Technical team and Centric Consultants will present the Project.

The dates and venues for the half-day Stakeholder Meetings are as follows:

Date	Venue	Targeted Businesses
Wednesday 11 <sup>th</sup> December 2019 Time: 2pm – 5pm	Kenya Agricultural & Livestock Research Organization (KALRO), right after James Gichuru U turn	CBD/Westlands/Waiyaki Way

Thank you and we look forward to meeting with you.

Yours faithfully,



Eng. Peter M. Mundinia  
**DIRECTOR GENERAL**

Encls.

TANGAZO KUHUSU MKUTANO WA UMMA  
**BARABARA YA MOJA KWA MOJA  
KUTOKA MLOLONGO – ABC  
WESTLANDS.**

Almashauri kuu ya kitaifa ya ujenzi wa barabara, Kenya National Highway Authority' ( KeNHA ) Ina mpango wa kujenga barabara kuu yenye umbali wa karibu kilomita 27 kutoka Mlolongo hadi ABC Westlands . Lengo kuu la ujenzi wa Barbara hii ni kurahisisha mawasiliano pamoja na kupunguza muda wa kusafiri. Ili mradi huu uweze kutekelezwa, ukaguzi wa kina unaendelea kufanywa na Shirika linalohusika na maswala ya kimazingira na kijamii ( ESIA ) ili kubaini athari zinazoweza kutokea wakati na baada ya ujenzi na kuweka mikakati ya kukabiliana nazo. Ukaguzi huo pia unanua kutambua na kuboresha manufaa yatakayopatikana kutoka kwa mradi huu. Jukumu kuu la shirika hili la kimazingira ( ESIA) wakati wa ukaguzi ni kuhakikisha kuwa, wadau wote wamehusihwa katika hatua zote za utekelezwaji wa mradi. Kushirikishwa kwa wadau wote kunatoa nafasi nzuri kwa makundi mbali mbali ya kijamii, serikali, na jamii husika kutoa maoni yao na pia kuchangia jinsi ya kupunguza madhara yoyote ambayo yanaweza kutokea na jinsi ya kusimamia na kuboresha manufaa. Kama njia moja ya kushirikisha wadau wote wakati wa ukaguzi, shirika la ESIA limepanga Mkutano maalum wa kukutana na wananchi ili kuutambulisha mradi huu kwenu na kukusanya maoni na hoja zenu pamoja na kuyajibu maswali yenu kuhusu mradi huu.

Tarehe: 26/11/2019

Saa: 10:00

Sehemu: Mlolongo Bus Park

Maoni yako ni muhimu sana kwetu!

Tafadhali wasiliana nasi iwapo una maoni, hoja, au swali lolote kuhusu mradi huu:

Wasiliana Na:	JOYCE OWINO
Simu:	+254 714 906 460
Barua Pepe:	<a href="mailto:jowino@centricafrica.com">jowino@centricafrica.com</a>

SHUKRANI .



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CHINA ROAD & BRIDGE CORPORATION

# PUBLIC MEETING ANNOUNCEMENT

# NAIROBI EXPRESS PROJECT

# PUBLIC BARAZA NOTICE!

The Government of Kenya (GoK), through the Kenya National Highways Authority ("KeNHA"), in its ambition to mobilize private sector capital and expertise in the infrastructure space has partnered with China Roads and Bridges Corporation to implement the first build operate transfer (BOT) Nairobi expressway project which will be the first BOT model project in Kenya. For this to be done, an Environmental & Social Impact Assessment (ESIA) needs to be conducted. It involves stakeholder engagement and baseline data collection to inform the evaluation of potential social and environmental impacts in the surrounding areas associated with the proposed expressway and development of mitigation measures. To ensure all the stakeholders have been involved and get to air their concerns, suggestions and questions if any, a meeting has been scheduled to facilitate this interaction with the public.

Date: 26/11/2019

Time: 10:00

Venue: Mlolongo Bus Park

## Your opinion matters to us!

Please contact us if you have any questions or concerns regarding the proposed project.

Contact Person:	JOYCE OWINO
Phone No.:	+254 714 906 469
E-mail Address:	<a href="mailto:jowino@centricafrica.com">jowino@centricafrica.com</a>

THANK YOU.



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## 15.8 ANNEX 8: LETTERS FROM FROM MEMBERS OF THE PUBLIC/ RESIDENT ASSOCIATION ETC

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# KATANI COSMOPOLITAN RESIDENTS ASSOCIATION

[KCRA]

P.O. Box 26495--00504, Nairobi  
Email: [katanicosmopolitan@gmail.com](mailto:katanicosmopolitan@gmail.com)  
TEL: 0722711258, 0721657690, 0791998435



OUR REF:KCRA / NEWP / KENHA / 2019-1121.

## MEMORANDUM

21<sup>st</sup> November, 2019

**Att. Patricia Agola**

Sociologist  
Kenya National Highway Authority,  
Ragati road  
P.O. Box 73718,  
Nairobi.

&

The Director,  
Centric Africa Limited,  
P.O. Box 102081, 00101,  
Nairobi.

Dear All,

### **RE: NAIROBI EXPRESS HIGHWAY ROAD CONSTRUCTION - EFFECTS ON KATANI RESIDENTS.**

The above subject matter refers. Katani Cosmopolitan Residents Association [KCRA] is a fully registered residents association. It is mandated to initiate, negotiate and champion the rights of the residents. In this regard we would like to bring to your attention and knowledge that:-

1. Katani is not syokimau and it's a fact that all the quarries are domiciled and operate in Katani.

2. Katani is in Muthwani Ward but not in Syokimau as others wanted you to believe to benefit from the 10% CSR.
3. Syokimau is in Mlolongo ward and the CSR projects should be shared at 5% each between Syokimau and Katani wards.
4. When the project takes off, it's only the Katani people who stand to be affected, through dust, blasting, trucks jam and poor state of the roads.
5. All the storm water from Syokimau is directed to Katani and Katani stands to be flooded if such will be directed.
6. The main road to Syokimau is called Katani road because we were the pioneers in doing the road.
7. No single truck passes through Syokimau unless dumping construction materials.
8. Katani residents fully supports the project.

On behalf of Katani Residents, we request the following:-

1. Katani should benefit minimum of 50% from the anticipated CSR.
2. All routes to be used to and from the quarries should be tarmacked or murramed and maintained.
3. Noise from blasting and any other related activities should be within acceptable levels in order to avoid undesirable effects on the residents.
4. All murram roads should be watered to minimize the dust emanating from them.
5. Katani casual laborers should be engaged to work in the project.
6. Katani Utawala link road via SS Mehta then katani secondary should be opened and tarmacked as a diversion to Nairobi and beyond.
7. Katani needs a police station constructed as part of the CSR and the land is available [two and a quarter acres].

It is our hope that all will be considered and look forward to working closely together.

Thanking you in advance,

Yours faithfully,

Jimmy Nguli

**KCRA CHAIRMAN**



CC. Athi River DCC



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IN THE BUILT ENVIRONMENT

KENHA/Y19/Fo1

18<sup>th</sup> November, 2019

**ENG. PETER M. MUNDINIA,**  
DIRECTOR GENERAL,  
KENYA NATIONAL HIGHWAYS AUTHORITY,  
P.O. BOX 49712 – 00100,  
NAIROBI.

Dear Sir,

**RE: AAK & KENHA ENGAGEMENT MATRIX**

---

Receive warm regards from the Architectural Association of Kenya (AAK).

Established in 1967, AAK is Kenya's leading professional society for Architects, Quantity Surveyors, Town Planners, Engineers, Landscape Architects, Environmental Design Consultants and Construction Project Managers. As an umbrella Association for professionals in the built and natural environment, our Association draws its 2,000 plus strong membership from practitioners in the National Government, County Governments, Private Sector and Academia. The Association also acts as the link between professionals and stakeholders in the building and construction industry including policy makers, manufacturers, real estate developers, financial institutions, among others.

The AAK believes that co-operation via continuous exchange of ideas between the Kenya National Highways Authority and the Association, and their implementation, will lead to improvement in the built environment for sustainable socio-economic development.

It is in the backdrop of this that we make reference to the meeting held in your offices at Barabara Plaza on 28<sup>th</sup> October 2019 where a number of issues touching on the designing and construction of road infrastructure projects in Kenya were discussed.

**HEAD OFFICE**

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Mobile: +254 721 691 337  
Email: aak@aak.or.ke

**[www.aak.or.ke](http://www.aak.or.ke)**





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Further, engagement with our members at the AAK Baraza on 6<sup>th</sup> November 2019 at the Ngong' Hills Hotel raised additional pertinent issues and concerns from various professionals in the Built Environment.

The Association thanks KENHA and the State Department of Infrastructure, for according us the meetings to discuss this project of great public interest. As agreed during the meeting AAK wishes to reaffirm its commitment to be a technical resource center for your organization and will endeavor to continue engaging your office as often as possible beyond need basis.

We have attached a matrix with the outcomes of the deliberations at both meetings. Based on our deliberations, the Architectural Association of Kenya recommends:

- The project continues to undertake stakeholder engagement overall, and strive to integrate stakeholders input where possible.
- The Association requests a further meeting with NAMATA and KURA to discuss concerns on Urban mobility solutions in line with other studies undertaken including NIUPLAN and Nairobi Integrated Urban Development Plan, which place focus on mass transportation systems as priority projects.

Attached herein is the aforementioned engagement matrix for your consideration. We are happy to engage further on the matter.

Yours faithfully,

**MUGURE NJENDU,**  
**PRESIDENT, ARCHITECTURAL ASSOCIATION OF KENYA (AAK)**

**Cc: The Principal Secretary, State Department for Infrastructure: Prof. Paul Maringa**

**HEAD OFFICE**

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**www.aak.or.ke**





**OUTCOMES OF DELIBERATIONS MATRIX:**

**AAK-KENHA : PROPOSED JKIA EXPRESSWAY**

**Notes from Meeting held on October 28<sup>th</sup> and Baraza on November 6<sup>th</sup>, 2019 with AAK Members**

CONCERN	DESCRIPTION	AAK'S PROPOSAL
Project Priority	The project's priority seems to lean more towards the movement of volumes of private motorized vehicles than the mobility of masses of people. Statistics show that up to 15% of Kenyans use private motorized vehicles.	The project's focus should shift towards providing mobility for the 85% of Kenyans using public transport and non-motorized modes of transport and not private motorized vehicles. Mass public transportation conveys more people in lesser space than private vehicles thus translating to reduced traffic congestion, air pollution and the stress that comes from daily driving in highly congested areas.
Value for money	Even with a willing investor on this capital intensive project on board, implementation of the project does not solve the issue of traffic – it exacerbates it further. Studies have proven that constructing new and wider highways induce more vehicular traffic, as new highways encourage more people to shift to private transportation modes and create new and longer trips.	Kenyans would experience more value through the investment of a system that promotes public transport and non-motorized transport

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Environmental compensation	Some of the existing green spaces will be replaced by concrete i.e. the expressway. This is beyond the heat island effect the road will also create.	Incorporation into the design mechanisms to absorb the heat and placement of planters along the route
Storm water management	The project design does not provide for storm water drainage	Inclusion of storm water drainage design in the road design so as to avert flooding on the road
Utility of road by pedestrians	The road design is cumbersome and seemingly dangerous to pedestrians and other non-motorized transport users	Incorporation into the design safe and efficient non-motorized transport systems such as pedestrian walkways, cycle lanes and crossing points
Local Content	Non-inclusion of local built environment professionals in the design and construction of infrastructure projects	There is need for deliberate inclusion of all local built environment professionals in the design and implementation of infrastructure projects in Kenya as a way of improving functionality and usability of such projects
Integration of project with existing projects and initiatives	The project seems to be isolated from existing projects and policies seeking to address the problem of transportation in Nairobi including those of NAMATA, KURA and the NCCG	Transportation project priorities should emanate from an integrated framework
Engagement of built environment professionals	Built environment professionals have been engaged after commissioning of the project	Relevant built environment professionals should be engaged at the design stage of a project. This will avert any compromise on the quality, costs and functionality of the project. These Landscape architects, Quantity Surveyors and Urban planners

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IN THE BUILT ENVIRONMENT



Knowledge/Skills Transfer	Foreign consultants hired by government are not keen on transferring knowledge to local professionals and technicians	The government should compel foreign consultants to establish mechanisms for knowledge transfer within the projects they are hired to undertake as a way of boosting the technical capacity of local technicians and professionals in the built environment
Environmental Impact Assessment (EIA)/ Social Impact Assessment (SIA)	The reports/findings for environmental and social impact assessments relating to infrastructure projects in the country are rarely made public	<ul style="list-style-type: none"> <li>- Ensure reports are available for public consumption and professional interrogation</li> <li>- Reports should inform the development of mitigation measures for environmental protection and rehabilitation</li> </ul>
Public Participation	Several road and infrastructure projects in Kenya are currently being undertaken without any evidence of public participation being conducted to collect view and input from members of the public before commencement of works	The Constitution of Kenya makes it mandatory to have adequate public participation in any government initiative. Road agencies in Kenya should be compelled to carry out extensive public participation and awareness programs during the design and implementation phases of infrastructure projects
Road & Highway Scene Murals/Street Arts	Mural and street art are yet to be embraced in Kenya and as such, such projects as the Nairobi Expressway could be a first in the country	We recommend the inclusion of murals on Kenyan road and highways designs to not only serve the purpose of “traffic calming” but also “build a sense of community” within our roads. Murals will also help limit outdoor advertising and other visual clutter

**HEAD OFFICE**

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## 15.9 ANNEX 9: EMAIL CORRESPONDENCES ON THE PROJECT

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## NAIROBI EXPRESSWAY PROJECT

### PUBLIC CONSULTATION INVOLVEMENT FORM

1. Will the proposed project affect your current operation? Yes/No

If yes in what way?

**YES, the proposed project shall affect our current operation in the following manner;**

- a. Our esteemed customers shall have trouble parking, and accessing our business facility and premises all together.
- b. This means a decline in customers at our premise which shall lead to a decline in sales and revenue collection and inevitably losses during the construction period.
- c. This may force us to close the business during the extended duration of the road work which means not being able to meet some of our financial obligations to our creditors.
- d. Disruption of business activity due to an increase in ;
  - Noise pollution from trucks bringing in construction materials and carrying out excavation works.
  - Grease and oil spillage from construction equipments and vehicles leading to oil pollution and likelihood of traffic accidents.
  - Possibility of disruption of electricity and water supply and water quality being affected by the high demand of water by the construction works.

#### Traffic and Transport Impact

- a. The construction works will require immense raw material and labour movement.
- b. The exit and entry point of motor vehicles from in and out of the club shall be interfered with.
- c. Disruption of traffic patterns
- d. Patrons' accessibility to the club
- e. Negative impacts on sales and revenues

#### Employment Impact

- a. The club may be forced to lay off employees which may attract labour litigations.

#### Disruption of Business

2. Our concerns regarding the proposed projects are as follows;
- a. Drop in sales and revenue for our current operations during this road work project.
  - b. Disruptions in traffic flow
  - c. Parking restrictions

3. Yes. In the event that we plan to expand our business, it may be a challenge considering its close proximity to the planned Nairobi Expressway.
4. When completed, it may increase;
  - i. Business activity
  - ii. Property value
  - iii. Investments
5. Currently none.

**Financial Reimbursement**

- a) The government should consider financial reimbursement or compensation for loss of business and unexpected income to caution the club from collapse.
- b) Our customers may choose to frequent businesses outside the construction zone thus causing us to lose revenue and finally leading to losses.
- c) It may require traffic to be diverted onto other roadways thus causing an increase in vehicle – kilometers travelled and travel time which shall discourage customers who would want to access our premises.
- d) Some studies have shown that more than half of businesses in construction zones saw slow or stagnant revenue growth while a third to 45% saw revenue drop.

**GALILEO INVESTMENT LIMITED**  
WAIYAKI WAY WESTLANDS  
PLOT L.R. NO. 209/2398  
P.O. BOX 14792 – 00800  
**NAIROBI**  
Tel: 020 – 3746718

**DRAWN AND FILED BY:-**  
**MUCHOKI, KANG'ATA, NJENGA & CO.**  
**ADVOCATES**  
BRUCE HOUSE 11<sup>TH</sup> FLOOR  
STANDARD STREET  
P. O. BOX 926-00100  
**NAIROBI**  
Email: info@mkn.co.ke  
Tel: +254 02 221 0411 / + 254 02 2210414



### NAIROBI EXPRESS WAY PROJECT

#### Public Consultation Involvement Form

1. Will the proposed project affect your current operation? Yes/No  
If yes, in what way?

- Not able to determine as its not clear whether proposed project touches our property NRB Block 93/1292. Please

2. What are your concerns regarding the proposed project

not able to determine as plan not clear.

provide a better plan to help us comment.

3. Do you have future interests that would conflict with the proposed project goals? How

as above.

4. What benefits are you likely to get from the proposed project?

?

5. Do you have any other comments either positive or negative about the proposed development?

the I get a better plan I will comment adequately.

Name	Hon Esther M. Muthenge
Organization Represented	- Eastman & Co (90) Ltd.
Designation	- Director
Telephone Number	- 0733 - 488 - 176
ID Number	- 1238807
Signature	Muthenge
Date	8/11/2019.
Official Stamp	

NO

2. What are your concerns regarding the proposed project

we have information that the road design has been changed & we are waiting to see the new one (design)

3. Do you have future interests that would conflict with the proposed project goals? How

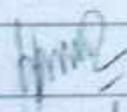
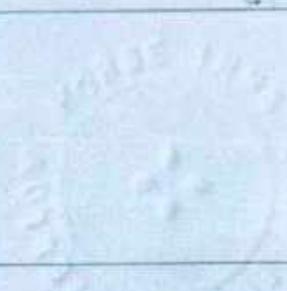
As indicated in no 2 above, let's have a look at the proposed new design first

4. What benefits are you likely to get from the proposed project?

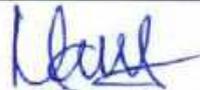
Reduced traffic jam

5. Do you have any other comments either positive or negative about the proposed development?

LUCAS K. MBURU

Name	<del>YELLOW HORSE INNS LTD</del>
Organization Represented	YELLOW HORSE INNS LTD
Designation	MANAGER
Telephone Number	0722 656521
ID Number	11022846
Signature	
Date	8/11/2019
Official Stamp	

# Public Consultation Involvement Form

Will the proposed project affect your current operation? Yes/No If yes, in what way?	Yes ① Visibility of the property/business from the highway. ② Dust during construction ③ Accessibility to the property during construction ④ Build a service lane from Mombasa road that would reduce the gridlock of vehicles turning into Librathe and to Island Container depa No
What are your concerns regarding the proposed project	
Do you have future interests that would conflict with the proposed project goals? How	
What benefits are you likely to get from the proposed project?	Easier traffic flow in and out of the property.
Do you have any other comments either positive or negative about the proposed development?	No.
Name	Michael Maina
Organization Represented	Norwich Union Properties Ltd
Designation	General Manager
Telephone Number	0722865198
ID Number	11591607
Signature	
Date	10/12/19
Official Stamp	



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1. Will the proposed project affect your current operation? Yes/No  Yes  
If yes, in what way?

1. Low business volume.
  2. Threat of closing the station altogether depending on where the cutting line is.
  3. Being left with an area that is not economical to operate on.
2. What are your concerns regarding the proposed project
1. Where to relocate the business and time involved to get a site similar to the current one in terms of business volumes.
  2. Quantifying business loss & compensation (3) Loss of business opportunity, experienced.

3. Do you have future interests that would conflict with the proposed project goals? How?  Yes

We were in the process of putting up a carwash at the space next to the road, obviously this is a LOST BUSINESS OPPORTUNITY.

4. What benefits are you likely to get from the proposed project?

1. Faster supply of deliveries.

5. Do you have any other comments either positive or negative about the proposed development?

- Positive - None so far except the faster supply of deliveries
- Negative - Loss of income due to reduced business volumes
- Possibility of losing dealership with OLA Energy due to the closure of the site

Name	Elizabeth M. Njire
Organization Represented	CROSSPOINT ASSET MANAGERS LTD
Designation	DIRECTOR / DEALER
Telephone Number	0722373254
ID Number	7574614
Signature	
Date	18/11/2019
Official Stamp	

# Public Consultation Involvement Form

Will the proposed project affect your current operation? <u>Yes/No</u> If yes, in what way?	Yes if it will affect me in the allocation of my work place.
What are your concerns regarding the proposed project	The investment should concerns the other work who work a long the high way
Do you have future interests that would conflict with the proposed project goals? How	NO
What benefits are you likely to get from the proposed project?	The project will ease the movement of goods and services.
Do you have any other comments either positive or negative about the proposed development?	The project will benefit many Kenyas youths due to jobs employment.
Name	Stephen Macaria
Organization Represented	Westlands CGW Waste
Designation	A CGW Waster
Telephone Number	0719300891
ID Number	20033415
Signature	
Date	27/11/2019
Official Stamp	



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# Public Consultation Involvement Form

Will the proposed project affect your current operation? Yes/No If yes, in what way?	Yes Because of the project in my sector in need to vacate at my working place for the project to have space.
What are your concerns regarding the proposed project	My concern is this what will happen to people who work along the high way what will this be compensated for 3 years
Do you have future interests that would conflict with the proposed project goals? How	No conflict it is a benefit to as community
What benefits are you likely to get from the proposed project?	It will increase the sources of income to kenyas and truckers.
Do you have any other comments either positive or negative about the proposed development?	The project will ease the way of flowing the goods and transport.
Name	Ephantus Mwangi Mungoma
Organization Represented	The Break down ser services operator
Designation	Break down operator
Telephone Number	0713 455 798
ID Number	1360 38 31603889
Signature	
Date	27/11/2019
Official Stamp	



中国路桥工程有限责任公司  
CHINA ROAD AND BRIDGE CORPORATION

1. Will the proposed project affect your current operation? Yes/No  
If yes, in what way?

*KINDLY REFER THE ANSWER ON THE NEXT PAGE.*

2. What are your concerns regarding the proposed project

*KINDLY REFER THE ANSWER ON THE NEXT PAGE.*

3. Do you have future interests that would conflict with the proposed project goals? How

*KINDLY REFER THE ANSWER ON THE NEXT PAGE*

4. What benefits are you likely to get from the proposed project?

*KINDLY REFER THE ANSWER ON THE NEXT PAGE.*

5. Do you have any other comments either positive or negative about the proposed development?

*CURRENTLY, NONE.*

Name	MUCHOKI, KANGATA, NIENGA & CO. ADVOCATES
Organization Represented	GALILEO INVESTMENTS LIMITED
Designation	P.O. BOX 14792 - 00800, NAIROBI.
Telephone Number	0720451547 / 020-3746718
ID Number	
Signature	
Date	15 <sup>TH</sup> NOVEMBER, 2019
Official Stamp	

# Public Consultation Involvement Form

Will the proposed project affect your current operation? Yes/No If yes, in what way?	Yes ① Visibility of the property/business from the highway. ② Dust during construction ③ Accessibility to the property during construction
What are your concerns regarding the proposed project	④ Build a service lane from mamasa road that would reduce the gridlock of vehicles turning into Libra Hse and to total container depo
Do you have future interests that would conflict with the proposed project goals? How	No
What benefits are you likely to get from the proposed project?	Easier traffic flow in and out of the property.
Do you have any other comments either positive or negative about the proposed development?	No.
Name	Michael Maina
Organization Represented	Norwich Union Properties Ltd
Designation	General Manager
Telephone Number	0722865198
ID Number	11591607
Signature	
Date	10/12/19
Official Stamp	



中国路桥工程有限责任公司  
CHINA ROAD AND BRIDGE CORPORATION

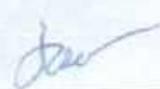
## Public Consultation Involvement Form

Will the proposed project affect your current operation? Yes/No If yes, in what way?	Yes ① Visibility of the property/business from the highway. ② Dust during construction ③ Accessibility to the property during construction ④ Build a service lane from main access road that would reduce the gridlock of vehicles turning into Libra Hse and to inland container depo No
What are your concerns regarding the proposed project	(See above for concerns)
Do you have future interests that would conflict with the proposed project goals? How	No
What benefits are you likely to get from the proposed project?	Easier traffic flow in and out of the property.
Do you have any other comments either positive or negative about the proposed development?	No.
Name	Michael Maina
Organization Represented	Norwich Union Properties Ltd
Designation	General Manager
Telephone Number	0722865198
ID Number	11591607
Signature	
Date	10/12/19
Official Stamp	(Blank)



中国路桥工程有限责任公司  
 CHINA ROAD AND BRIDGE CORPORATION

# Public Consultation Involvement Form

Will the proposed project affect your current operation? Yes/No If yes, in what way?	my working place will be taken
What are your concerns regarding the proposed project	
Do you have future interests that would conflict with the proposed project goals? How	no
What benefits are you likely to get from the proposed project?	
Do you have any other comments either positive or negative about the proposed development?	I would like to be compensated
Name	Juan Kati
Organization Represented	
Designation	mechanic
Telephone Number	0722051 0722557054
ID Number	25132326
Signature	
Date	27/11/2019
Official Stamp	



中國路桥工程有限责任公司  
CHINA ROAD AND BRIDGE CORPORATION

# Public Consultation Involvement Form

Will the proposed project affect your current operation? Yes/No If yes, in what way?	Yes it will affect me in the allocation of my job places both in income and social economic
What are your concerns regarding the proposed project	The project should also concern people who work along the highway.
Do you have future interests that would conflict with the proposed project goals? How	The project will improve infrastructure and flow of goods. NO
What benefits are you likely to get from the proposed project?	It will improve the flow of goods and easy movement.
Do you have any other comments either positive or negative about the proposed development?	It will bring the improvement of transport and job opportunity
Name	Peter Karrau
Organization Represented	Car Wash
Designation	A Car washer
Telephone Number	0722 512 630
ID Number	20455810
Signature	
Date	27/11/2019.
Official Stamp	



中国路桥工程有限责任公司  
CHINA ROAD AND BRIDGE CORPORATION

# Public Consultation Involvement Form

Will the proposed project affect your current operation? Yes/No If yes, in what way?	Because the road will pass along my working place
What are your concerns regarding the proposed project	the proposed project will reduce the traffic lanes
Do you have future interests that would conflict with the proposed project goals? How	NO
What benefits are you likely to get from the proposed project?	Because the traffic lanes will reduce
Do you have any other comments either positive or negative about the proposed development?	I would like either be compensated or be given another place of work
Name	PETER MBUNGA KIMANI
Organization Represented	Sua Kali
Designation	BREAKDOWN
Telephone Number	0722169-301
ID Number	21967602
Signature	
Date	27-11-2019
Official Stamp	



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CHINA ROAD AND BRIDGE CORPORATION

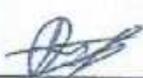
# Public Consultation Involvement Form

Will the proposed project affect your current operation? Yes/No If yes, in what way?	Yes/ Because Where I park and <sup>water</sup> fetch water is on road map
What are your concerns regarding the proposed project	It will reduce traffic
Do you have future interests that would conflict with the proposed project goals? How	NO
What benefits are you likely to get from the proposed project?	No Benefit
Do you have any other comments either positive or negative about the proposed development?	NO
Name	Robert Ngaiya Waitbakia
Organization Represented	
Designation	Breakdown & car wash
Telephone Number	0723101105
ID Number	26730435
Signature	
Date	27/11/2019
Official Stamp	



中国路桥工程有限责任公司  
CHINA ROAD AND BRIDGE CORPORATION

# Public Consultation Involvement Form

Will the proposed project affect your current operation? Yes/No If yes, in what way?	Yes due to the allocation of the project it will affect me because i work along the highway.
What are your concerns regarding the proposed project	They should also concern the members who work along the highway.
Do you have future interests that would conflict with the proposed project goals? How	No because it is a benefit to many Kenyans.
What benefits are you likely to get from the proposed project?	It will provide easy transport and good flow of goods and services.
Do you have any other comments either positive or negative about the proposed development?	The infrastructure will benefit youth Kenyans by job employment.
Name	Daniel King'anyi Karau
Organization Represented	Westlands mechanics
Designation	Mechanic
Telephone Number	0721811623
ID Number	14572376
Signature	
Date	27/11/2019
Official Stamp	



# Public Consultation Involvement Form

Will the proposed project affect your current operation? Yes/No If yes, in what way?	Yes - My site has adequate clean water for Carutesh which I can find anywhere around Westland
What are your concerns regarding the proposed project	It will benefit at least everybody.
Do you have future interests that would conflict with the proposed project goals? How	No.
What benefits are you likely to get from the proposed project?	It will open more business
Do you have any other comments either positive or negative about the proposed development?	No.
Name	Eustace Karobia Gicheru
Organization Represented	
Designation	Westland
Telephone Number	0722711237
ID Number	24872444
Signature	
Date	27-11-2019
Official Stamp	



中国路桥工程有限责任公司  
CHINA ROAD AND BRIDGE CORPORATION

# Public Consultation Involvement Form

Will the proposed project affect your current operation? Yes/No If yes, in what way?	Yes → My site has adequate clean water for car wash which I can't <del>find</del> <sup>find</sup> anywhere else around <sup>washin</sup>
What are your concerns regarding the proposed project	It will benefit at least everybody
Do you have future interests that would conflict with the proposed project goals? How	NO
What benefits are you likely to get from the proposed project?	It will open more business
Do you have any other comments either positive or negative about the proposed development?	NO
Name	NATASHON MWANGI KARIARI
Organization Represented	
Designation	WESTLAND
Telephone Number	0726 52 78 55
ID Number	24 64 84 58
Signature	
Date	27-11-2019
Official Stamp	



中国路桥工程有限责任公司  
CHINA ROAD AND BRIDGE CORPORATION

# Public Consultation Involvement Form

Will the proposed project affect your current operation? Yes/No If yes, in what way?	Yes, No business
What are your concerns regarding the proposed project	Something good
Do you have future interests that would conflict with the proposed project goals? How	Improve the future notice
What benefits are you likely to get from the proposed project?	To provide the jobs for the youths
Do you have any other comments either positive or negative about the proposed development?	It will improve the investment and business flow of goods and services
Name	George Itisi munihi
Organization Represented	West land
Designation	break down
Telephone Number	0705848895
ID Number	32347014
Signature	
Date	27/11/2019
Official Stamp	



中国路桥工程有限责任公司  
CHINA ROAD AND BRIDGE CORPORATION

# Public Consultation Involvement Form

Will the proposed project affect your current operation? Yes/No If yes, in what way?	yes NO BUSSINES
What are your concerns regarding the proposed project	GOOD
Do you have future interests that would conflict with the proposed project goals? How	IMPROVE THE FLOW OF GOOD FUTURE
What benefits are you likely to get from the proposed project?	It will provide the job opportunity for the youths
Do you have any other comments either positive or negative about the proposed development?	it will improve the investment and good flow of goods and services
Name	DUNCAN MURURI
Organization Represented	WESTLANDS <del>BREAK DOWN</del>
Designation	BREAK DOWN SRVS
Telephone Number	0724121152
ID Number	25041631
Signature	
Date	27/11/2019
Official Stamp	



中国路桥工程有限责任公司  
CHINA ROAD AND BRIDGE CORPORATION

# Public Consultation Involvement Form

Will the proposed project affect your current operation? <u>Yes/No</u> If yes, in what way?	Yes It will affect me positively in my Job allocation and vacating
What are your concerns regarding the proposed project	It is good idea to Kenya Citizens
Do you have future interests that would conflict with the proposed project goals? How	No I have no conflict with the proposed project
What benefits are you likely to get from the proposed project?	The big benefit will be also the better than opportunity in the Kenya Youth
Do you have any other comments either positive or negative about the proposed development?	Yes is good for Kenya because of Asports and good flow of good
Name	Daniel Mwangi
Organization Represented	Self employment
Designation	driver and car wash
Telephone Number	0719 533 158
ID Number	23244250
Signature	
Date	27-11-2019
Official Stamp	



中国路桥工程有限责任公司  
CHINA ROAD AND BRIDGE CORPORATION

# Public Consultation Involvement Form

Will the proposed project affect your current operation? Yes/No If yes, in what way?	IT AFFECT MY BUSINESS
What are your concerns regarding the proposed project	It will provide job to many people
Do you have future interests that would conflict with the proposed project goals? How	YES. It will provide an opportunity for various people
What benefits are you likely to get from the proposed project?	Making faster to your business or home.
Do you have any other comments either positive or negative about the proposed development?	It will reduce traffic-jam.
Name	BONIFACE WARIGANJO MBEKA
Organization Represented	CAR WASH
Designation	CAR WASHER
Telephone Number	0720934522
ID Number	11509688
Signature	
Date	27-11-2019
Official Stamp	

# Public Consultation Involvement Form

Will the proposed project affect your current operation? Yes/No If yes, in what way?	Yes it will affect me positively in my job allocation and waiting
What are your concerns regarding the proposed project	It is a good deal to Kenya citizens
Do you have future interests that would conflict with the proposed project goals? How	NO I have no conflict with the proposed project.
What benefits are you likely to get from the proposed project?	The big benefits will be a job opportunity to the Kenyan youths
Do you have any other comments either positive or negative about the proposed development?	The Dual coverage will benefit the fellow Kenya citizens in transport and good flow of goods
Name	Dorine Akoth
Organization Represented	self employment
Designation	Mama Kibanda
Telephone Number	0723541154
ID Number	32843083
Signature	
Date	21/11/2014
Official Stamp	



中国路桥工程有限责任公司  
CHINA ROAD AND BRIDGE CORPORATION

# Public Consultation Involvement Form

Will the proposed project affect your current operation? Yes/No If yes, in what way?	It will affect my business
What are your concerns regarding the proposed project	give job to many.
Do you have future interests that would conflict with the proposed project goals? How	YES,
What benefits are you likely to get from the proposed project?	reduce the traffic jam
Do you have any other comments either positive or negative about the proposed development?	NO
Name	DANSON MWAYUMBA OLUNGA
Organization Represented	MECHANIC
Designation	MECHANIC
Telephone Number	0704756767
ID Number	8077281
Signature	DANSON
Date	27/11/19
Official Stamp	



中国路桥工程有限责任公司  
CHINA ROAD AND BRIDGE CORPORATION



NAIROBI EXPRESS WAY PROJECT

Public Consultation Involvement Form

1. Will the proposed project affect your current operation? Yes/No  
If yes, in what way?

No

2. What are your concerns regarding the proposed project

No negative concerns.

3. Do you have future interests that would conflict with the proposed project goals? How

No

4. What benefits are you likely to get from the proposed project?

Ease of traffic to airport and firms may open a business opportunity.

5. Do you have any other comments either positive or negative about the proposed development?

Conservation of environment in areas affected require considerations.

Name	KANARUA MICHAEL KWALO.
Organization Represented	LALU RESIDENCY HOTEL.
Designation	HYGIENE MANAGER
Telephone Number	0728017180
ID Number	2314676
Signature	
Date	18/11/2019.
Official Stamp	



### NAIROBI EXPRESS WAY PROJECT

#### Public Consultation Involvement Form

1. Will the proposed project affect your current operation? Yes/No  
If yes, in what way?

2. What are your concerns regarding the proposed project?

*Positive Expectations*

3. Do you have future interests that would conflict with the proposed project goals? How?

*no*

4. What benefits are you likely to get from the proposed project?

*EASY TRAFFIC FLOW*

5. Do you have any other comments either positive or negative about the proposed development?

Name	<i>John Peter</i>
Organization Represented	<i>Motbi Ltd (Operates Shell service Station off N101)</i>
Designation	<i>Site Manager</i>
Telephone Number	<i>0732 402 312</i>
ID Number	<i>237 252 00</i>
Signature	<i>[Signature]</i>
Date	<i>16/11/19</i>
Official Stamp	





NAIROBI EXPRESS WAY PROJECT

Public Consultation Involvement Form

1. Will the proposed project affect your current operation? Yes/No **Yes**  
If yes, in what way?

There are lines and cables crossing the uhuru highway which will need to be relocated. It may require us to switch off during the relocation & will affect our operations.

2. What are your concerns regarding the proposed project?

Disruption of services to our customers during the construction period.

3. Do you have future interests that would conflict with the proposed project goals? How **Yes**

During the expansion of the road it will affect our facility like Cathedral substation and the 220kV cables crossing at Uhuru highway.

4. What benefits are you likely to get from the proposed project?

Many benefits like quick transportation from Mombasa road to waiyaki way. Will be a benefit for the society.

5. Do you have any other comments either positive or negative about the proposed development?

The development is positive.

Name	PETER BUKIVA
Organization Represented	K.P.L.C
Designation	Technical Services IC Nairobi North
Telephone Number	0722496958
ID Number	6878279
Signature	
Date	18/11/2019.
Official Stamp	<p>THE KENYA POWER &amp; LIGHTING Co. LTD. P.O. Box 30177 NAIROBI</p>

**NAIROBI EXPRESS WAY PROJECT**

Public Consultation Involvement Form

1. Will the proposed project affect your current operation?  Yes  No

If yes, in what way? *We are on the ICD road off Mombasa Rd.*

*We request plans to understand in better detail how we will be affected.*

2. What are your concerns regarding the proposed project?

*Time for implementation. Road access to our premises during construction. We would also like to see the plans for the area/section we are located. How will traffic to ICD be handled?*

3. Do you have future interests that would conflict with the proposed project goals? How?

*N/A.*

4. What benefits are you likely to get from the proposed project?

*Speedier and more efficient access to our premises. Currently access is not good (road in bad condition) and takes a long time due to ICD traffic (we are on the ICD road).*

5. Do you have any other comments either positive or negative about the proposed development?

*Lack of communication.*

Name	ANISH DOSHI
Organization Represented	IDEAL CERAMICS + SUNNEX ENTERPRISES
Designation	DIRECTOR
Telephone Number	0718777 777
ID Number	33842236
Signature	
Date	15/11/19
Official Stamp	<div style="border: 1px solid black; padding: 5px; display: inline-block;"> <p><b>SUNNEX ENTERPRISES LTD</b>  <b>P. O. BOX 82271 - 80100</b>  <b>MOMBASA - KENYA</b>  <b>TEL: 041-2490000</b></p> </div> <div style="border: 1px solid black; padding: 5px; display: inline-block; margin-left: 20px;"> <p><b>IDEAL CERAMICS LTD.</b>  <b>P.O. Box 39512 - 00623</b>  <b>NAIROBI</b>  <b>KENYA</b>  <b>Wireless: 020-2335654</b>  <b>Mob: 0718 000007</b></p> </div>



**NAIROBI EXPRESS WAY PROJECT**

Public Consultation Involvement Form

1. Will the proposed project affect your current operation? Yes/No  
If yes, in what way?

YES, EASIER & FASTER ACCESS TO AIRPORT & SGR  
LESS TRAFFIC CONGESTION, INCONVENIENCE TO OUR GUESTS

2. What are your concerns regarding the proposed project

DISRUPTION DURING CONSTRUCTION. NOISE POLLUTION

3. Do you have future interests that would conflict with the proposed project goals? How

No

4. What benefits are you likely to get from the proposed project?

EASIER ACCESS TO ALL BUSINESSES IN THIS NODE, INCREASING  
ACTIVITY, BENEFITTING ALL BUSINESSES IN THE AREA.

5. Do you have any other comments either positive or negative about the proposed development?

Name	LORENZO BALERI
Organization Represented	HILTON GARDEN INN
Designation	GENERAL MANAGER
Telephone Number	407 5000
ID Number	604 245
Signature	
Date	13/7/2019
Official Stamp	



NAIROBI EXPRESS WAY PROJECT

Public Consultation Input/Response Form

1. Will the proposed project affect your current operation? Yes/No  
If yes, in what way?

YES. DURING CONSTRUCTION NOISE & DIRT  
AFTER CAR NOISE & POLLUTION

2. What are your concerns regarding the proposed project

INCREASED CAR NOISE. BRIDGES ATTRACT  
HOMELESS PEOPLE & CRIMINALS TO LIVE UNDER

3. Do you have future interests that would conflict with the proposed project goals? How

AS HOTEL IS DUE FOR REDEVELOPMENT CLARITY  
HOW THIS EXPRESS WAY LOOKS LIKE IS IMPORTANT  
AS IT INFLUENCES CHANGES AT THE HOTEL

4. What benefits are you likely to get from the proposed project?

BETTER ACCESSIBILITY. FASTER ACCESS  
TO AIRPORT. BETTER CONNECTIVITY

5. Do you have any other comments either positive or negative about the proposed development?

FEAR THAT HIGH CHARGES WILL CONTINUE  
TO CONGEST DHURU HIGHWAY EVEN AFTER THE  
EXPRESS WAY IS DONE

Name	OLIVER GEYER
Organization Represented	INTERCONTINENTAL
Designation	GENERAL MANAGER
Telephone Number	+254 702 968 840
ID Number	836836
Signature	
Date	13.11.2019
Official Stamp	





NAIROBI EXPRESS WAY PROJECT

1. Will the proposed project affect your current operation? Yes/No  
If yes, in what way?

Yes.

will be having lots of dust, traffic jams, pollution, Safety, Security Concerns. Please do not cut any TREES!

2. What are your concerns regarding the proposed project

This is a good project but we must know the area affected and time line is very important.

3. Do you have future interests that would conflict with the proposed project goals? How

NO

4. What benefits are you likely to get from the proposed project?

Once Completed it will save travel time.

5. Do you have any other comments either positive or negative about the proposed development?

Can not comment because we do not have the proposed plan. Must adhere to specific time.

Name	DR. A. J. COWPER
Organization Represented	WAIYAKI COURT
Designation	Resident
Telephone Number	0725 232245
ID Number	134 30584
Signature	
Date	12/11/19
Official Stamp	



### NAIROBI EXPRESS WAY PROJECT

#### Public Consultation Involvement Form

1. Will the proposed project affect your current operation?  Yes/ No  
If yes, in what way? *If there is encroachment to our Property "Hotel Boulevard" we would like to know to what extent and with what compensation. The only information available is what is on the media so far!*
2. What are your concerns regarding the proposed project *Only As Above.*
3. Do you have future interests that would conflict with the proposed project goals? How  
*None besides above.*
4. What benefits are you likely to get from the proposed project?  
*Personal Benefits - Nominal.  
General Benefits to Public Economy and Nairobi city.  
YES - Very good.*
5. Do you have any other comments either positive or negative about the proposed development? *NONE BUT ABOVE ONLY.*

Name	H. HIRANI
Organization Represented	Hotel Boulevard - Chezer Investments.
Designation	Director
Telephone Number	+254 722 515 077
ID Number	29977693
Signature	<i>Hirani</i>
Date	12/11/19
Official Stamp	<div style="border: 1px solid black; padding: 5px; display: inline-block;"><b>CHEZER INVESTMENTS LTD.</b> P. O. Box 42831 - 00100, NAIROBI.</div>



# NAIROBI EXPRESS WAY PROJECT



1. Will the proposed project affect your current operation? Yes/No  
If yes, in what way?

We cannot tell at this time whether the project will affect us as we have no information as to the design of the project, the aesthetics and the proposed traffic flow in our area.

2. What are your concerns regarding the proposed project

- Our concerns are:-  
 That the design will interfere with our light and air  
 That the project will bring increased traffic flow  
 That the project will necessitate acquisition of part of our property or increase the no build area  
 That the project will be designed in a manner that leads to restricted access to our property  
 That the project may lead to improper water drainage and all the associated problems that come with that.  
 That the construction period may be prolonged leading to perennial disruption of our business

3. Do you have future interests that would conflict with the proposed project goals? How

We plan to develop the property.

The project may affect the zoning or planning permission due to restricted traffic flow or pedestrian access to the property.

The project may make the property less attractive to future investors, tenants and other stakeholders.  
 The project may affect the aesthetics of the property

4. What benefits are you likely to get from the proposed project?

Benefits:-

Depending on design, the project could lead to easier access and improved traffic flow to the property  
 Decongestion of the neighbourhood

5. Do you have any other comments either positive or negative about the proposed development?

There is a concern as to whether the project will constrict the traffic on the existing highway by reducing its size  
 There is a concern about the affordability of the expressway given that the developers will need to recoup their investment in a relatively short time.  
 If there are toll stations, there are concerns about tailbacks onto the existing highway  
 There is a concern about security underneath any overpass and in particular creation of dens and hideouts underneath the expressway

We are looking forward to better traffic flow and reduced commuter times.  
 We are in favour of 21st century design and development

Name	Ivy Chege Julius Nyanjui
Organization Represented	Westlands (K) Limited
Designation	Manager Technical Director
Telephone Number	0722-702403 0722-510471
ID Number	9346278 7112803
Signature	
Date	11th November 2019
Official Stamp	

1. Will the proposed project affect your current operation? Yes/No  
If yes, in what way?  NO

2. What are your concerns regarding the proposed project

NONE

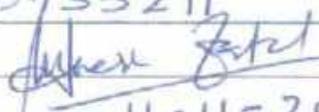
3. Do you have future interests that would conflict with the proposed project goals? How

NO

4. What benefits are you likely to get from the proposed project? HUGE BENEFIT OF  
SAVING TRAFFIC TIME AND COSTS.

5. Do you have any other comments either positive or negative about the proposed development?

OUR SUPPORT & BLESSING FOR THIS PROJECT  
& ENSURING THAT IT GETS COMPLETED SOONEST.

Name	MANESH PATEL
Organization Represented	LAB & ALLIED LTD.
Designation	CHAIRMAN
Telephone Number	+254 722 513 653
ID Number	0955211
Signature	
Date	11-11-2019
Official Stamp	

1. Will the proposed project affect your current operation?  Yes/ No  
If yes, in what way?

I WILL NOT BE ABLE TO CONTINUE MY BUSINESS BECAUSE MY SPACE WILL BE TAKEN

2. What are your concerns regarding the proposed project

IT IS GOING TO DISPLACE MANY PEOPLE

3. Do you have future interests that would conflict with the proposed project goals? How

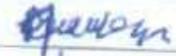
No

4. What benefits are you likely to get from the proposed project?

I DONT SEE ANY BENEFIT

5. Do you have any other comments either positive or negative about the proposed development?

IF PEOPLE CAN BE COMPENSATED OR GIVEN ANOTHER PLACE OF WORK, IT IS GOING TO REDUCE TRAFFIC JAM BY FAR

Name	PAUL KAGIRI WAUERY
Organization Represented	
Designation	
Telephone Number	MECHANIC, CAR WASH
ID Number	0722-866761 0731060253
Signature	5161567
Date	
Official Stamp	8/11/2019

## 15.10 ANNEX 10. TRAFFIC RELIEF PLAN

---

## 1 Vehicle access assurance scheme & noise control measures

During construction, the access assurance scheme is adopted based on the available width of central reserve, the structural type of bridge and roadbed, and the cross-sections, and whether it is feasible to construct auxiliary roads. For some key sections, speed limitation and other necessary methods are proposed to ensure the smooth traffic flow and construction safety of A8 roads. Sound barriers will be proposed in CBD sections to minimize the impact of the Expressway.

## 2 Diversion scheme

Long-distance traffic is diverted through the Southern Bypass and the Eastern Bypass while short-distance traffic adopts two kinds of diversion schemes, namely regional road network diversion and A8 auxiliary roads diversion.

The diversion route is shown as follows:

**Table 1 List of the Diversion Route**

No.	Chainage	Diversion direction	Diversion plan and route	The number of occupied lanes in the construction section	Smooth passing plan during construction
1	K8+000-K9+150	To Northwest Nairobi	Drive along existing road A8	No existing lane occupied	Dual 6-lane vehicle access
		To Athi River	Drive along existing road A8	No existing lane occupied	Dual 6-lane vehicle access
2	K9+150-K15+564	To Northwest Nairobi	Drive along existing road A8	One lane temporarily occupied each side	Dual 4-lane vehicle access
		To Athi River	Drive along existing road A8	One lane temporarily occupied each side	Dual 4-lane vehicle access
3	K15+564-K17+500	To Northwest Nairobi	Popo Rd	One lane temporarily occupied each side	Dual 4-lane traffic is kept smooth for passing
		To Athi River	Lusaka Rd	One lane temporarily occupied each side	Dual four-lane traffic is kept smooth for passing
4	K17+500~K21+800	To Northwest Nairobi	Langata Rd; Haile Selassie Ave; Kenyatta Ave; Southern Bypass	One or two lane(s) temporarily occupied each side	Dual two-lane, Dual four-lane
		To Athi River	Forest Rd; Kenyatta Ave; Haile Selassie Ave;	One or two lane(s) temporarily occupied each side	Dual two-lane, Dual four-lane
5	K21+800~K23+000	To Northwest Nairobi	Driving along existing A8 road	Do not occupy the existing lanes	Dual six-lane traffic is kept smooth for passing
		To Athi River	Ring Rd Parklands→Parklands Rd	Do not occupy the existing lanes	Dual six-lane traffic is kept smooth for passing
6	K23+000~K26+674	To Northwest Nairobi	Diversion to the Southern Bypass	Temporary access roads are constructed outside the existing roads	Dual four-lane traffic is kept smooth for

No.	Chainage	Diversion direction	Diversion plan and route	The number of occupied lanes in the construction section	Smooth passing plan during construction
		To Athi River	Diversion to the Southern Bypass	Temporary access roads are constructed outside the existing roads	passing Dual four-lane traffic is kept smooth for passing

- **Section K8+000-K9+150**

The Project shall be built in the median strip (width >30m) of the existing A8. In this section, tapered casing shall be provided as temporary safety facility on both sides of the existing road, making sure the driving safety and the construction safety. The existing traffic flow will not be intervened.

- **Section K9+150-K15+564**

One lane will be temporarily occupied for construction each side. The rest four lanes are of normal access. During construction, it needs to provide temporary isolation and anti-collision facilities and warning signs. Besides, water (sand) injection isolation pier shall be used for driving safety. In this section, it is a 4-lane dual carriageway vehicle access scheme.

- **K15+564~K17+500:**

One lane will be temporarily occupied for construction each side, and the remaining four lanes will be of normal access. During the construction of the Project, remove the anti-collision guardrails and traffic safety facilities and signs along the existing A8. During this period, for sections where the median strip is 10m to 15m wide, one lane will be temporarily occupied for construction each side, and can be reopened for traffic after the construction. During construction, it needs to provide temporary isolation and anti-collision facilities and warning signs. Besides, water (sand) injection isolation pier shall be used for driving safety. In this section, it is a 4-lane dual carriageway vehicle access scheme.

- **K17+500~K21+800:**

The number of occupied lanes will be determined according to the specific conditions (the width of the central reserve and the clearance requirements of the construction surface) in this section and the remaining dual carriageways will normally operate. In this section, the width of the central reserve is generally less than 10m, so it needs to occupy at least one lane each side, and some sections may occupy two lanes for closed construction. Due to the narrow width of the central reserve, in order to ensure the driving and construction safety, the road shall be closed 150 meters in front of and behind the bridge construction area. The traffic flow is diverted to the outer lanes of the existing A8. In this section, it is a 4-lane (2-lane in some sections) dual carriageway vehicle access scheme.

- **K21+800~K23+000:**

In this section, tapered liners will be installed at the edges of hard shoulders on both sides of the existing road as temporary safety facilities to ensure the safety of driving and construction. The traffic will not be interfered, and it is a dual 6-lane access scheme.

- **K23+000~K26+764:**

In this section, the width of the central reserve is generally less than 10m and the existing road is four-lane carriageway, so it is not suitable to occupy the existing lanes as the construction area. Considering that there is some vacant land on both sides of the road in this construction section, temporary access roads are proposed on both sides of the existing road for bridge construction. During construction, it needs to provide temporary isolation and anti-collision facilities and warning signs. Besides, water (sand) injection isolation pier shall be used for driving safety.

Chainage	Existing U-turn	Proposed U-turn	Remarks
K0+400	✓		
K1+650	✓		
K2+780	✓	✓	Merge into one dual-way U-turn
K3+850	✓		
K4+550	✓		
K5+200	✓		
K6+150	✓	✓	dual-way U-turn
K8+500	✓	✓	Merge into one dual-way U-turn
K8+950	✓		
K12+200	✓	✓	Proposed a new roundabout
K12+750	✓		
K13+630	✓		
K15+600	✓	✓	Intact
K16+850	✓	✓	Intact
K22+400	✓	✓	Intact
K23+000	✓	✓	Intact
K23+760	✓	✓	Intact
K24+670	✓	✓	Intact
K25+170	✓	✓	Intact
K25+330	✓	✓	Intact
K26+150	✓	✓	Intact
K26+764	✓	✓	Proposed a new roundabout

*Note: U-turns that are demolished will be constructed into dual-way U-turns. Although the exact number of U-turns decrease, the capacity of proposed U-turns is significantly enhanced.*

## 15.11 ANNEX 11: BOREHOLE LOGS

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Column Map of Exploration Hole

No. 1 Total 1

Project		Nairobi JKIA to James Gichuru Road Express Highway Project in Kenya			No.62	Total 71	Coordinates	N = 9851373.18		
Work type					Elevation	1634.18 m		E = 266685.49		
Borehole		Z-01			Start	2018.11.29	Meeting Water	未测	m	
Mileage		K1+004.20 ± 5.10m			End	2018.12.01	Stable water	4.10	m	
Age	No.	Dep. (m)	Thickness (m)	Elevation (m)	Scale 1:150	Geological Description	Dep. of sample	SPT (blows/30cm)	动探曲线	bearing capacity (kPa)
Q <sub>4</sub> <sup>alpl</sup>	②	0.70	0.70	1633.48		clay: Dark ; Hard ; Black cotton soil, commonly known as uneven soil, with a small amount of coarse sand particles, the surface contains plant roots. .	±1 0.30			150
N	④ <sub>2</sub>	3.10	2.40	1631.08		Phonolite: Greyish ; Highly weathered, cryptocrystalline structure, massive structure, developed fissures, the core is coarse sand with gravel, block stone, gravel content accounts for about 55%, particle size 0.5-5cm.	水1 4.50	N63.5-55 1.50-1.52		600
	④ <sub>1</sub>	4.70	1.60	1629.48		Phonolite: Greyish ; Completely weathered, developed fissures, sandstone-like core, coarse sand content of 30% - 40%, gravel content of less than 10%, particle size of 1 - 5cm.	岩1 9.30	N63.5-50 3.00-3.10		300
	④ <sub>1</sub>	11.70	7.00	1622.48		Phonolite: Greyish ; Highly weathered, cryptocrystalline structure, massive structure, developed rock fissures, the core is sandstone-like, sandy content is less than 40%, block size is 3-9 cm, of which the lithology of 9.3-9.7m section is short columnar.	岩2 10.70	N63.5-50 6.00-6.08		600
	④ <sub>2</sub>	12.50	0.80	1621.68		Phonolite: Grey ; Moderately weathered, cryptocrystalline structure, massive structure, hard rock, short columnar lithology, and fragmentary, smooth surface, with a small number of pores, cracks developed, mostly oblique.	岩3 13.80	N63.5-21.50 7.00-7.11		1000
	④ <sub>1</sub>	16.80	4.30	1617.38		phonolite: Dark ; Slightly weathered, cryptocrystalline structure, massive structure, complete core, locally short columnar, containing crystal debris, smooth rock surface, clear and crisp sound, hard rock.				1500

Column Map of Exploration Hole

No. 1 Total 1

Project		Nairobi JKIA to James Gichuru Road Express Highway Project in Kenya			No.65	Total 71	Coordinates	N = 9853755.50			
Work type					Elevation	1648.92m		E = 260375.26			
Borehole		Z-04			Start	2018.11.30	Meeting Water	未测	m		
Mileage		K6+968.10 右 6.00m			End	2018.12.02	Stable water	2.40	m		
Age	No.	Dep. (m)	Thickness (m)	Elevation (m)	Scale 1:150	Geological Description	Dep. of sample	SPT (blows/30cm)	动探曲线	bearing capacity (kPa)	
Q <sub>4</sub> <sup>ml</sup>	①	0.50	0.50	1648.42		Miscellaneous-fill: Yellow ; Slightly ; Slightly ; It is mainly composed of gravel and clayey soil. The content of clayey soil is about 21%, the particle size of gravel is 0.5-4 cm, and the maximum is 5 cm.					
Q <sub>4</sub> <sup>sl+pl</sup>	②	1.50	1.00	1647.42		clay: Dark ; Plastic-hard ; Black cotton soil. It has uniform soil quality, glossy cut surface, medium dry strength and toughness. .				150	
N	④	9.90	8.40	1639.02		Phonolite: Greyish ; Highly weathered, cryptocrystalline structure, massive structure, of which 1.5-4.5m core is fragmentary, particle size 1-3.5m, the maximum 5cm. The core of 4.5-10m is Sandy and gravel-like with high sand content. The gravel is short columnar with a diameter of 1-4cm and a maximum of 11cm. .	岩1 6.14	N63.5=6,15, 11,51 1.50-1.90 N63.5=15,21, 35,52 3.00-3.40 N63.5=17,28, 42,53 4.50-4.90 N63.5=6,55 6.00-6.14 N63.5=45,53 7.50-7.62 N63.5=48,51 9.00-9.15		600	
	④	10.90	1.00	1638.02		phonolite: Dark ; Moderately weathered, cryptocrystalline structure, massive structure, crack development, cryptocrystalline structure, porous structure, lithology is short columnar, about 5-11 cm long, local fragmentation, particle size 3-4 cm. .	岩2 11.70			1000	
	④	13.00	2.10	1635.92		Volcanic-breccia: Greyish ; Highly weathered, breccia structure, massive structure, fissure development, block structure, porphyry structure, lithology is columnar, 3-18 cm long, up to 35 cm. .	岩3 13.40			600	
	④	20.80	7.80	1628.12		phonolite: Dark ; Moderately weathered, cryptocrystalline structure, massive structure, core mostly columnar, about 5-29cm long, local fragmentation, particle size of 3-5 cm.					1000
	④	24.70	3.90	1624.22		phonolite: Grey ; Slightly oweathered, cryptocrystalline structure, massive structure, complete core, long columnar, up to 74cm long.	岩5 23.76				1500

Column Map of Exploration Hole

No. 1 Total 2

Project		Nairobi JKIA to James Gichuru Road Express Highway Project in Kenya			No.64	Total 71	Coordinates	N = 9857864.89			
Work type					Elevation	1668.27m		E = 257093.91			
Borehole		Z-03			Start	2018.12.04	Meeting Water	未测	m		
Mileage		K12+435.90 0.00			End	2018.12.06	Stable water	4.60	m		
Age	No.	Dep. (m)	Thickness (m)	Elevation (m)	Scale 1:150	Geological Description		Dep. of sample	SPT (blows/30cm)	动探曲线 N63.028.042.0	bearing capacity (kPa)
Q <sub>4</sub> <sup>al</sup>	①	2.10	2.10	1666.17		Miscellaneous-fill: Greyish ; Slightly ; Slightly ; It is mainly composed of clayey soil and a small amount of grit and gravel. The content of gravel is about 4-5%, the particle size is 1-3cm, the maximum is 8cm, and there is a small amount of plant root system in part.			=12 1.15-1.45		
Q <sub>4</sub> <sup>al+pl</sup>	②	3.50	1.40	1664.77				+1 2.60	=15 2.95-3.25 N63.5=13, 18, 35, 51		150
	③	4.00	0.50	1664.27				水1 4.90	4.00-4.43 N63.5=52		250
	④	12.60	8.60	1655.67		Silty-clay: Yellow ; Hard ; The soil is uneven, contains iron nodules, contains a small amount of coarse sand locally, the particle size is 2-3mm, the content is about 10%. The cut surface is slightly glossy, and the dry strength and toughness are medium.		岩1 6.00	5.50-5.58 N63.5=51		400
						tuff: Greyish ; Completely weathered, serious destruction of original rock structure, weathering in sand shape, hand-crushed fragile, clip strong weathering fragments, block diameter 1-3cm.		岩3 9.10	7.00-7.07 N63.5=53		
						tuff: Greyish ; Highly weathered, tuff structure, massive structure, core is columnar, column length 4-21cm, up to 27cm, local rock fragmentation is fragmentary, easy to soften in water, rock soft.		岩5 17.30	8.50-8.59 N63.5=52		
						Phonolite: Brown ; Highly weathered, cryptocrystalline structure, massive structure, uneven weathering, core is mostly fragmentary, block diameter 1-5cm, of which 15.3-18.4m is columnar, column length 5-20cm, partially clipped with weathered rock blocks.		岩4 17.30	10.00-10.08 N63.5=47, 51		
	⑤	21.50	8.90	1646.77		Phonolite: Greyish ; Moderately weathered, cryptocrystalline structure, massive structure. Core is long columnar, columnar length is 9-50cm, local is short columnar.		岩5 22.18	11.50-11.64 N63.5=52		600
	⑥	23.20	1.70	1645.07				岩6 27.30	13.00-13.03 N63.5=48, 53		1000
	⑦								14.50-14.65 N63.5=53		1500

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Column Map of Exploration Hole

No. 2 Total 2

Project		Nairobi JKIA to James Gichuru Road Express Highway Project in Kenya				No.64	Total 71	Coordinates	N = 9857864.89		
Work type						Elevation	1668.27m		E = 257093.91		
Borehole		Z-03				Start	2018.12.04	Meeting Water		未测	m
Mileage		K12+435.90 0.00				End	2018.12.06	Stable water		4.60	m
Age	No.	Dep. (m)	Thickness (m)	Elevation (m)	Scale 1:150	Geological Description		Dep. of sample	SPT (blows/30cm)	动探曲线	bearing capacity (kPa)
N	④	29.60	6.40	1638.67		phonolite: Brown ; Slightly weathered, cryptocrystalline structure, massive structure, core is columnar, columnar length 5-46cm, maximum about 60cm.		岩6 27.30		N=3.028.042.0 	1500

Designed: Xuedong.P

Checked: Gang.L

Date: 2019.01

Column Map of Exploration Hole

No. 1 Total 2

Project		Nairobi JKIA to James Gichuru Road Express Highway Project in Kenya			No.69	Total 71	Coordinates	N = 9859373.95			
Work type					Elevation	1677.46m		E = 256316.93			
Borehole		Z-08			Start	2018.12.05	Meeting Water	未测	m		
Mileage		K14+159.30 右 11.00m			End	2018.12.06	Stable water	4.20	m		
Age	No.	Dep. (m)	Thickness (m)	Elevation (m)	Scale 1:150	Geological Description	Dep. of sample	SPT (blows/30cm)	动探曲线	bearing capacity (kPa)	
Q <sub>4</sub>	①	1.60	1.60	1675.86		Miscellaneous-fill: Brown ; Slightly ; Slightly ; It consists mainly of clayey soil and a small amount of gravel, with a small amount of plant roots.			N63.026.039.0		
N	④	4.70	3.10	1672.76		Volcanic-breccia: Yellow ; Highly weathered, breccia structure, massive structure, rock weathering is serious, cracks are developed, lithology is fragmentary, part of the soil is intercalated with gravel, the maximum particle size of gravel is 5-7cm, easy to disintegrate in water, soft rock.	水1 4.20 岩1 5.00	N63.5-6, 8, 7, 6, 6 3.00-3.50 N63.5-12, 18, 50		400	
	④ <sub>10</sub>	17.10	12.40	1660.36		tuff: Grey ; Moderately weathered, tuffaceous structure, massive structure, cores are mostly columnar, partially fragmented, the maximum column length is more than 1 m, the particle size of fragments is 2-5cm.	岩2 14.73	N63.5-50 6.00-6.08 N63.5-50 7.50-7.59		600	
	④	22.50	5.40	1654.96		tuff: Grey ; Highly weathered, tuffaceous structure, massive structure, developed rock fissures, core is columnar, column length 5-35cm, core surface is rough, easy to crack and fragile.	岩3 20.20	N63.5-17, 17, 21, 19, 24 18.00-18.50 N63.5-50 19.50-19.56 N63.5-50 21.00-21.05 N63.5-50 22.50-22.58 N63.5-50 24.00-24.04 N63.5-50 25.50-25.55 N63.5-50 27.00-27.04		400	
	④										600
	④										600

Designed: Xuedong.P

Checked: Gang.L

Date: 2019.01

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Column Map of Exploration Hole

No. 2 Total 2

Project		Nairobi JKIA to James Gichuru Road Express Highway Project in Kenya			No.69	Total 71	Coordinates	N = 9859373.95		
Work type					Elevation	1677.46m		E = 256316.93		
Borehole	Z-08				Start	2018.12.05	Meeting Water	未测	m	
Mileage	K14+159.30 右 11.00m				End	2018.12.06	Stable water	4.20	m	
Age	No.	Dep. (m)	Thickness (m)	Elevation (m)	Scale 1:150	Geological Description	Dep. of sample	SPT (blows/30cm)	动探曲线 N63.5=50 28.50-28.56 N63.5=50 30.00-30.03 N63.5=50 31.50-31.56	bearing capacity (kPa)
N	④	32.80	10.30	1644.66		Phonolite: Greyish ; Highly weathered, cryptocrystalline structure, massive structure, developed rock fissures, relatively fragmented in fragments, local columnar, fragments size 1-7cm, up to 9cm, the longest column about 20cm.		N63.5=50 28.50-28.56 N63.5=50 30.00-30.03 N63.5=50 31.50-31.56		600
	④	35.70	2.90	1641.76		phonolite: Grey ; Moderately weathered, cryptocrystalline structure, massive structure, developed fissures, core is columnar, column length 5-30cm, the core surface is flat.	岩4 33.80			1000
	④	38.00	2.30	1639.46		phonolite: Dark ; Slightly weathered, cryptocrystalline structure, massive structure, relatively complete core, columnar, column length 20-35cm, smooth core surface.	岩5 37.55			1500

Designed: Xuedong. P

Checked: Gang. L

Date: 2019.01

Column Map of Exploration Hole

No. 1 Total 1

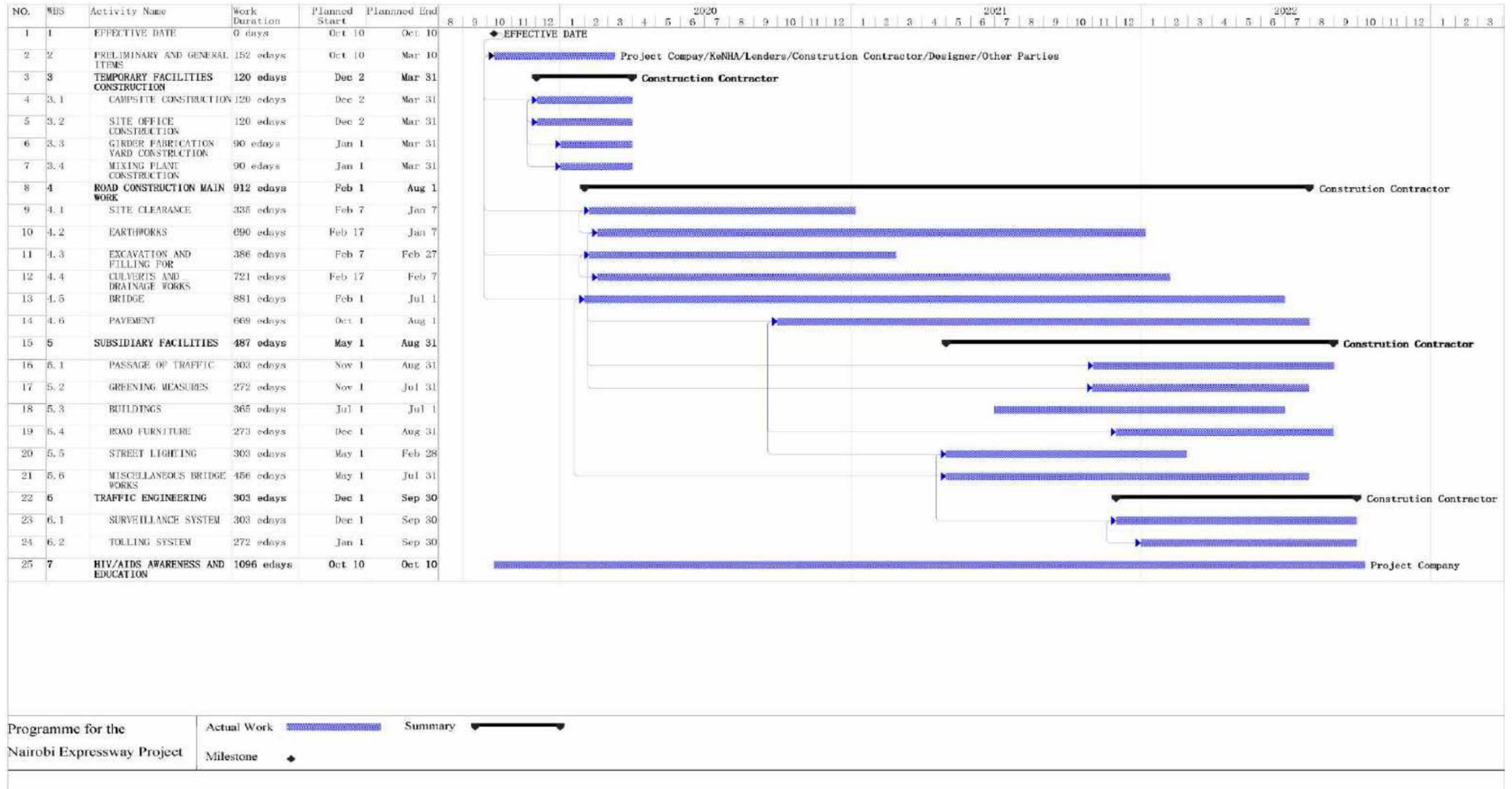
Project		Nairobi JKIA to James Gichuru Road Express Highway Project in Kenya				No.71	Total 71	Coordinates	N = 9861060.10		
Work type						Elevation	1767.01 m		E = 252781.52		
Borehole		Z-10				Start	2018.12.05	Meeting Water	未测	m	
Mileage		K18+312.10 右 11.70m				End	2018.12.06	Stable water	7.30	m	
Age	No.	Dep. (m)	Thickness (m)	Elevation (m)	Scale 1:150	Geological Description		Dep. of sample	SPT (blows/30cm)	动探曲线	bearing capacity (kPa)
Q <sub>4</sub> <sup>al</sup>	①	0.80	0.80	1766.21		Miscellaneous-fill: Brown ; Loose; It is mainly composed of clayey soil and gravel. The content of gravel is about 15%.		+1			
Q <sub>4</sub> <sup>al</sup>	③	3.20	2.40	1763.81		Silty-clay: Brown ; Hard ; The soil is uneven, with a small amount of gravel, and the cut surface is glossy..		+2	=7 1.65-1.95		150
N	④	5.00	1.80	1762.01		Phonolite: Grey ; Highly weathered, cryptocrystalline structure, massive structure, crack development, rock development has more pore, core is columnar, columnar length 3-25cm, up to 35cm.		岩1	=9 3.15-3.45		600
	④	8.30	3.30	1758.71		phonolite: Dark ; Moderately weathered, cryptocrystalline structure, massive structure, crack development, local rock surface contains pore, core is columnar, columnar length 8-35cm.		岩2			1000
	④	12.00	3.70	1755.01		phonolite: Dark ; Slightly weathered, cryptocrystalline structure, massive structure, smooth rock surface, local cracks developed, core is columnar, columnar length 8-35cm.		岩3			1500
									岩5		

## 15.12 ANNEX 12: PROJECT WORK PLAN

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SCHEDULE 10

CONSTRUCTION PROGRAMME



ANNEX 13

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EXPRESSWAY WORKS UTILITY RELOCATION DESCRIPTION

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# 1 PIPE WORKS RELOCATION

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## 1.1 Pre-Construction Utility description

There are water pipelines with associated appurtenances and sewer pipelines including manholes entwining the 24 km road corridor from Mololongo area to the James Gichuru interchange along the A104: Nairobi to Nakuru, Kisumu and Uganda Highway.

These pipelines provide water and sewerage services to the several estates, including the CBD and Commercial centres along the 24km Road Corridor.

## 1.2 Works to be undertaken and methods of construction;

The scope of relocation works is described below:

- The water pipelines to be relocated are approximately 80.3km in length, sizes DN200mm to DN1000mm steel pipes as well as OD25mm to OD160mm HDPE pipes;
- The sewer pipelines to be relocated are approximately 18.9km in length, sizes DN300mm to DN750mm and approximately 325 Manholes.

## 1.3 Earthworks, Drainage and Diversion Activities

Earthworks shall include excavation along the surveyed pipes alignments, stock piling suitable material required for re-use and carting away spoil material.

The excavation method will be mechanical i.e. using excavators. Blasting for rock excavation along the water and sewer alignment is NOT allowed.

The general methodology will entail laying of new water and sewer pipelines, followed by diversion of existing services and finally removal of existing water and sewer pipelines.

## 1.4 Equipment including any machinery and materials to be used;

For the relocation works of water and sewer pipelines, the main equipment and machines to be used include but are not limited to: Excavators (with buckets and hammers), lorries, dampers, concrete mixers, poker vibrators, vehicle mounted with lifting crane etc.

The main materials to be used include: steel pipes, HDPE pipes, concrete pipes, sand, cement, aggregates, steel reinforcement bars, timber e.t.c

## 1.5 Works Coordination and Supervision

The day to day supervision for the relocation of water and sewer pipelines will be carried out by a Consultant engaged by and in close liaison with Athi Water Works Development Authority (AWWDA).

Generally, the supervision will be to ensure that works are carried out in line with the Contract requirements and within the set timelines to allow for smooth execution of the road works.

## **1.6 Workforce**

The Works Contractor will mobilize appropriate staff to implement the relocation works. The staff will be of different disciplines i.e.

- Management: Project and Contract Managers;
- Technical: Engineers, Environmentalists, Sociologist, Health and Safety experts;
- Skilled Labor: Artisans, welders, masons, machine operators;
- Unskilled labor.

## **1.7 Salvage waste pipe Disposal/Use**

A detailed waste management plan for the works will be provided as part of the bigger Construction Environmental and Social Management Plan (CESMP) before commencement of works. Nonetheless, the Contractor will be expected to cart away from site any spoil material and keep the site tidy at all times.

The excavated water pipes will be taken to Nairobi Water and Sewerage Company offices in Industrial area.

The excavated sewer pipes will be disposed as part of the spoil material.

## **1.8 Traffic Management**

Details of traffic management will be provided in the traffic management plan (part of CESMP) to be provided by the relocation works Contractor. The traffic management plan will be prepared in coordination with KeNHA's road works Contractor for synchronization.

## **1.9 Work Schedule**

Detailed Pipework's Project Schedule and Works will be provided later once the Works Contractor is engaged However this has been in the overall project plan (Please refer to the workplan)

## **1.10 Assessment of Wayleave land requirement**

Generally, a corridor of at least 20m for each alignment (existing and proposed) of water and sewer pipeline will be required to enable construction works. Please refer to the existing pipe network map

## 2 Power Line Relocation

---

### 2.1 Assessment of Wayleave land requirement

The project proponent will liaise with KPLC wayleaves office and Design offices to provide the required standards for wayleaves for the different lines. Wayleaves land requirements varies depending on the powerline rating.

### 2.2 Utility Relocation Coordination Responsibility

KENYA POWER AND KENHA will have sole responsibility of coordinating utility relocation

The proposed Nairobi Express Way will interfere with different utilities along the proposed route since most of them are located within the road reserve. KPLC power lines will be affected especially the 66 and 11Kv power lines. Both overhead and underground power line will be affected by the project. It was noted that the proposed roads project would interfere with other infrastructural public utilities already existing along the proposed road corridor/ way leaves such as power lines and water supply network. In Nairobi city most of power line poles and lines are existing in the road corridor. These lines will need to be relocated during the construction of the express way.

Some of the transmission power line especially the 220kv overhead power line to Embakasi substation and 220k from Embakasi substation to City Centre substation should be given proper consideration not to be disrupted or relocated but instead the design of the express way should be done having in mind the two lines not to be disrupted.

### 2.3 Emergency Response Plans

Development of Emergency response plan which will guide in case of an unprecedented powerline disruption or collapse of powerlines. The ERP will have contacts of the KPLC emergency offices for Nairobi area, Fire brigade, Hospitals etc

### 2.4 Responsibilities in Environmental and Social Management

Environmental management and social aspects are very crucial during relocation of the powerlines. Some of the key environmental and social issues associated with relocation of powerline include the following

- Solid waste generations from poles (wooded and Concrete poles)-
  - proper disposal of poles,
  - recovery of poles and transportation to KPLC stores,
  - minimize breakage of concrete poles
  - Construction wastes to be managed in accordance with standards.
  - Scrap metals/ Conductors and other salvaged materials to be disposed/recycled off-site
- Traffic disruption during powerline relocation
  - traffic management by engaging traffic marshals and police,
  - barricading active work sites,
  - provide signages to warn the public on the activities taking place

- Accidents and occupational health hazards – electrocutions
  - adhere to safety clearances provided by KPLC, awareness creation to the public and hazard communication during relocation of powerlines;
  - consult Kenya power before working near or under powerlines to avoid electrocutions
  - Use of signs, barriers and education/ public outreach to prevent public contact with potentially dangerous equipment;
  - Community policing to be encouraged to reduce vandalism of towers
  - Ensure provision and proper use of Personal Protective Equipment (e.g. Safety harness, helmet, dust masks, (e.t.c.)
  - Follow safe work procedures
  - Maintain a fully stocked and accessible first aid kit under trained first aider
  - Observe OSHA 2007 regulations
  - Ensure there is no encroachment on the transmission line wayleave
- Disruptions of power supply to customers
  - Ensure proper power scheduling and timely communication to stakeholders and customers,
  - KPLC to provide liaison
- Open holes
  - immediately back fill the holes left by relocated powerline poles to avoid incidences/ accidents,
  - barricade the area

Note: KPLC will provide contact person/ liaison person to handle all the issues related to power network.

KENHA to provide alternative routing for all affected powerlines

### 3 Stakeholder engagement plan for utility relocation

Stakeholder	Impact - <i>How much does the project impact them? (Low, Medium, High)</i>	Influence - <i>How much influence do they have over the project? (Low, Medium, High)</i>	What is important to the stakeholder?	How could the stakeholder contribute to the project?	How could the stakeholder block the project?	Strategy for engaging the stakeholder
Data cable companies(JTL/Faiba, Safaricom, Liquid Telecom/ Telekom Kenya/Airtel Kenya etc.)	High	High	Acquiring wayleave for relocation of their services.	Ensuring coordination of all services during the relocation works to maximise on availed wayleave.		Workshops prior to commencement of relocation works to agree on modalities and framework for the works for all services.
Kenya Power & Lighting Company	High	High	Acquiring wayleave for relocation of their power transmission lines.	Ensuring coordination of all services during the relocation works to maximise on availed wayleave.		Workshops prior to commencement of relocation works to agree on modalities and framework for the works for all services.
Local Authorities(County Commissioner, Chiefs etc.)	Low	High	Ensuring coordination from all institutions during implementation of the project.	Ensuring coordination from all institutions/stakeholders during implementation of the project.	Stop Order	Monthly discussions and involvement in day to day project activities.
KENHA	High	High	Relocation of services in their provided wayleave	Allocation of adequate wayleave for relocation	Deny permit to relocate infrastructure	Discussions on wayleave

Stakeholder	Impact - <i>How much does the project impact them? (Low, Medium, High)</i>	Influence - <i>How much influence do they have over the project? (Low, Medium, High)</i>	What is important to the stakeholder?	How could the stakeholder contribute to the project?	How could the stakeholder block the project?	Strategy for engaging the stakeholder
				of the water and sewer services.	in the provided wayleave.	modalities and implementation framework for the relocation works for all services prior to commencement.
Nairobi Water and Sewerage Company	High	High	Relocation of existing water and sewerage services	Providing data on the water and sewerage infrastructure that require relocation.	Delays to complete the relocation works in due time	Monthly meetings to discuss progress and day to day site participation to ensure efficient relocation.
County Government of Nairobi	Medium	High	Ensuring all services are relocated to ensure service provision to the residents of Nairobi County.	Ensuring coordination from all institutions/stakeholders during implementation of the project.	Stop Order	Monthly discussions on progress and application of any necessary permits.
Local Community <ul style="list-style-type: none"> <li>• Marketeers</li> <li>• Commuters</li> <li>• Population adjacent to the corridor</li> </ul>	Medium	High	<ul style="list-style-type: none"> <li>• Improves infrastructure for the area</li> <li>• Improve water and sanitation services in their areas.</li> <li>• Community fully engaged</li> </ul>	Influence on acceptance of the project by subjects	Court orders/Stop demonstrations	<ul style="list-style-type: none"> <li>• Public Barazas</li> <li>• Focus group discussions when there is need, feedback</li> <li>• Hold regular Community dialogues</li> <li>• Establishing</li> </ul>

Stakeholder	Impact - <i>How much does the project impact them? (Low, Medium, High)</i>	Influence - <i>How much influence do they have over the project? (Low, Medium, High)</i>	What is important to the stakeholder?	How could the stakeholder contribute to the project?	How could the stakeholder block the project?	Strategy for engaging the stakeholder
						and training Grievance Management Committees
Government of Kenya – Funding Agency	High	High	Execution of the relocation works.	<ul style="list-style-type: none"> <li>• Provides Funds</li> <li>• Sets funding conditions</li> </ul>	Withhold funding requirements are not met	<ul style="list-style-type: none"> <li>• Conduct strategic engagements assessments</li> <li>• Share progress reports.</li> <li>• Constitute working group.</li> </ul>
Kenya Urban Roads Authority	High	High	Relocation of services in accordance with their stipulated guidelines to ensure minimal impact on their roads.	Issuance of road permits to use wayleave or road crossings.	Delays/rejection of required road permits	Application of required permits in due time and processing.
NEMA	Medium	High	Ensure the relocation works do not have a negative impact to the environment.	Issuance of NEMA license for the relocation works.	Delays in commencement of the works without licence.	Application of required permits in due time and processing.
Water Resources Authority	Medium	High	Ensure the relocation works do not have a negative impact to the affected water sources.	Issuance of WRA permit for any relocation works that will require river crossings or wayleave along the riparian	Delays in relocation of the works without permit/ stop orders.	Application of required permits in due time and processing.

Stakeholder	Impact - <i>How much does the project impact them? (Low, Medium, High)</i>	Influence - <i>How much influence do they have over the project? (Low, Medium, High)</i>	What is important to the stakeholder?	How could the stakeholder contribute to the project?	How could the stakeholder block the project?	Strategy for engaging the stakeholder
				reserve of rivers/streams.		
University of Nairobi	High	Medium	<ul style="list-style-type: none"> <li>Minimal encroachment into their land if necessary.</li> <li>Accessibility to services from infrastructure; water/sewer</li> <li>Minimal interference with the institution operations during relocation works.</li> </ul>	<ul style="list-style-type: none"> <li>Issuance of approval for any additional wayleave required by KENHA for relocation of services.</li> <li>Issuance of approval for access for relocation works within their land.</li> <li>Co-operation with other stakeholders; AWWDA to relocate their services within the provided wayleave and bear with minimal interference with their daily operations.</li> </ul>	Court Cases/Orders	<ul style="list-style-type: none"> <li>Stakeholder Meetings.</li> <li>Request for approvals where necessary.</li> </ul>
Museum of Kenya	Medium	Medium	<ul style="list-style-type: none"> <li>Minimal encroachment into their land if necessary.</li> <li>Accessibility to services from</li> </ul>	<ul style="list-style-type: none"> <li>Issuance of approval for any additional wayleave required by KENHA for relocation of</li> </ul>		<ul style="list-style-type: none"> <li>Stakeholder Meetings.</li> <li>Request for approvals where necessary.</li> </ul>

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			infrastructure; water/sewer <ul style="list-style-type: none"> <li>• Minimal interference with the institution operations during relocation works.</li> </ul>	services. <ul style="list-style-type: none"> <li>• Issuance of approval for access for relocation works within their land.</li> <li>• Co-operation with other stakeholders; AWWDA to relocate their services within the provided wayleave and bear with minimal interference with their daily operations.</li> </ul>		
Kenya Broadcasting Corporation	Medium	Medium	<ul style="list-style-type: none"> <li>• Minimal encroachment into their land if necessary.</li> <li>• Accessibility to services from infrastructure; water/sewer</li> <li>• Minimal interference with the institution operations during relocation works.</li> </ul>	<ul style="list-style-type: none"> <li>• Issuance of approval for any additional wayleave required by KENHA for relocation of services.</li> <li>• Issuance of approval for access for relocation works within their land.</li> <li>• Co-operation with other</li> </ul>	Court Cases/Orders	<ul style="list-style-type: none"> <li>• Stakeholder Meetings.</li> <li>• Request for approvals where necessary.</li> </ul>

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				stakeholders; AWWDA to relocate their services within the provided wayleave and bear with minimal interference with their daily operations.		
Hotel Boulevard	High	High	<ul style="list-style-type: none"> <li>• Minimal encroachment into their land if necessary.</li> <li>• Accessibility to services from infrastructure; water/sewer</li> <li>• Minimal interference with the institution operations during relocation works.</li> </ul>	<ul style="list-style-type: none"> <li>• Issuance of approval for any additional wayleave required by KENHA for relocation of services.</li> <li>• Issuance of approval for access for relocation works within their land.</li> <li>• Co-operation with other stakeholders; AWWDA to relocate their services within the provided wayleave and bear with minimal interference with</li> </ul>	Court Cases/Orders	<ul style="list-style-type: none"> <li>• Stakeholder Meetings.</li> <li>• Request for approvals where necessary.</li> </ul>

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				their daily operations.		
Jomo Kenyatta International Airport	Medium	Medium	<ul style="list-style-type: none"> <li>Minimal encroachment into their land if necessary.</li> <li>Accessibility to services from infrastructure; water/sewer</li> <li>Minimal interference with the institution operations during relocation works.</li> </ul>	<ul style="list-style-type: none"> <li>Issuance of approval for any additional wayleave required by KENHA for relocation of services.</li> <li>Issuance of approval for access for relocation works within their land.</li> <li>Co-operation with other stakeholders; AWWDA to relocate their services within the provided wayleave and bear with minimal interference with their daily operations.</li> </ul>	Court Cases/Orders	<ul style="list-style-type: none"> <li>Stakeholder Meetings.</li> <li>Request for approvals where necessary.</li> </ul>
Kenya Railway Golf Club	Medium	Medium	<ul style="list-style-type: none"> <li>Minimal encroachment into their land if necessary.</li> <li>Accessibility to services from</li> </ul>	<ul style="list-style-type: none"> <li>Issuance of approval for any additional wayleave required by KENHA for relocation of</li> </ul>	Court Cases/Orders	<ul style="list-style-type: none"> <li>Stakeholder Meetings.</li> <li>Request for approvals where necessary.</li> </ul>

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Nyayo Stadium – Ministry of Sports, Culture and Heritage.	Medium	Medium	<ul style="list-style-type: none"> <li>• Minimal encroachment into their land if necessary.</li> <li>• Accessibility to services from infrastructure; water/sewer</li> <li>• Minimal interference with the institution operations during relocation works.</li> </ul>	<ul style="list-style-type: none"> <li>• Issuance of approval for any additional wayleave required by KENHA for relocation of services.</li> <li>• Issuance of approval for access for relocation works within their land.</li> <li>• Co-operation with other</li> </ul>	Court Cases/Orders	<ul style="list-style-type: none"> <li>• Stakeholder Meetings.</li> <li>• Request for approvals where necessary.</li> </ul>

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				stakeholders; AWWDA to relocate their services within the provided wayleave and bear with minimal interference with their daily operations.		
Private Developers – Malls, Buildings, Residential Units, Hotels, Business Complexes/Premises etc.	Medium	High	<ul style="list-style-type: none"> <li>• Minimal encroachment into their land if necessary.</li> <li>• Accessibility to services from infrastructure; water/sewer</li> <li>• Minimal interference with their operations and day to day activities during relocation works.</li> </ul>	<ul style="list-style-type: none"> <li>• Issuance of approval for any additional wayleave required by KENHA for relocation of services.</li> <li>• Issuance of approval for access for relocation works within their land.</li> <li>• Co-operation with other stakeholders; AWWDA to relocate their services within the provided wayleave and bear with minimal interference with</li> </ul>	Court Cases/Orders	<ul style="list-style-type: none"> <li>• Stakeholder Meetings.</li> <li>• Request for approvals where necessary.</li> </ul>

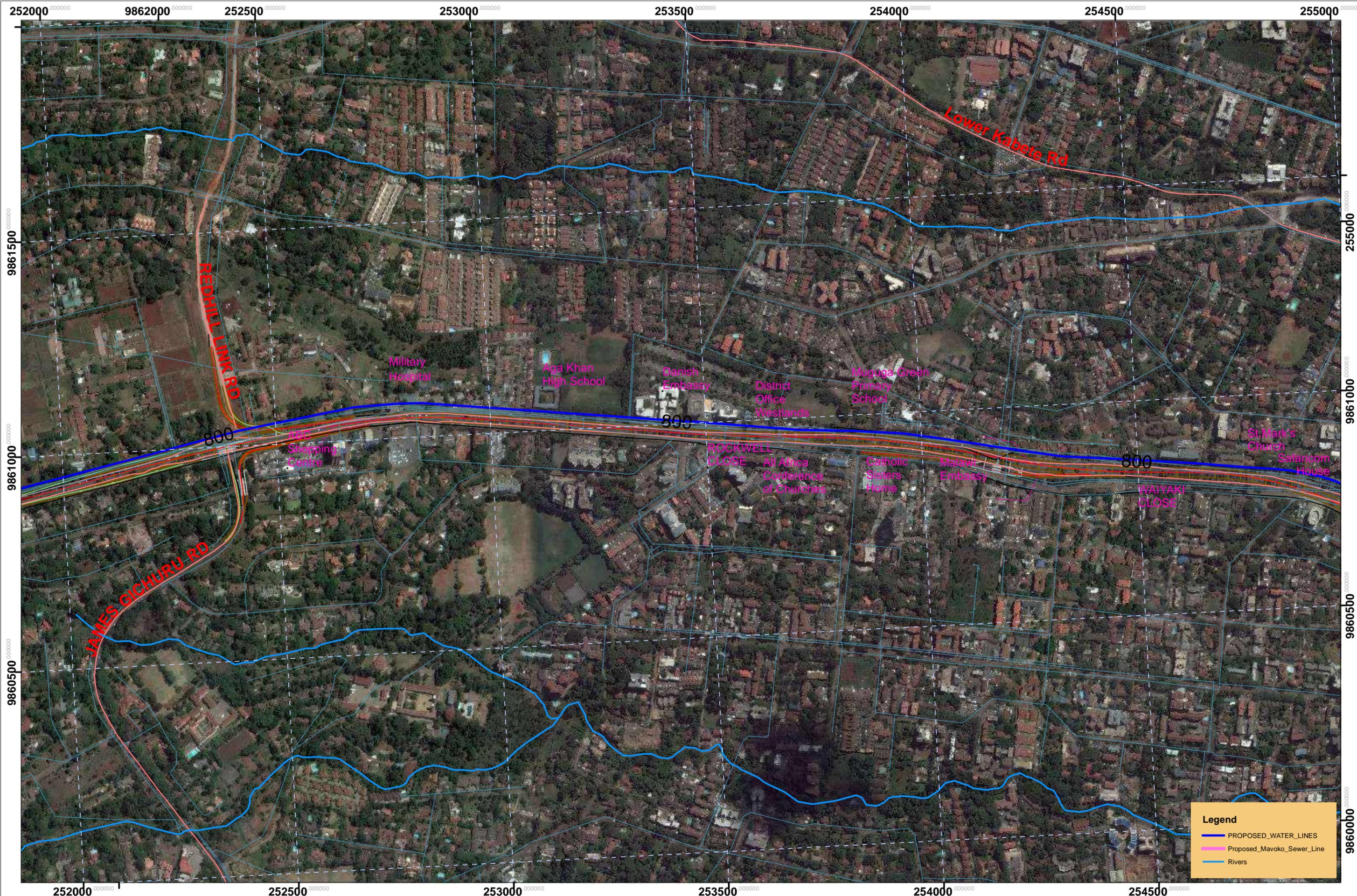
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				their daily operations.		
Matatu Welfare Association	High	Medium	Ensuring traffic disruptions/inconveniences due to relocation works are minimal/mitigated.		Demonstrations/Public unrest.	<ul style="list-style-type: none"> <li>• Public Barazas</li> <li>• Focus group discussions when there is need, feedback</li> <li>• Establishing and training Grievance Management Committees.</li> </ul>
National Construction Authority.	Low	High	Ensuring compliance with construction standards.	Issuance of required construction permits for the relocation works	Stop Order	Application of required approvals in due time and processing.
Gateway Mall			<ul style="list-style-type: none"> <li>• Minimal encroachment into their land if necessary.</li> <li>• Accessibility to services from infrastructure; water/sewer</li> <li>• Minimal interference with their operations and day to day activities during relocation works.</li> </ul>	<ul style="list-style-type: none"> <li>• Issuance of approval for any additional wayleave required by KENHA for relocation of services.</li> <li>• Issuance of approval for access for relocation works within their land.</li> <li>• Co-operation with</li> </ul>	Court Cases/Orders	<ul style="list-style-type: none"> <li>• Stakeholder Meetings.</li> <li>• Request for approvals where necessary.</li> </ul>

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				other stakeholders; AWWDA to relocate their services within the provided wayleave and bear with minimal interference with their daily operations.		
Kenya Police – Traffic Unit			Ensuring traffic disruptions/inconveniences due to relocation works are minimal/mitigated.	Assisting in traffic control to minimize disruption due to works.		<ul style="list-style-type: none"> <li>Stakeholder Meetings.</li> <li>Request for approvals where necessary.</li> </ul>
Kenya Railways Corporation	Medium	High	Minimising interference with Railways infrastructures.	Issuance of required crossing/wayleave railway permits where necessary for the relocation works.	Delay is approval of required permits.	<ul style="list-style-type: none"> <li>Stakeholder Meetings.</li> <li>Request for approvals where necessary.</li> </ul>
St. Pauls Chapel	Medium	High	<ul style="list-style-type: none"> <li>Minimal encroachment into their land if necessary.</li> <li>Accessibility to services from infrastructure; water/sewer</li> <li>Minimal interference</li> </ul>	<ul style="list-style-type: none"> <li>Issuance of approval for any additional wayleave required by KENHA for relocation of services.</li> <li>Issuance of approval for</li> </ul>	Court Cases/Orders	<ul style="list-style-type: none"> <li>Stakeholder Meetings.</li> <li>Request for approvals where necessary.</li> </ul>

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			with their operations and day to day activities during relocation works.	<p>access for relocation works within their land.</p> <ul style="list-style-type: none"> <li>• Co-operation with other stakeholders; AWWDA to relocate their services within the provided wayleave and bear with minimal interference with their daily operations.</li> </ul>		
Uhuru Park – NCCG/NEMA	High	High	Ensure the relocation works do not have a negative impact to the environment around the park.	Issuance of required permits from the various stakeholders for the relocation works within the premises.	Delays in commencement of the works without approvals.	Application of required approvals in due time and processing.
NGO's /CBO's	Low	High	Ensuring community rights are not infringed during implementation of project.	Provide for entry points into the community	Court Orders	Build alliances and work with other NGO's and CBO's
Nairobi Central Business District Association (NCBDA)	High	High				

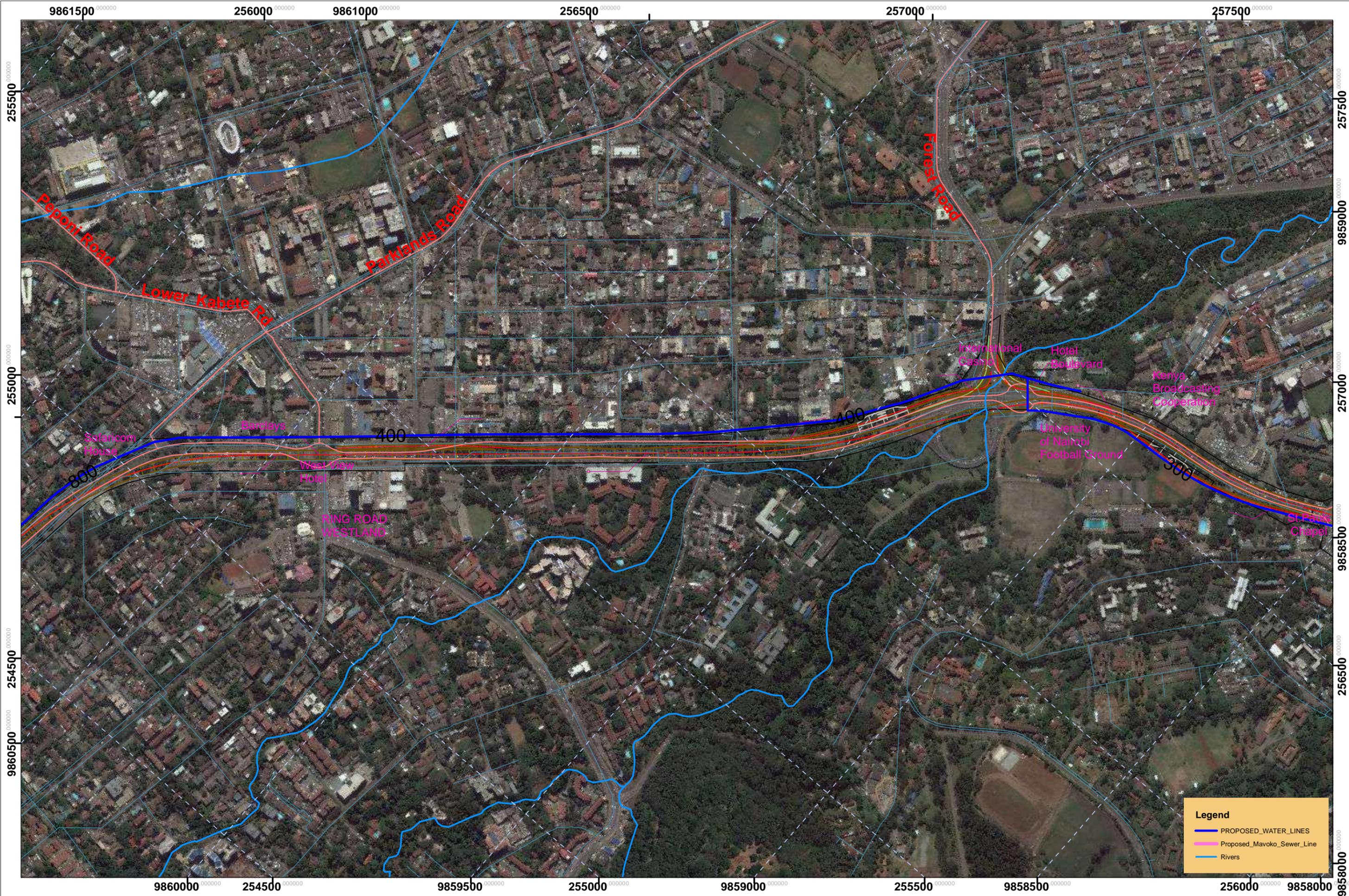
## 4 Nairobi Expressway Water and Sewer Relocation Map

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**Legend**

- PROPOSED\_WATER\_LINES
- Proposed\_Mavoko\_Sewer\_Line
- Rivers



NAIROBI CITY WATER AND SEWERAGE COMPANY,  
PO BOX 30656-00200,  
NAIROBI.

**TITLE:**  
**RELOCATION OF WATER AND SEWER NETWORKS  
ALONG WAIYAKI WAY, UHURU HIGHWAY AND MOMBASA ROAD**

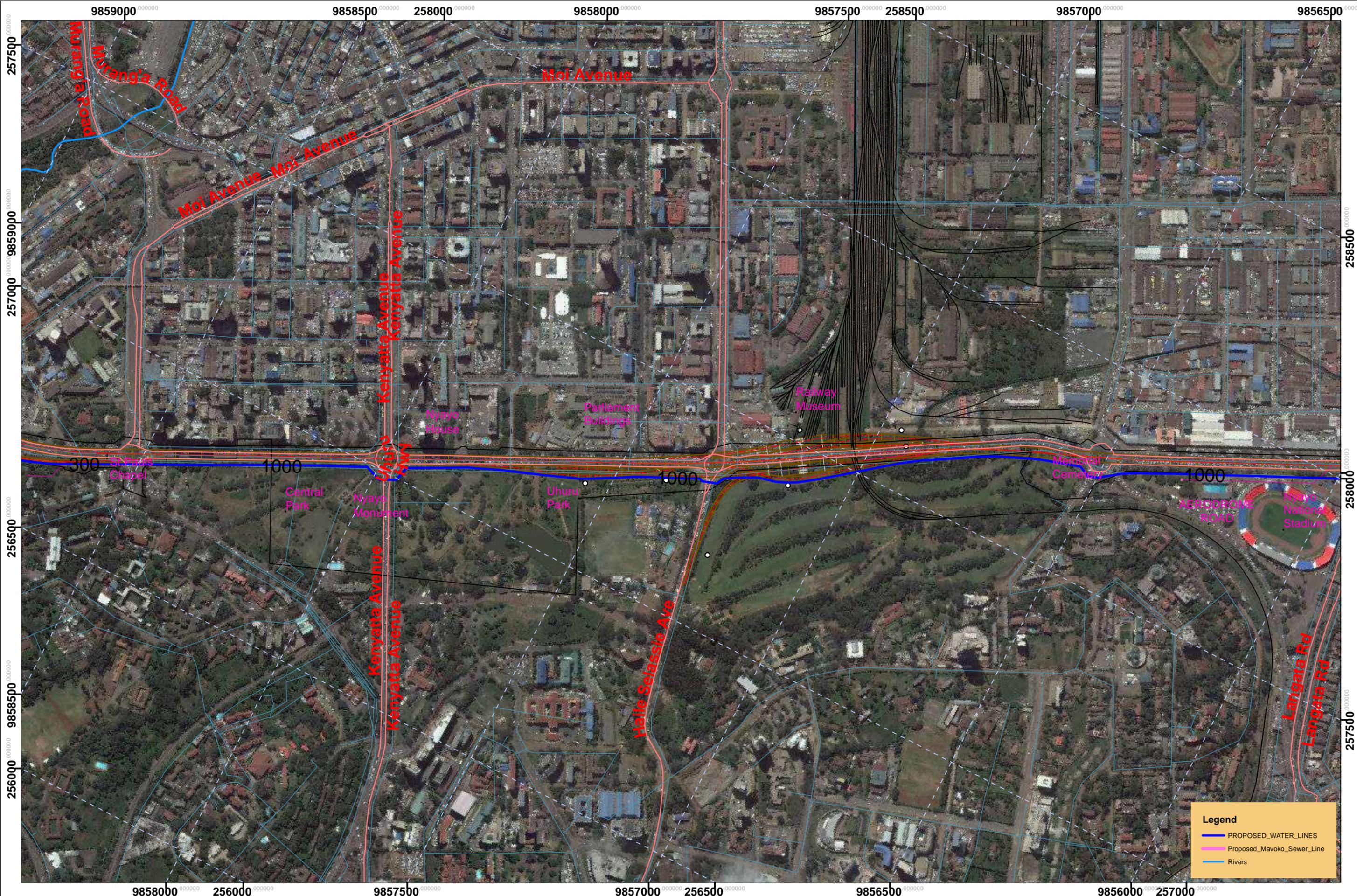
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VERIFIED BY: S.KIMANI SIGN.....

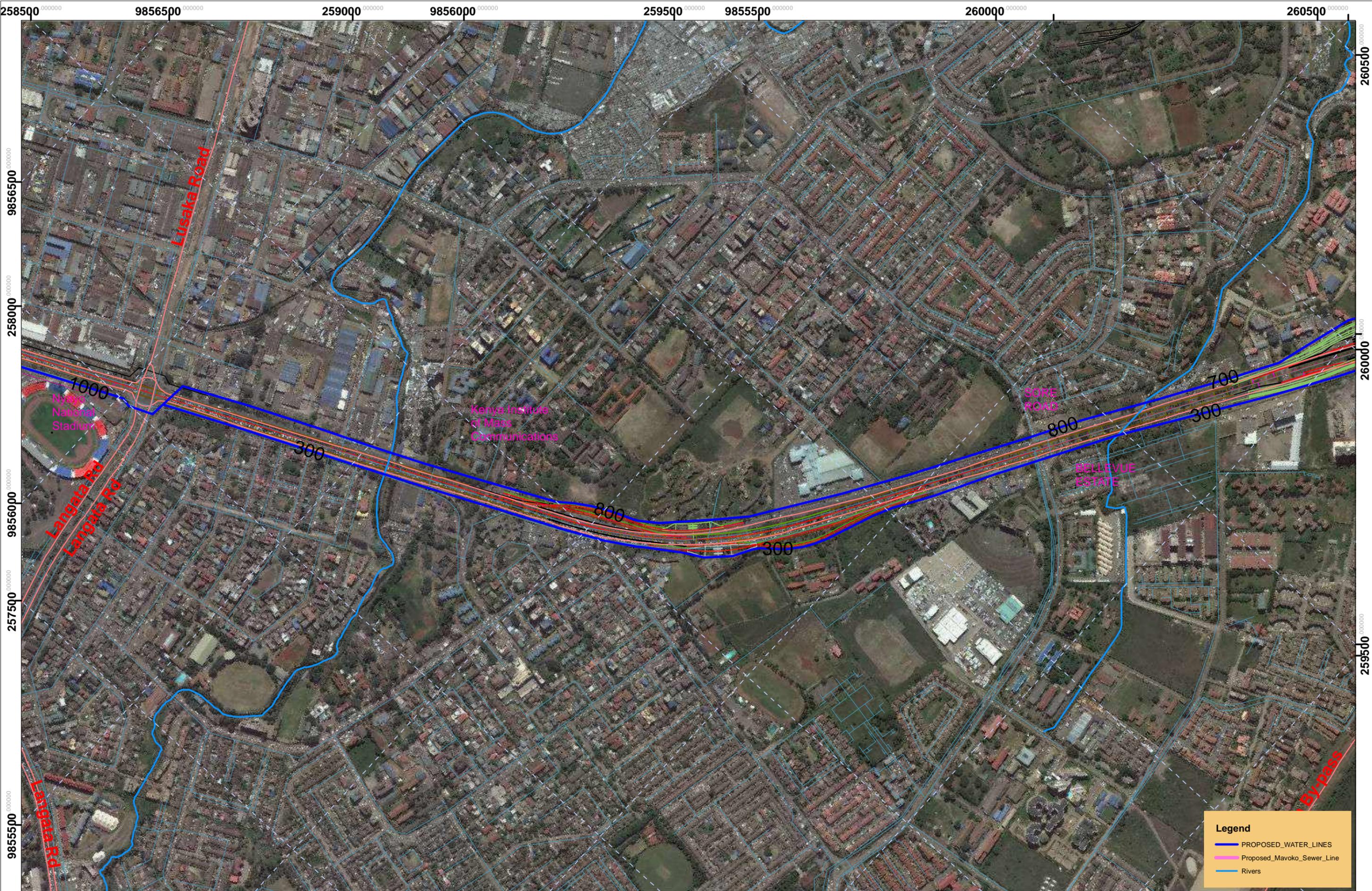
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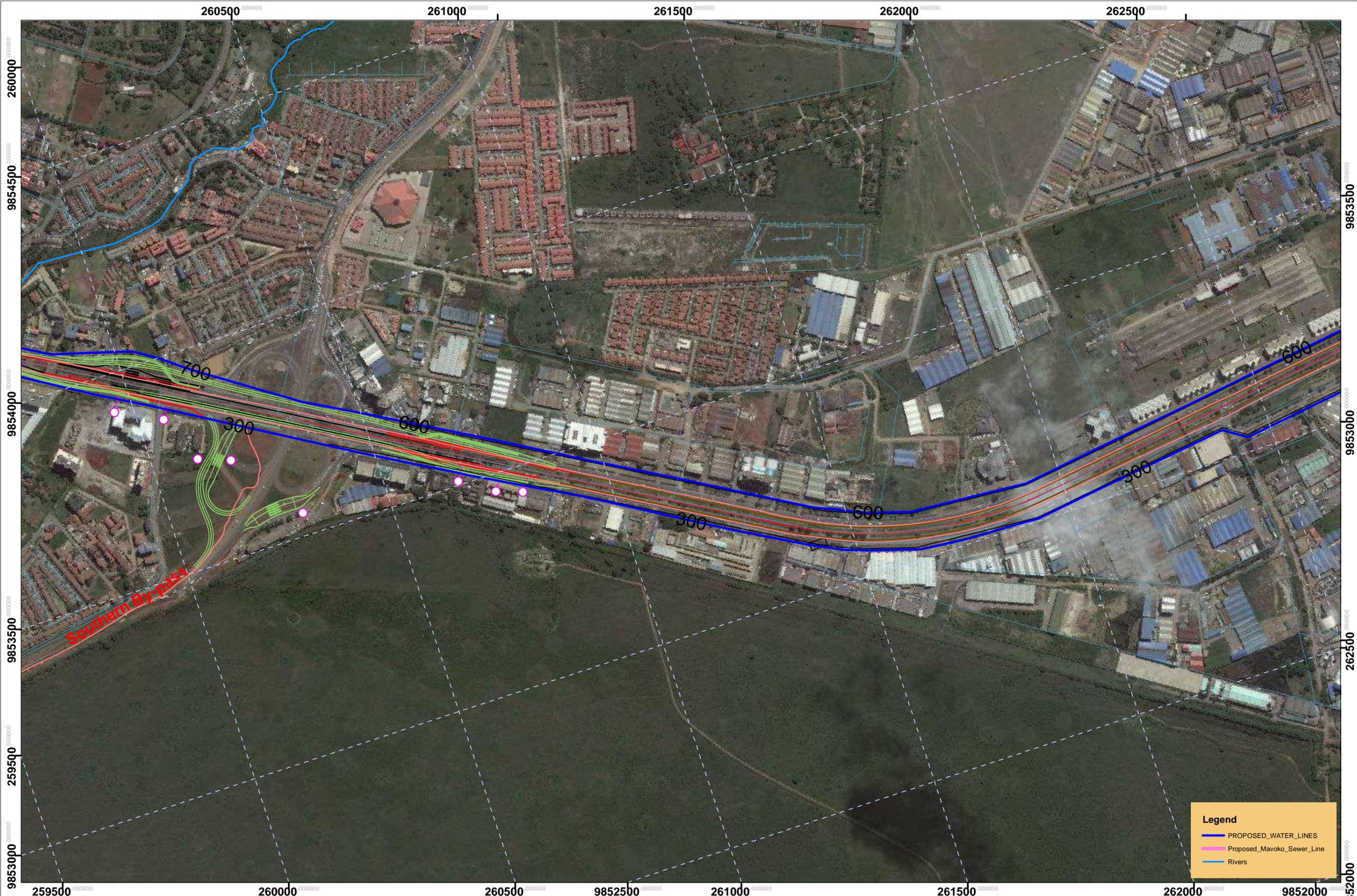




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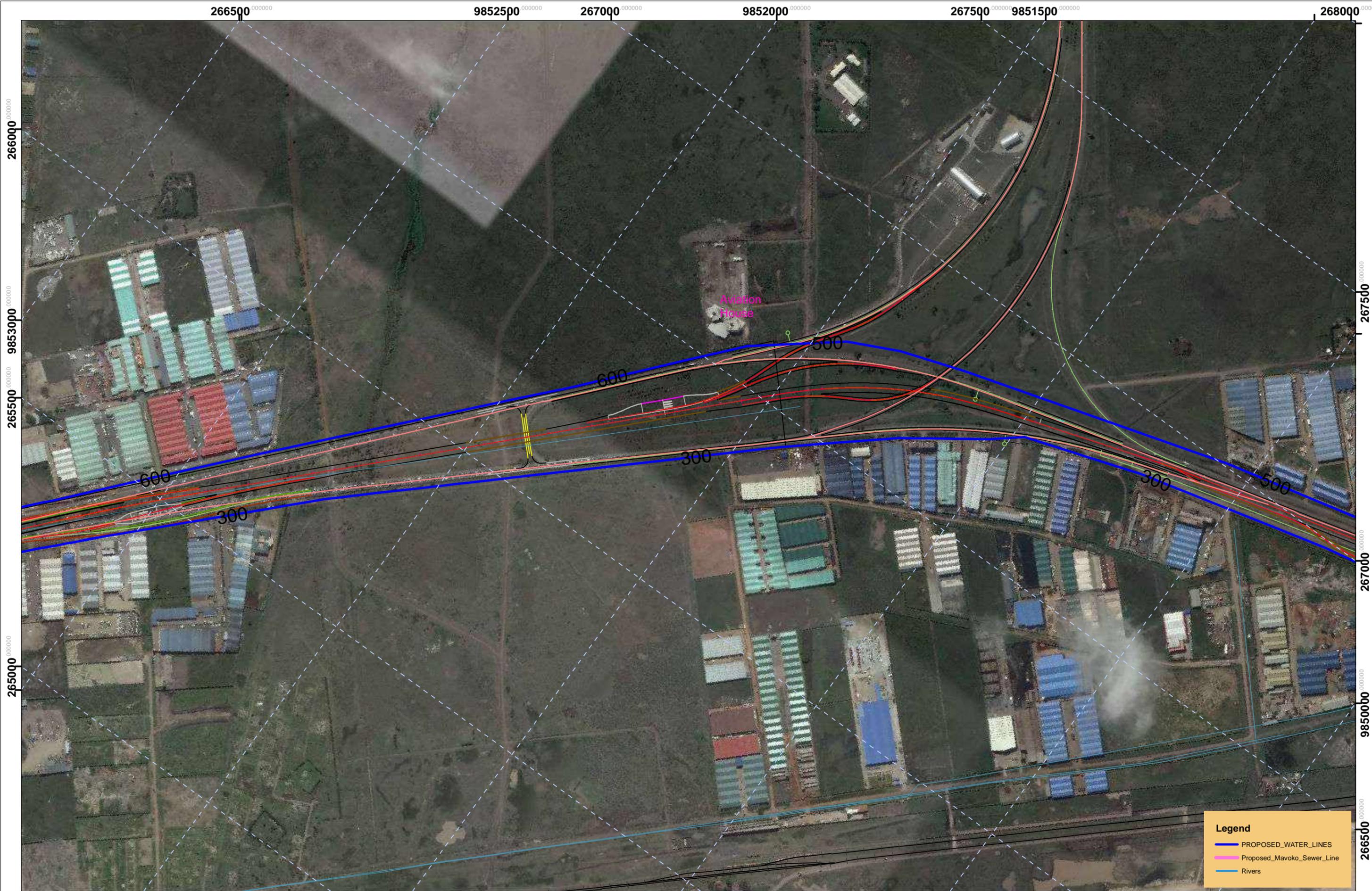
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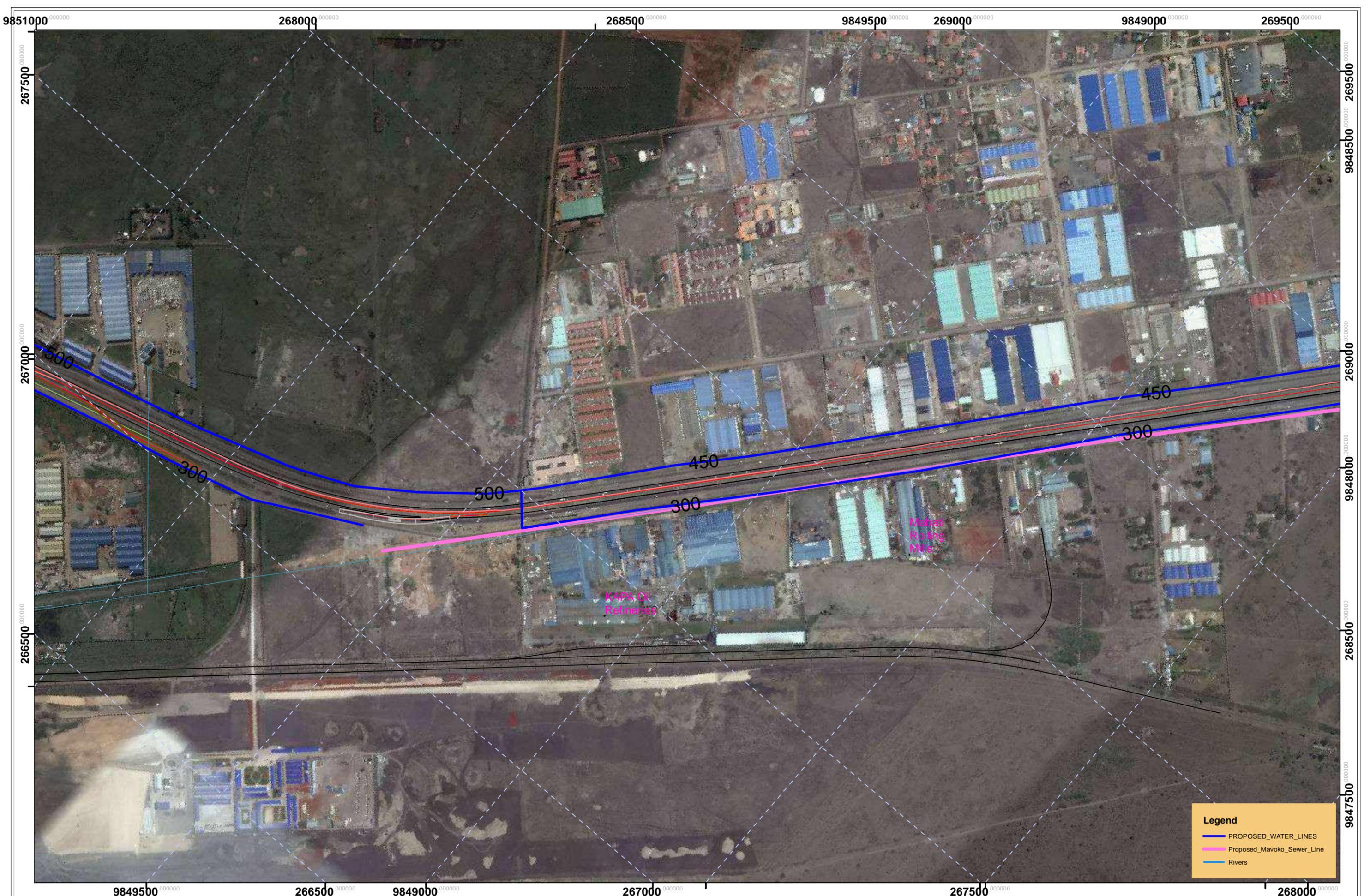
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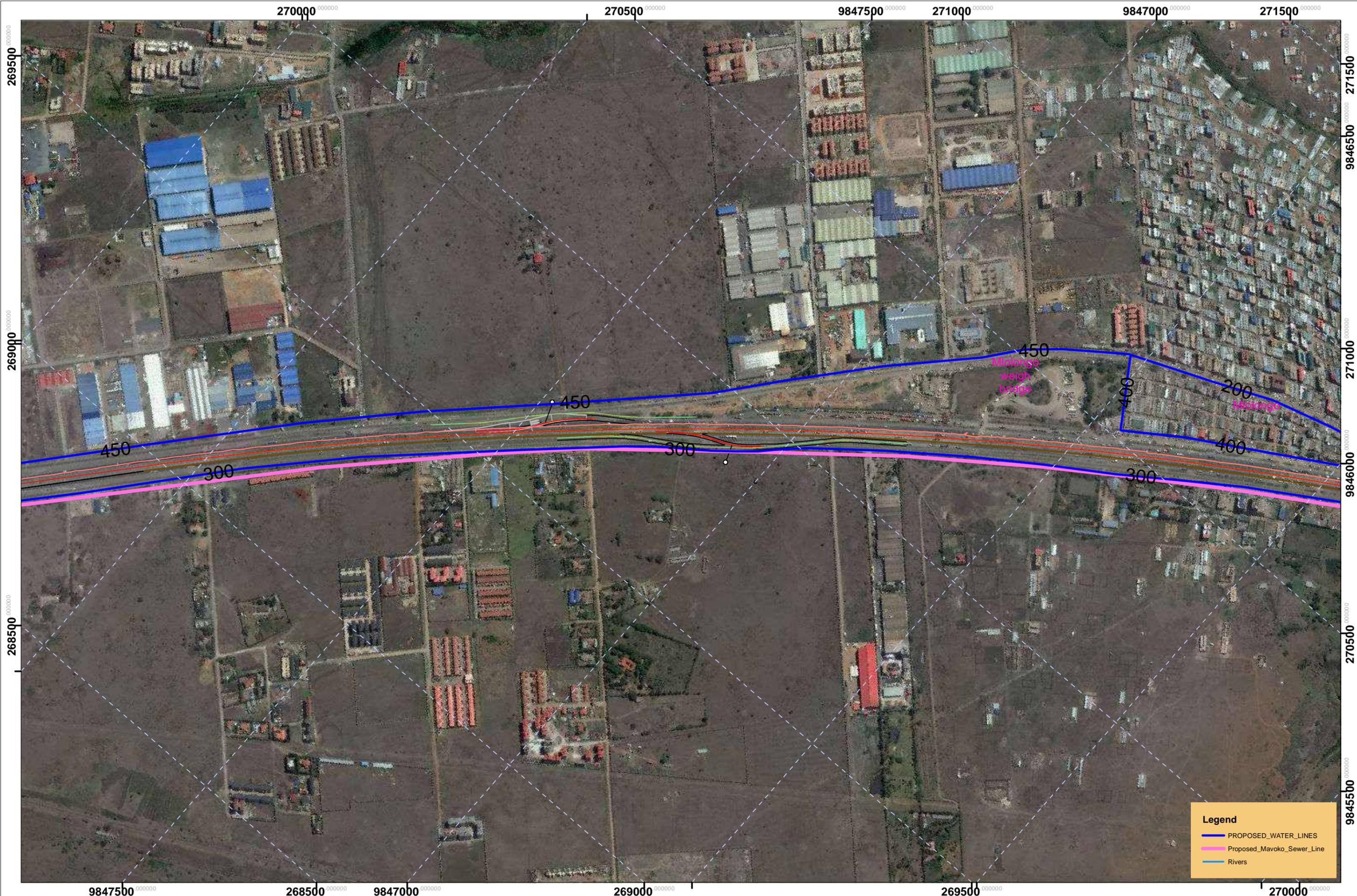
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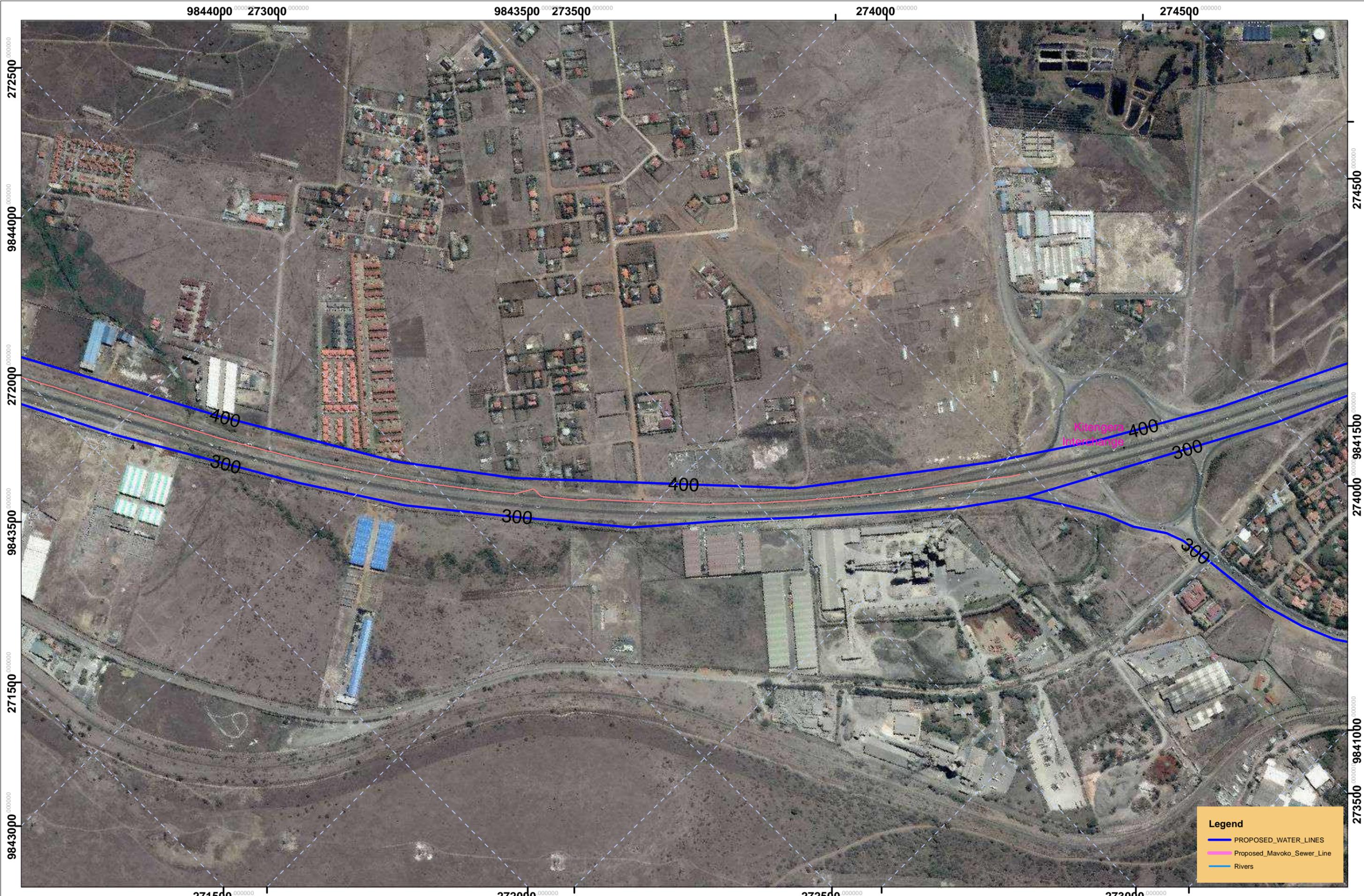
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