

(2) 第二次現地調査

第2回ステークホルダー協議 2010年12月15日(TOR説明)

Report on 2nd stakeholders meeting 18th December 2010

**PREPARATORY SURVEY ON THE PROJECT FOR CONSTRUCTION
OF NILE RIVER BRIDGE IN SOUTHERN SUDAN
Minutes of Meeting for the 2nd Stakeholders Meeting**

Purpose: Explanation of Study Process to the Community and Approval of TOR (Terms of Reference) for the Study based on the Scoping Results

Date: 18th December 2010

Venue: Open space near Khor-Klaliang Bridge, Luluggu

Time: 10:30-12:30

Number of Participants: About 40 including 2 ladies

Chaired by: Mr. Shoji Takeo, JICA Study Team

Opening Speech 10:30-10:35

Mr. Prudensio Wani, Chairman, Luluggu Community

Project Outline: 10:35-10:50

Ms Patricia, Environmentalist, Ministry of Transport and Bridge (MTR), GoSS

Explanation of Procedure for Environmental and Social Consideration: 10:50-11:10

Mr. Shoji Takeo, Social Specialist, JICA Study Team: made explanation based on the handout

Discussion: 11:10-12:30

Mr. Denis Daramollo E, Paramount Chief of Juba County: mentioned that the area between Nile River and Luluggu Street is a community's land approved by the government. If the governments want to take the land, they have to get approval of the project, first of all, from the community and then have to make compensation to either the community or affected people directly.

Mr. Zacharia Kharimis Peter, Administrative Officer, Rajef Payam, stressed the importance of the project for the community development, although minor negative impacts at the very initial stage shall be overcome.

Following questions/requests were raised (reply):

- Explanation by the local Arabic was proposed for better understanding for local

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residents and language has changed into Arabic.

- Who will make compensation? (GoSS)
- Minutes of understanding shall be exchanged between GoSS and Community to protect affected people
- Is railway attached on the bridge? (No)
- Mango trees are compensated
- Farm Land are to be compensated
- Similar public consultation shall be held for the land owners on the east bank
- Grievance redressing committee should be established including members from the communities.

After discussion, finally following declaration was made by the paramount chief:

1. Lulaggu community approved the project, accepting to implementing the study in the site
2. Community will make the final decision to determine the route
3. Community members shall be involved in the members of the compensation committee

Closing remark:

Dr. Kimo Aban Aietbo, Assistant Professor of Economics, College of Social and Economic Studies, University of Juba:

- Emphasizing the importance of protection of community lands

Mr. Moses Gogonya Cosmas, EIA Officer, Ministry of Environment, GoSS

- Woman participation is very important (2 ladies only in this meeting).
- Other organizations such as Ministry of Water Resources, GoSS/CES should be participated

Attachments:

- A. Participants list
- B. Handout
- C. Photos

List of Participants

No.	Name	Title	Organisation	Mobile Phone	Signature
1	Patricia Gibril Ali	Enviromental Officer	MTR GOSS		
2	Moses Gogonya Cosmas	E/A Officer	MOE GOSS		
3	Dorina Keji Zachariah	G/S Officer	MOE GOSS		
4	Zacharia Khamis Peter	Adminstrative Officer	Rajaf Payam		
5	Methodius Emilliano	Secretary Lologo Comm.	DRWD/CES/JUBA		
6	Preduensio Wani Tombe	Chairman L.Comm.	Lologo-JUBA		
7	Peter Wani Jafa		Lologo.Comm		
8	Kiyotaka Tamari	Project Formulation Advisor	JICA		
9	Alsoshi Nashimoto	Associate Reintegration	UNHCR		
10	Thomas Lokor		Lologo.Comm		
11	Gabriel Edward		Lologo.Comm		
12	Campeio Jada		Lologo.Comm		
13	Gabriel Lada		Lologo.Comm		
14	Yokwe Jugu		Lologo.Comm		
15	Simon Jada		Lologo.Comm		
16	Tom Mokawi		Lologo.Comm		
17	Marcel Ladu		Lologo.Comm		
18	Akim Ali		Lologo.Comm		
19	Richard Keny		Lologo.Comm		
20	Denis Doramollo F	Paramount Chief	Juba County		
21	Fadul Issa		Lologo.Comm		
22	Faustil Lege		Lologo.Comm		
23	Samir Mofi		Lologo.Comm		
24	Conscano Gone		Lologo.Comm		
25	Morris Bangwe		Lologo.Comm		
26	Jerabio Tangur		Lologo.Comm		
27	Jemesa Sowka		Lologo.Comm		
28	Emanuel Ladu		Lologo.Comm		
29	Phillip Wani		Lologo.Comm		
30	Paul Lado	Enviromental Officer	Rajaf East		
31	Emmanuel Halo Andrea	Teacher	Rajaf East		
32	Leone Ladu		Lologo.Comm		
33	Stephen Wer		Lologo.Comm		
34	Dr. Kimo A. Adiebo	Assistant Prof. Economics	Juba University		
35	Daniel Fado B	Chief Gumbo a/Coast	Gumbo		
36	Peter Duku Wani	MP	CESLA		

No.	Name	Title	Organization	Mobile Phone	Signature
1	Kalyica Gibal Ali	Environmental Officer	MTR Tross		
2	Mores Guganya Cosmas	EIA officer	MDE GOSS		
3	Dorinda Kely Zachariah	GIS Officer	MDE GOSS		
4	Zacharia Khamsis Peter	Administrative Officer	Raja payam		
5	Methodius Emilliano	Secretary Luluggu Com	DRWS/CEST/Juba		
6	Indransia Wani Tombe	Chairman L. Comm.	Luluggu - Juba		
7	Peter Wani Jada		Lokoga Juba		
8	Kiyotaka Tamari	Project Formulation Mission	JICA		
9	ATSUSHI NASHIMOTO	Assetate Reintegration Officer	UNHCR		
10	THOMAS LOKO R		LULUGGU		
11	Juan-Edmundo		Luluggu		
12	Gabriel Edmond		Lokoga		
13	Campeio Jada		LULUGGU		
14	Gabriel Lada		Lokoga		
15	Yokwe Yugu		Luluggu		
16	Siston Jada		Lokoga		
17	ION MOKAWI		Lokoga		
18	Malcelo Lada		Lokoga		
19	Akim Ali		Lokoga		
20	Richard Henry		Lokoga		
21	Dennis Doremlia F.	Provment Chief	Juba County		

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No.	Name	Title	Organization	Mobile Phone	Signature
22	Fadiah LISA		Lolago		
23	Fausti lege		Lolago		
24	Samir mady lego		Lolago		
25	Christiano gane		Lolago		
26	Maria Bouruna		Lolago		
27	Jenabio Tangun		"		
28	JEMESA Sawka		"		
29	Emmanuel Aa Lachs		Lolago		
30	PHILIP WIANI				
31	Paul Lado		Lolago Lolago		
32	Paul hadu	Environmental Officer	Repat East -		
33	Emmanuel hadu huan	Teacher	Repat East		
34	LPONE Ladda		Lolago		
35	CHPER huan		Lolago		
36	Dr. Rino A. Achibio	Assistant Prof Economics	University of Jember		
37	Chief, Nessel Paul B	Chief, Lumban/H/S	Lumban		
38	Potes Duku Klani	MP	CESLA		
39					
40					
41					
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Report on 2nd stakeholders meeting 18th December 2010
PREPARATORY SURVEY ON THE PROJECT FOR
CONSTRUCTION OF NILE RIVER BRIDGE
IN SOUTHERN SUDAN



Handout for the 2nd stakeholders meeting
18th December 2010

1. Introduction

Purposes of the stakeholders meeting are:

1. To explain the project to affected people
2. To explain the procedure of environmental and social considerations

2. Outlines of the project

Study Name: PREPARATORY SURVEY ON THE PROJECT FOR CONSTRUCTION OF NILE RIVER BRIDGE IN SOUTHERN SUDAN

Proponents: Ministry of Transport and Roads, GOSS
Ministry of Physical Infrastructure, CES

Study Fund: Japan International Cooperation Agency

Study Firm: CTI Engineering International Co., Ltd.
Eight-Japan Engineering Consultants, Inc.

Components: a bridge 550-700m in length and 2km access roads respectively on both banks

Construction Period: 3 years from October 2012



Figure 1 Location of Study Area



Report on 2nd stakeholders meeting 18th December 2010
PREPARATORY SURVEY ON THE PROJECT FOR
CONSTRUCTION OF NILE RIVER BRIDGE
IN SOUTHERN SUDAN



3. Procedures for Environmental and Social Considerations

3.1 Project Impacts Prediction

- **Positive impacts**
 - ✓ For community:
 - Economic benefit: employment, roadside business, hike of properties values
 - Convenience: access to downtown, promotion of infrastructure preparation such as piped water/electricity
 - ✓ For Juba County:
 - Mitigation to traffic congestion and air pollution in downtown
 - Acceleration of land development resulting in regional economic growth
 - ✓ For GoSS/CES:
 - Empowerment of international / inter-state transportation ability resulting in economic growth
 - ✓ For Globe
 - Reduction of green house gas emission by the smooth traffic
- **Negative impacts**
 - ✓ For community:
 - Resettlement of residential houses and agricultural sources
 - Pollution problem such as dust rising from passing heavy vehicles, tentative river water contamination during bridge construction
 - Safety problem during and after bridge construction
 - Hygiene Problem including HIV/AIDS
 - Impact to natural environment is negligible/unknown

Please see attached screening table for details.

3.2 Mitigation Measures Planning

- **Resettlement**
 - ✓ For people to be displaced
 - Consultation with affected people
 - Replaceable prices to regain for the lost assets including land, houses, valuable trees etc
 - Additional assistances necessary to regain the pre project life level and livelihood such as provision of the land, job training, micro loan etc.
 - Proper planning to preparation of group resettlement site if needed
 - ✓ For natural environment
 - Interview to the residents about existing species
 - ✓ For pollution
 - Prepare proper environmental management plan
 - ✓ For safety problem
 - Prepare proper safety management plan
 - ✓ For Hygiene problem
 - Prepare proper hygiene management plan

4. Project Information

For detailed information, please contact:

- Mr. Otim Bong: Ministry of Transport and Roads: 0955234086

Table Results of Screening

	Item	Category	Remark
Social Environment	1 Involuntary resettlement	A	By the land acquisition with a width of 30m ROW, about 60 households (240 people ²) may have to move out of ROW. However, impacts are considered to be not so serious since: (1) most houses can "set-back" just outside of ROW with moving distances at most about 100m only in the maximum to open space; (2) then, their life environment would not change; and (3) the site are already being rezoned by CES, by which proper resettlement is scheduled.
	2 Local economies, such as employment, livelihood, etc.	D	Employment of local residents will be promoted by the construction work. Also increased are the sales of goods of kiosks and agricultural product, as are same after operation period.
	3 Land use and utilization of local resources	B	By the construction of new road, present open spaces are fully utilized. Existing houses randomly situated will be properly realigned as per rezoning scheme. Impacts to small gardens along the river are minimized by compensated or provision with equivalent or more productive lands. Mango trees are compensated.
	4 Social institutions such as social infrastructure and local decision-making institutions.	C	By the construction of roads/bridges the social institutions (e.g. school, market, churches, etc.) become more easily accessible, although some inconvenience may be predicted during construction. Traditional authorities are empowered by the economic benefit.
	5 Existing social infrastructures and services	B	During construction, some social services such as public buses may be affected. However by proper construction management plan including traffic control and provision of detour, such impacts can be minimized.
	6 Poor, indigenous or ethnic people	B	Previously, a refugee camp of UNHCR is located 150m south of proposed access and is scheduled to be moved out within 2010 or soon or later. Apart from the camp, there may be several returned soldiers or refugees scattered at the site and may have to move out. However by proper resettlement planning including provision of free land, their life levels are improved.
	7 Misdistribution of benefits and damages	D	The compensation is provided based on the replaceable prices only and there is no chance that "somebody wins or other people lost". Life levels are basically same for ordinary people except for very poor landless of whom life levels are improved.
	8 Cultural Heritage	D	There is no cultural heritages.
	9 Local conflicts of interest	D	No conflict of interest shall arise.
	10 Usage of Water and Water Right	B	Present wells in ROW to be removed shall be replaced.
	11 Accident	B	Accidents are very common at construction. However by preparing a proper construction and traffic management plan, it is possible to minimize impact.
	12 Sanitation	B	Although kitchen sanitary wastes can be generated from workers' camp, environmental impacts can be minimized by proper treatment.
	Natural Environment	13 Infectious diseases such as HIV/AIDS	B
14 Topography and Geology		D	There is no valuable topography/geology around.
15 Soil Erosion		D	Surface water, previously randomly overflowed can be controlled by the side ditch along the road and the soil erosion will be minimized.
16 Groundwater		D	There no work as would shut the groundwater flow or no large scale pumping of ground water.
17 Hydraulic Situation		C	By the installation of embankment piers, flooded area can be widen. Hydraulic survey is proposed to minimize this impact.
18 Coastal Zone		D	There is no coastal zone.
19 Fauna, Flora and Biodiversity		B	There is no rare space around the site. Although the bushes will be cleared including cash/fruits trees.
20 Meteorology		D	The project will not influence the climate condition.
21 Landscape		D	Landscape is not impacted.
22 Global Warming		D	Generation of global warming gas is reduced due to the reduction of consumption of fuel through smoother traffic flow as a result of the project.
Pollution	23 Air Pollution	C	May tentatively cause some air pollution during construction period. However, it will be reduced due to smoother traffic after operation.
	24 Water Contamination	B	The construction of abutments piers in the river, some turbid water may be generated temporarily. It can be minimized through the selection of the suitable construction method.
	25 Soil pollution	B	Fuel can be leaked into the ground from storage/heavy equipment. Countermeasures for fuel leak can minimize impact.
	26 Waste	D	Some construction waste can be generated although their impact can be minimized through proper construction plan.
	27 Noise and vibration	B	May tentatively cause some noise/vibration by equipments during construction period. However, it will be reduced due to smoother traffic after operation.
	28 Ground Subsidence	D	There is no thick, very soft ground that will cause long term subsidence of ground surface.
	29 Odor	B	May tentatively cause some air pollution by equipments during construction period. However, it will be reduced due to smoother traffic after operation.
	30 Bottom Sediment	D	No pollutant will be generated that will cause contamination of river bottom.

- A. Negative Impact Serious
 B. Negative Impact Slight
 C. Extent of impact is unknown at this stage or limited negative impact only
 D. No negative impact is expected or positive impact

Report on 2nd stakeholders meeting 18th December 2010



Sign to the venue



Overall view of venue under the tree



Display at the venue



Presentation of alternative routes



Opening speech by Lologo Chief



Attendants from the community

Pictures of the 2nd Public Consultation

(3) 第三次現地調査

グループ協議（農民） 2011年2月24-25日

Report on group discussion with farmers 25 February 2011

Minutes of Meeting

Subject: Compensation for Possible Damages to Crops caused by Passing of Crawler Crane through the Farm

Location: Riverside on Lologo Village

Participants (Attendants list attached):

- Mr. Felix Wani, Road Engineer, MTR
- Mr. Michael Francis, Vice Director of Payam Rajef
- Mr. Zakeo Pitia, Sub-chief of Lologo Village
- Affected farmers: 11 persons on 24th and 23 persons on 25th February 2011
- Drillers
- JICA Study Team

Summary of discussion

1. On 23rd February 2011, the drilling team tried to carry their drilling rig by a crawler crane (2m width) through crops farm land. farmers stopped entering the crawler since they were afraid their crops, which are their only livelihood, are disturbed, unable to harvest.
2. On 24th February 2011, the 1st farmers' meeting was held. Mr. Michael stressed the importance of the construction of new bridge and farmers agreed the project, except the issues of damages to their crops. Then, it was proposed to determine if farmers agree to let the crane pass through their farm land. However, since some of the affected farmers were absent, farmers claimed this decision shall be made following days.
3. On 25th February, the 2nd farmers' was held and they concluded that the crane can pass their farm land in case compensation are made. Based on the inspection by farmers and other participants made, compensation bellow table were agreed, to be paid within 25th or 26th February. Representative of MTR, as the project owner, informed them to pay after reporting to Mr. Otim, MTR.

Types of damages	Number of farmers	Compensation required (SGD/farmer)	Amount (SDG)
Crops	9	400	3,600
Seeding ground	6	200	1,200
Total	15	-	4,800

4. Afterward, MTR decided not to pay the compensation and entering to the farm land was suspended.

Report on group discussion with farmers 25 February 2011



Drilling rig trying to enter into field



Rig is carried by mini crawler crane
(Note the width is 2m only)



Proposed location of drilling



Nearby farm being cultivated



Sweet cone



Okura

Report on group discussion with farmers 25 February 2011



Cassava



Green vegetable



11 ladies from affected farmers also participated the meeting on 25th February 2011



Inspecting the possible damages to the crops by passing of crawler crane,
25th February 2011




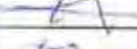


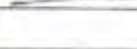
- 4 Feb 2011

No.	Name	Title	Organization	Mobile Phone	Signature
1	Paolino doggale	on pension	Non		
2	Panderson Umani	on pension	Uelugge		
3	Marchello Iadu	on pension			
4	Michael Francis	AI Director L.P.A.M.			
5	YUZO MIZOTA	Bridge Engineer	JICA		
6	SHOTI TAKEO	Environmental Specialist	-		
7	Attayit Ramysipaibam	Geotechnical Engineer	-		
8	Zacharie Khams Peter	Admin/Officer	L.G		
9	Scopers Boro	Worker of Bridge	JICA		
10	Louvenace Pitia	Student	Non		
11	JOSEPH TABAN	Worker of Bridge	JICA		
12	ANTONY IGMBE	on pension	Non		
13	PHILLIP KIANI	on pension	Non		
14	KILLSON SWAKA	on pension	Non		
15	JOSEPH LEGGE	on pension	Non		
16	COMPEE JADA	on pension	Non		
17	ALIS PONI MURI	on pension	Non		
18	JACKSON KENYI	Post Graduate	Non		
19	CONCIANO GORE	on pension	Non		
20	Rajimondo GORE	on pension	Non		
21					

25 Feb 2011

No.	Name	Title	Organization	Mobile Phone	Signature
1	PRADENSIO KIANI	ON PENSION	NAM		
2	PETER KIANI	"	NAM		
3	PEREMING DOGGAGE	"	"		
4	RICHARD KENYI	"	"		
5	MAMICHEL FRANS	Actm officer of local	"		
6	LAWRANCE PITIA	ON PENSION	"		
7	ALIBINA KAKIA	"	"		
8	ANTONIJ TOMIRE	"	"		
9	JACKSON KENYI	Post graduate	"		
10	ZACHARIA	Director of Admin Aff	"		
11	AGNIS PONI	on pension	"		
12	LILIANI PONI	"	"		
13	PETER LEGGE	"	"		
14	ELDAI KIDEN	"	"		
15	Attaput Rang si nai baan	Geotechnical Engineer	SECO		
16	MARCELLO LINDU	ON PENSION	"		
17	ZAKEO PITIA	Sub CHIEF	"		
18	STEPHEN Younger	ON PENSION	"		
19	PHILIP KIANI	"	"		
20	EVELINA NENE	"	"		
21	LUCIA PONI	"	"		

Report on group discussion participants 25, 26th Feb 2014

No.	Name	Title	Organization	Mobile Phone	Signature
22	ALIS PONI	ON PENSION	NOT		
23	SP STEPHEN YOUNG	ON PENSION	ASST		
24	EMMANUEL LOPEZ	ON PENSION	NOT		
25	SEDONIA PONI	ON PENSION	NOT		
26	CELECINA PURU	ON PENSION	NOT		
27	MARY PUA	ON PENSION	NOT		
28	CHRISTINA JIGI	ON PENSION	NOT		
29	SHOJI TAKEO	Environmental Sp	JICA		
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AFFECTED AREAS ON AGRI LAND

No.	Name	Title	Organization	Mobile Phone	Signature
1	PHILLIPA WANI	ON PENSION			
2	ALICE PONI	"			
3	METHEDIO TONGUN	"			
4	ZAKEU PIIA	"			
5	ALBINA KAKA	"			
6	EVELINA NENE	"			
7	EMILIO LORO	"			
8	PETER WANI	"			
9	EMMANUEL PIIA	"			
10	RICHARD PIIA	"			
11	ANTONY TOMBE	"			
12					
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Minutes of Meeting held on 27 February 2011

27th Feb. 2011

**PREPARATORY SURVEY ON THE PROJECT FOR CONSTRUCTION
OF NILE RIVER BRIDGE IN SOUTHERN SUDAN**

Minutes of Meeting for the 3rd Stakeholders Meeting
3rd Stakeholders Meeting on Environmental/Social Survey and Declaration of Cut-Off-Day

Purpose: Declaration of Cut-Off-Day

Date: 27th December 2010

Venue: Near Lologo bridge off lologo street

Time: 15.00-8:00

Number of Participants: About 165 including 27 ladies

Chaired by: Mr. Michael Francis, Deputy Director Rejaf Payam

Prayers

- General introduction of the study team and government representatives
- Stating out the agenda/objectives of the meeting
- Overview of the road project by Engineer Otim MTR
- Formation of Committee: The committee will be composed CES, GOSS and community members. The committee will be charged with;
- Analysis of the assets affected which has been quantified by the engineers
- Community members will have a chance to be employed. The chief will identify community to work for the project.

Project Requirements

The contractors will require a workman's camp, water supply and other facilities that will remain for the community once the project is completed

Question Time

Question 1 How do we know if we are affected or not

Ans. Survey studies are ongoing and not yet complete. It will be determine during the final alignment. As per the governments zoning procedures Lologo is classified as 4th class. Under this class buildings are made of temporary, materials and are under payam administration. Plots affected by the project area will be identified for compensation and presented to the committee and Payam commissioner. For open land the committee value rates of the plots as it appreciates (farmland, mangoes, agriculture forestry etc). The development is for country and the community

Question 2 Will government allocate land for PAP's identified in the assessment within the same the same payam

Answer by Chief Wani. Quarter council south no survey so far. But it is ongoing. The numbers of households that fall within the right of way are more in Lologo as compared to Rejaf East

Remark by chairman Lologo south quarter council – The compensation amount should include relocation cost to the new identified places. There is no need for giving money as compensation instead it should be house for house. Compensation should be calculated as per the existing market rates. The new relocation areas should have access to police station, water, schools and medical centres. The compensation exercise should also be carried with dignity.

Response to the remarks: The plots to be compensated will be allocated with reference numbers and identified properly with details. Access to the new relocation area will depend on the existing plan of that area.

Question 3 For how long will displacement demolition take place?

Answer The demolition will only take place for the Juba Bridge and access road project. Adequate time will be given for the PAPS relocation as soon as the alignment is determined.

Question 4 Lologo East has never been demarcated unlike south and west lologo where land and surveyed and plots allocated. what will happen to the houses that lie within the proposed road reserve. We suggest that Lologo East be given special attention.

Answer Michael Francis , Payam Administrator

The interim constitution recognizes that land belongs to the community. Write to the payam and request land to be registered and surveyed and the exercise will be carried with the communities.

Question 5 There is word going round that the alignment of the road is targeting a few people, please clarify.

Answer by Eng Otim That statement is totally false and the alignment depends on the design.

Question 6 What will happen if the government refuses to compensate or rejects the project

What will happen in cases where the road dissects a 20m by 20m plot? How will that be handled? Will the compensation focus on the design of the affected house?

Answer Anybody who has stayed in the country for three years becomes a resident. PAPS will be identified after the final alignment is out and they will be handled by the commissioner. Consultation will also be done with the chief to get consent for the project. All the Members of the PAPS will be consulted.

Remark by Mary (The only lady to speak)

Allocation of new land for PAPS should not be given for double ownership plots. Occupants without allotment letters should be given special considerations.

Grave yard issue

For the grave yards with the road corridor the chief with community leaders will organize prayers and memorial service for the deceased

Question 8 Are there standard approved rates for compensation?

Answer by Michael Payam administrator Compensation for trees and farmlands will be as per guidelines from ministry of agriculture. Compensation for house and other assets will as per guidelines from MOPI and CES

Closing Remarks

Meeting has adapted an approach in consultative meeting. A committee will be formed. photographs for records will be taken for the present status of the PAPS assets and developments.

Declaration of Cutt-Off-Day

The meeting declared 27th February 2011 as the Cut-Off-date

LIST OF PARTICIPANTS (KEY PARTICIPANTS)

	Name	Designation	Tel. No
1	Olim Bong	Deputy Director, Urban Roads, MTR, GOSS	
2	Ms Patricia Gibril Ali	Environmental Officer, MTR, GOSS	
3	Eng. Felix Wani	Road Engineer, MTR, GOSS	
4	Michael Francis K.	Deputy Director, Rajaf Payam	
5	Eng. Roman Margkul Lukak	Director of Roads and Bridges, MOPI, CES	
6	Zacharia Khamis	Administration Officer, Rajaf Payam	
7	Zakayo Pitia	Sub-Chief, Lologo	
8	Prudensio Wani	Chairman, Lukugu	
9	Mary Kideri	Community Officer, world Vision	
10	Deny Arem Nyok	Director of Logistics, SPLA	
11	Mr. Richard Taban	Southern Sudan TV Reporter	
12	Jay Peter	Teacher, Ministry of Education, Juba	
13	Peter Duku Wani	M.P, CESLA	
14	Marko Edward Logel	Radio Presnter, Bakhita Radio 91FM	
15	Kiyatoka Tamari	Project Formulation Advisor, Southern Sudan Office, JICA ,	
16	Dr. Gose Shingo	JICA Study Team Members	
17	Dr. Jovito Santos		
18	Mr. Mizoto Yuzo		
19	Mr. Shoji Takeo		

NB: Further participants are listed below

Minutes of Meeting held on 27 February 2011



Officials from GOSS who attended the meeting. They included



JICA Study Team members showing the location map of the proposed bridge and road to the meeting participants.



A section of the participants. A total of 165 community members attended the meeting.



A section of women who attended the meeting. There was a total of 22 women who attended the gathering.



A participant asks question



Mr. Otim Bong, Deputy Director, Urban Roads, Ministry of Transport and Roads, GOSS, responds to questions from community members who attended the meeting.



The owns the state-of-the-bungalow near the project road at Lologo, enquires from GOSS officials and JICA Team Members if his already constructed building will be affected (*see photo below*). The building is situated just a few meters from the 100m road reserve, and therefore not affected.



The bungalow with stone wall, razor wire protected stones perimeter wall.

Minutes of Meeting held on 27 February 2011



Mrs. Mary Kiden, a community officer in Lologo enquires about resettlement procedures for the community members who will be affected.



Majority of the building situated in Lologo and Gumbo, are made of clay walls, plastered with cement, and iron sheet roofs.

List of Participants, 3rd Stakeholders Meetings held in Lologo.

27th February 2012

3rd STAKEHOLDER MEETING JUKA MILE BRIDGE PROJECT













No.	Name	Title	Organization	Mobile Phone	Signature
1	HAROUS ATIMES	ENVIRONMENTALIST	CTI/NORKEN/JICA		[Signature]
2	JOSEPH NAUNGU	ENVIRONMENTALIST	CTI/NORKEN/JICA		[Signature]
3	Patricia Gabriel M.	"	MTR/PMT		[Signature]
4	Jovito Santos	JICA Study Member	CTI		[Signature]
5	GOSE Shingo	"	"		[Signature]
6	EDUARDO GILMA	"	NORKEN		[Signature]
7	Cosmas Wani	Treasurer Comm. member	Lologo Community		[Signature]
8	Wilson Susks	Community member	"		[Signature]
9	Marcelo Wani	"	"		[Signature]
10	Philipo Pitis Peter	"	"		[Signature]
11	Gabriel Lado	"	Lologo		[Signature]
12	STEVEN WEN	"	Lologo		[Signature]
13	USPEP KALL	"	Lologo		[Signature]
14	STEVEN LUKO	"	Lologo		[Signature]
15	ALPHONSE DUPARI	R/A INTERMEDIATION	Lologo B II south side		[Signature]
16	NICHOLAS DARIU	Community Member	Lologo Community		[Signature]
17	Richard Taban	SSIV/Reporter	Lologo		[Signature]
18	Santa A. PAUL	Community Member	Lologo South		[Signature]
19	AWAR MAC AYOL M	police	Lologo South		[Signature]
20	MAGOK HOL [unclear]	police	Lologo South		[Signature]
21	KO CE MICHAEL	Building	Lologo South		[Signature]

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No.	Name	Title	Organization	Mobile Phone	Signature
22	Rose Kiaten Gabu	Agri	Community L.		[Signature]
23	KEMUCI Lebang Ladu	Lab. Pendidikan	ST. HEB		[Signature]
24	DUKUN SUKOTIE JANDA	SECRETARY Lelohos	TEACHER		[Signature]
25	MARY KIDEM	Commodity Officer	World Vision		[Signature]
26	TABAN FRANCIS	Community Member	Lo logo Community		[Signature]
27	MAJOK CHUL (F)	"	"		M.I
28	ABRAM NYAL (F)	"	"		[Signature]
29	LENGBOL NGAL (F)	"	"		L.N
30	BANGY YOL GAA (F)	"	"		D.Y.G
31	MORET ACHICK (F)	"	"		M.A
32	MARY AKU (F)	"	"		M.A
33	ALEK ATEM (F)	"	"		A.A
34	MARTHA BUOL (F)	"	"		M.B
35	PRISCILLA ASING (F)	"	"		P.A
36	RACHEL YONG (F)	"	"		P.Y
37	M EMMANUEL DIEI DARIO	"	"		[Signature]
38	M SAMUEL LADU SANTU	"	"		[Signature]
39	M JAMES PHILIP	"	"		[Signature]
40	M JIND LAND	"	"		[Signature]
41	GEORGE BOSS EVERING	"	"		[Signature]
42	John wani penetry	Community member	Lo logo Community		[Signature]

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No.	Name	Title	Organization	Mobile Phone	Signature
43	Y.A.R. MARWACH (F)	Community member	Lologo Community		Y.M
44	NYVAL KOR (m)	"	"		
45	ANEI KIL NJAK	"	"		
46	ARGASTINE LADU JADA	"	"		
47	JUSTINE LADU EDWARDS	LT	"		
48	PITCIP WANI	"	"		
49	Emmanuel Ladu	"	"		
50	Benito Loro	"	"		
51	Gabriel Jada	"	"		
52	Richard Pitia	"	"		
53	Bernaya Moku	"	"		
54	MARIN KSET	"	"		
55	Joseline Legge	"	"		
56	Stephen Younga	"	"		
57	Mohamed Erota	"	"		
58	Denise Wani	"	"		
59	Robert Modi	"	"		
60	Pitico Pitia	"	"		
61	Monis Bangua	Sub-Chief	Sub Chief		
62	Samuel Madkin	community member	Lologo		
63	Aciok Ngetha	Resident Col. of Dia	SSPS		
64	James Abonic	Resident			
65		Police Lologo C.E.S			

66. Compeo Laku	"	"	
67. James Alem	"	"	
68. Marcello Ladu Lami	"	"	
69. James Ladu Solomon	"	"	
70. REV. JOKIM ABENYI MALUK	"	"	
71. JOSEPH KADEN	"	"	
72. SAMUEL MORRIS	"	"	
73. Atanasio Wami	"	"	
74. Charles homuzem Pitia	"	"	
75. James Iba Kenyi	"	"	
76. ADAM AYOK	"	"	
77. Agnes Michael (F)	"	"	
78. Lucia Kesi (F)	"	"	
79. Rosalia Kaku (F)	"	"	
80. Agnes pari (F)	"	"	
81. Cecilia Wami (F)	"	"	
82. Richard Kenyi	"	"	
83. Mary list (F)	"	"	
84. Rebecca sgauu (F)	"	"	
85. Nambol Nyach. (F)	"	"	
86. Atoum Aluwany (F)	"	"	
87. Roda Alem (F)	"	"	
88. Peter Henry	"	"	

3rd STAKEHOLDER MEETING FOR JUSA NILE PROJECT

No.	Name	Title	Organization	Mobile Phone	Signature
22	Kiyotaka Tamari	Project Foundation Director	JICA		[Signature]
23	MICHAEL FATHIUS H.	M. BUREAU FOR	RESEARCH - DAM		[Signature]
24	Zachariah Khamis	Advisor / Officer	Report program		[Signature]
25	ina Roman Marthinus Lohar	Director of Road/land	Directorate Road/land		[Signature]
26	M. Theodorus Em. Khamis	Secretary / Manager	ARUSA RES / Inba		[Signature]
27	SEPH JOK	Hydrologist	0955 372895		[Signature]
28	Wahid Khamis	Hydrologist			[Signature]
29	Yuzo MIYATA	Engineer	Study Team of JICA		[Signature]
30	Takeo SHOI	Environmentalist	- do -		[Signature]
31	OTIM BONG	Deputy Director, Urban RA	HRD - Cross		[Signature]
32	TOLUX WANI	Engineer	"		[Signature]
33	Peter Duan Wani	M.P. CESA	CEOLA		[Signature]
34	Prudensio Wani	Chairman	Luhugya		[Signature]
35	Sokiri Luponi Samuel	Chair / Logos - D-C	Logos South D-C		[Signature]
36	[Handwritten]	[Handwritten]	[Handwritten]		[Signature]
37	[Handwritten]	[Handwritten]	[Handwritten]		[Signature]
38	Valery DUBIN	Env. Director	EES - 1144		[Signature]
39	Simon Jorda	Sub/Chief	Logos		[Signature]
40	Quintus peter hodu	Palace man	Logos South		[Signature]
41	Simon Leeka Nure	Administrative officer	M. Local Gov. CES		[Signature]
42	BEJU ADEM NYOR	DIRECTOR OF LOGOS	S P I A		[Signature]

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[Handwritten notes]

Minutes of Meeting held on 27 February 2011

No.	Name	Title	Organization	Mobile Phone	Signature
43	Bar-erian/Kes	0911 989592			Rou
44	Veronika Krejce	0911 989599			RHT
45	Raimon Tam	0912571285			RHT
46	Joseph Reye	Block maker	Loligo		John
47	Joseph Jirog	SPLA	SPLA		John
48	Bernardin Lodu	DRIVERS	KIT		John
49	Philip Juvate	Culture & Imprest	SES		Philip
50	Ginamal Sute	-	-		John
51	Jay Peter	Teacher	Ministry Education		John
52	Charles Kestu Tombe		Technical		John
53	Julia John Pio	-	Loligo Centre		John
54	Radger Sute				
55	Mat. Sulaiman Bode	security officer	SPLA		John
56	Michael Winiaro		JOSS		John
57	Marko Edward Loyel	Radio presenter	Bahita Radio 91.5FM		John
58	Joel Loda	-	-		John
59					
60					
61					
62					

	NAMES	TITLE	TEL	SNG.
89	Domino Gore	community member		CP
90	Eliyah Biar Kreta	"		CP
91	Re Moses Chol bal Deng	"		CP
92	Suzan peter (F)	"		CP
93	David Tababal	"		CP
94	Jina Luril (F)	"		CP
95	Mary peter (F)	"		CP
96	Deng Well (F)	"		CP
97	Achel Magur Nyang (F)	"		CP
98	Aluyal Well	"		
99	Kuei Garang			
100	Nyduil catkust (F)			
101	Mary puat (F)			
102	Aluel Atem (F)			
103	Nyanolit Incal (F)			
104	Achel Hassen (F)			
105	List Badri (F)			
105	Rebecca Abut (F)			
106	Jackson Orrek Paul	"		
107	Jacob Ladu Severino			

	NAME	TITLE	TEL	SIG.
89	Cosimo Goye	community member		CSG
90	Eliyah Biar Knet	"		CSG
91	Re Moses chol bal Deng	"		CSG
92	Suzan peter (F)	"		CSG
93	David Takabal	"		CSG
94	Jina Luril (F)	"		CSG
95	Mary peter (F)	"		CSG
96	Deng Well (F)	"		CSG
97	Achel Magur Nyang (F)	"		CSG
98	Aluyal Well	"		
99	Kuei Garang			
100	Nyduwit catkuat (F)			
101	Mary puat (F)			
102	Aluel Atem (F)			
103	Nyanolite Heel (F)			
104	Achel Hassen (F)			
105	List. Badri (F)			
105	Rebecca Abut (F)			
106	Jackson Orrek paul	"		
107	Jacob Ladu Severino			

Result of Joint-Site Reconnaissance

Date: 4th March 2011 (Saturday)

Location: Lologo Village (west bank)

Time: 9:00-14:00

Participants:

- GOSS
 - Felix Wani, Road Engineer, MTR
 - Abdalla Wani, Pollutant Control Officer, MOE
 - Moses Gogonya,
- CES:
 - Anthony Peter Swaka, Senior Divisional Engineer, Directorate of Housing and Construction, MOPI
 - Justin Pere Dilla, Town Planning Division, Directorate of Land and Town Planning, MOPI
 - Adelmo Augustiso Laku, Senior Surveyor, Directorate of Survey, MOPI
- Community
 - Prudencio Wani, Chairman of Lologo Community
 - Affected peoples
- Study Team
 - Shingo Gose, Team Leader
 - Yuzo Mizota, Bridge Engineer
 - Tetsuro Izawa, Road Engineer
 - Takeo Shoji, Social Specialist
 - Mitsue Umiguchi, Environmental Specialist
 - Shuichi Nishi, Cost Estimation
 - Shuichi Mori, Hydrologist,

Activities

- Identification of ROW and affected structures/trees by installed pegs and drawing
- Confirmation that all development activities within ROW be suspended
- Identification economic activities (farming, brick drying, shops)
- Interview to affected people
- Affected people are agreed to move out of ROW after proper compensation be made to them

PREPARATORY, CONSTRUCTION OF NILE RIVER BRIDGE IN JUBA, SOUTHERN SUDAN.

STAKEHOLDERS MEETING IN GUMBO ON 17th MARCH 2011.

Purpose: Explanation of study process to the Gumbo area community members.

Date: 17th March 2011.

Venue: Open space near River Nile at Gumbo, along the project alignment area.

Time: 12:00 noon to 1:30pm

Number of Participants: 60 including 27 ladies

Chaired by: Mr. Dimitri Lakomori, Gumbo Community Member

Opening Speech and Project Outline: 11:50 am 12:15pm

Mr. Felix, Officer with MTR, GOSS explained to the participants about the alignment of the proposed project road and bridge using the project site aerial map. He indicated the areas where the road will traverse, where the bridge will be constructed. He indicated on the map and physically pointing the possible areas which will be affected within 30metres road alignment.

Question from Mr. Mr. Dimitri Lakomori, Gumbo Community Leader.

As the elder of Gumbo Community (next to sub-chief), he expressed his and community members' agreement with the project. However, it is true that the new development will attract other forms of development within Gumbo, especially encroachment of land grabbers upon Gumbo due to the presence of a new access road and new bridge. How will the GOSS or MTR address the issue?

Answer from Mr. Felix, Officer with MTR, GOSS

The GOSS is aware of possible post-project developments and such individuals who will unlawfully or illegally come and settle within Gumbo during construction or operation of the new bridge will be dealt with by the Government.

Question about the existing graves within Gumbo which might be affected by the project.

Answer from Mr. Felix

Graves shall be excavated, bodies (or bones) exhumed and shifted to another locations fully in accordance with the customs of the community. Expenses which will incur during exhuming and relocation of the remains to new graves will be met by the Ministry of Transport and Roads (MTR). The Ministry has already agreed on the issue.

Question: *During the construction of the old Nile Bridge, the money which was given to the affected community by then was so little, just like chicken feed!. Are we going to have the same problem for the new proposed bride?*

Answer from Mr. Felix

The situation has changed and compensation will be done with accordance with results from area assets inventory survey and corresponding the current market value of the affected property.

Question: *The project will affect some farms. How will the issue be addressed to avoid damage of farming areas?*

Answer from Mr. Felix

Alternative garden shall be provided, by ploughing near the open space and bringing fertile soil from original place. Compensations will be made if they could not harvest crops.

Closing Remarks

Mr. Shoji thanked all those who attended the meeting and approval of the project. He explained to them once the survey preparatory work is over commencement of the second phase of the project should not take long. He requested the community to cooperate with the other stakeholders in implementing.



Mr. Shoji and Mr. Dimitri Lakomori community leader, Gumbo, Community Leader, Gumbo, showing the community the road and bridge alignment map.



A section of the people who attended the meeting.



Women who attended the meeting.



A participant asks questions..

Source: Consultant Team, Juba, 2011.

STAKEHOLDERS MEETING FOR THE PROPOSED JUBA NILE BRIDGE PROJECT.

Gumbet

17th March 2011

No	Name	Designation/Occupation	Organization	Mobile Phone No.	Signature
1	Joseph Lege Abadi	CEPER	South Sudanese		<i>[Signature]</i>
2	STEPHEN SWININ	Local resident	NONE		
3	Healy Labi	M			
4	Vice				
5	MOSES				
6	Remoniel	Legge			
7	Takrook	Milki			
8	Gabriel	Labi			
9	Jubon	Milki			
10	Richard	English			
11	Yaku	Juba			
12	Richard	Kenya			
13	Praxis	Kenya			
14	James	Kenya			
15	Emmanuel	Kenya			
16	Emmanuel	Kenya			
17	James	Kenya			
18	Praxis	Kenya			
19	Praxis	Kenya			
20	Praxis	Kenya			
21	Rose	Kenya	F		
22	Rina	Kenya	F		
23	Christian	Kenya	F		
24	Suprina	Kenya	F		
25	Fiona	Kenya	F		
26	Julia	Kenya	F		
27	Betty	Kenya	F		
28	Carina	Kenya	F		
29	Betty	Kenya	F		
30	Rose	Kenya	F		
31	Fiona	Kenya	F		
32	Margalita	Kenya	F		

STAKEHOLDERS MEETING FOR THE PROPOSED JUBA NILE BRIDGE PROJECT.

Juba

13th March 2011

No.	Name	Designation/Occupation	Organization	Mobile Phone No.	Signature
32	Mahmoud	Flora F	Local residents	ADAC	
33	Ludia	Amal F	"	"	
34	Hajira	Juan F	"	"	
35	Amal	Neil F	"	"	
36	ROSA	Wen F	"	"	
38	Maria	Donat	"	"	
39	Christina	Neil F	"	"	
40	Demetrius Juan	Leno	"	"	
41	Emmanuel	Leno	"	"	
42	Emmanuel	Leno	"	"	
43	Joseph	Leno	"	"	
44	HEBIE	goro	"	"	
45	Flora	Donat F	"	"	
46	Natalia	Donat F	"	"	
48	Maria	Donat F	"	"	
49	MURIEL	Juan	"	"	
50	Rose	Leno F	"	"	
51	Milica	Pen F	"	"	
52	FERV	Maki	"	"	
53	EASTYRIA	Leno F	"	"	
54	VIVIAN	Ludia F	"	"	
55	DEBI	Ignacio	"	"	
56	ALBERT	Pen F	"	"	
57	STEPHEN	Maria	"	"	
58	Joseph	Maria	"	"	
59	STEPHEN	Maria	"	"	
60	ANTHONY	GOYE	"	"	
61	GABRIEL	pen	"	"	
62	VALERIA	Ludia F	"	"	

第 5 回ステークホルダー協議（概要説明） 2011 年 3 月 24 日

5th Stakeholders Meeting 24th March 2011

Report of the 5th Stakeholders Meeting

24th march 2011

Attachment:

- Minutes of Meeting
- Attendant Lists
 - Original with Signature
- Invitation Letter
- Proposed Participant
- Handout
- Photos

Minutes of the meeting for the 2nd key stakeholder meeting
Presentation of Key Finding EIA & RAP of preparatory survey on the project for
construction of Nile River bridge
in Southern Sudan

Date: 24th March 2011

Venue: Shalom Hotel and restaurant

Time: 9.30am – 12.30pm

Chaired by: Mr. Louis, the 1st Director General, Ministry of Physical Infrastructure, CES

Presenters: Mr. Haroub Ahmed and Mr. John Ndungu of the study team

9.30 – 10.00 am: Registration of Participants and introduction

10.00- 10.15am: Opening Speech: Mr. Louis Gore George, the 1st Director General of Ministry of Physical Infrastructure (MOPI), CES: Stated the importance of the project to GOSS, the state and the community, stressed the importance of consultation and understanding of the project environmental and social impacts

Introduction of the project by Ms Patricia Gibril of MTR

10.15-11.00am: Presentation of EIA finding by the consultant Mr. Joseph Ndungu

11.00 – 11.15am: Tea break

11.15-12.00am: Presentation of RAP findings by the consultant Mr. Haroub Ahmed

12.00 – 12.30 am: Discussion and Observation session chaired by Mr. Louis Gore George, the 1st Director General of Ministry of Physical Infrastructure (MOPI), CES:

Eng Romano of MOP CES remarked that the proposed cost for community agricultural land was too low and it should be raised to at least 15 SDG per metre square. He further said that the ministry of agriculture should also be consulted.

Mr. Emmanuel Matayo from MOPI remarked that more consultations have to be done not just for ROW road corridor of 30m but also the ROW 60m for the sake of future road expansion and future projects

Mr. Peter Laku Goro from Roads and Bridges department CES commented that more stakeholders should be consulted for instance ministry of agriculture and Forestry

The Director General of MOPI – Differentiate between legal occupants and illegal occupants. There exact numbers should be listed and be clearly defined. The director also added that temporary land will be offered to the contractors when the project commences for their camps and yards. The local communities will benefit in terms of employment and once the project is completed the contractor's camps will be used for other purposes like offices and community centers.

Mr Shoji from the study team remarked that the study have clearly identified all the affected people and classified them in such a way that genuine land owners and squatters can be identified. The genuine land owners will be compensated land for land and paid for their properties. They will be relocated to a proposed relocation site within Lologo that was provided by the community. Currently the place is used as a refugee camp but there are plans to move the refugees to a different location.

He continued that as for the squatters there are plan underway in conjunction with UN HABITAT to relocate to Durupi. This site is located about 12km out of Juba town. The squatters will be given training to build, materials by the donor. Land will be cheaply provided with low payments monthly of up to 100 SDG per month. The plots measuring 20m by 20m will cost 3000SDG.

The 1st Director General Mr. Louis Gore added that there are plans by his office to address issues of squatters within Juba County. His office has identified a piece of land measuring about 5km by 5km where landless people squatting in Juba can be moved. However he said tha it will take some time because they lack the necessary survey equipments to subdivide the land into plots.

The Administrator of Rejaf Payam Mr. Charles Andrew commented that he has received a list of people due to be compensated from the study team and the list is totally in accurate as it has left most genuine indigenous people especially the ones staying close to the River bank. He said he felt it was not fair and this situation might bring about problems in future for the project. He suggested that the people who have been left out should be interviewed and the status of their occupancy determined whether they are renting the places or the land belongs to them. He further said that a technical committee be formed to review and do a new survey of the affected people. The committee should be made up of persons nominated from the following bodies:

- Payam
- MOPI
- Community
- Consultants
- Environment
- Squatter Council

Mr. Shoji responded that the list he had was just a draft and the team now has an updated list complete with pictures and names of all the affected people. He further reiterated that the exercise the study team is carryng is just to get an compensation estimate for the final reports but not the actual payments which will come when the project is about to commence. Mr. Gabriel Makur from MTR added that other social infrastructure developments should come along with the bridge like hospitals

Mrs. Roda Allison from UNHCR added that gender and Vulnerable people should be considered in compensation and consultation.

Closing Remark.

Mr Gabriel Makuor DG Roads and Bridges

Mr Louis Gore 1st DG MOPI

Patricia Gabriel MTR

24th KEY STAKEHOLDERS MEETING FOR THE PROPOSED JUBA NILE BRIDGE PROJECT.

24th March 2011.

No.	Name	Designation/Organization	Mobile Phone No.	Signature
1-	Daniel Kado Kado	Ministry of Environment (CES)		[Signature]
2-	John Wani Gaudenata	Ministry of High Infrastructures		[Signature]
3	Shoji Takeo	JICA Study Team		[Signature]
4	Jackson N. Roberts	UN-Habitat		[Signature]
5	Emmanuel Mbityo Wam	HOUSING		[Signature]
6	Lewis Gere George	Physical Infrastructure		[Signature]
7	Mitsue Umiguchi	JICA Study Team		[Signature]
8	Jelly Etionai Andanaga	Ministry Housing CES		[Signature]
9	Rado Allison Dokolo	UNHCR		[Signature]
10	HAROUS AHMED	JICA Study Team/Research		[Signature]
11.	JOSEPH NAWENY	JICA Study Team/Research		[Signature]
12	Eng. Roman Marjhan Lukae	Directorate of roads and bridges		[Signature]
13	Peter KAKH HOD	Roads & Bridges CES		[Signature]
14	Charles Andrea Jada	Rajap Rajon Juba County		[Signature]
15.	Zacharia Khassir Peter	Rajap Rajon		[Signature]
16.	Adwok Chol Anuv	SSCCSE		[Signature]
17.	MOLLA MASHINO	(CES) JUBA UNAF		[Signature]
18.	Yahiel Mathus Anuv	MTR		[Signature]
19.	Daniel N. Gibil	MTR - CROSS		[Signature]
20.	Peter Adonwollofiamli	P/Chief Juba County		[Signature]
	Samuel Davis	Juba County		[Signature]
21	Anthony Kamsur	MAF/CES		[Signature]
22	MOLLA MASHINO	MAF (CES) JUBA		[Signature]
23-	Adwok Chol Anuv	SSCCSE		[Signature]
24	Rolustus T. Apello	SSCC		[Signature]



5th Stakeholders Meeting 24th March 2011
**PREPARATORY SURVEY ON THE PROJECT FOR
CONSTRUCTION OF NILE RIVER BRIDGE
IN SOUTHERN SUDAN**



Date 21st March 2011

Subject: Invitation to 2nd Stakeholders Meeting on Environmental/Social Survey for the Proposed New Nile River Bridge Project

Dear Sir /Madam

Following the Road Network Development Master Plan proposed under the Juba Transport Infrastructure and Capacity Development Study completed by JICA in December 2009, Government of Southern Sudan emphasized on the development of Roads Network and identified the urgency of constructing a Circumferential road including the New River Nile Bridge with the objective of the following :

1. To improve the International road network and provide direct link to Uganda and Kenya through Juba –Nimule Road.
2. Politically: I will symbolize the fruits of peace and catalyze economic development of Government of Southern Sudan.

Based on this the Government of Japan has entrusted a study to be conducted to identify the viability of the Project through the Japan International Cooperation Agency-JICA. A Preparatory Survey which includes the study of the existing Environmental and social conditions related to the Nile River Bridge commenced in November 2010 and is currently ongoing. During the study a resettlement action plan for people who will be affected by the project was also conducted in accordance to the existing Legal frame works of GOSS, Japan Guidelines and World Bank.

We wish to invite you to attend the 2nd Stake holders meeting to present the study progress and findings on the 24th March 2011 at 9.30 am at Shalom Hotel and Restaurant. The program is as attached .Your participation is highly appreciated.

Yours Sincerely;

Eng. Jacob Marial
Director General-Roads and Bridges
Ministry of Transport and Roads;
Government of Southern Sudan –GOSS.



5th Stakeholders Meeting 24th March 2011
**PREPARATORY SURVEY ON THE PROJECT FOR
CONSTRUCTION OF NILE RIVER BRIDGE
IN SOUTHERN SUDAN**



Program Outline of the 2nd Stakeholders Meeting Environmental /Social Survey Study planning on 24th March 2011 at 9:30Am.

- Date: Thursday, 24th of March, 2011.
- Venue: Shalom Hotel and Restaurant.

Program:

- 9:30 – 10:00am Arrival and Registration
- 10:00 – 10:15am Opening remarks by Eng. Jacob Marial Director General-Roads and Bridges Ministry of Transport and Roads.
- 10:15 – 11:00Am – EIA Findings , presented by Mr. Joseph Ndungu
- 11.00 – 11.15 am – Tea Break
- 11.15 – 12.00 pm - RAP Findings, presented by Mr. Haroub Ahmed
- 12:00 – 12:45Pm Discussions and Observations.
- 12:45 – 13:00Pm – Closing Remarks by Eng. Jacob Marial Director General-Roads and Bridges Ministry of Transport and Roads and 1ST Director General: Mr. Louis George Gore –MOPI and Lunch



5th Stakeholders Meeting 24th March 2011
**PREPARATORY SURVEY ON THE PROJECT FOR
CONSTRUCTION OF NILE RIVER BRIDGE
IN SOUTHERN SUDAN**



List of Proposed Participant:

□ Goss

- 1) Mr. Jacob, Director General, Ministry of Transport and Road
- 2) Undersecretary, Ministry of Environment Ministry
- 3) Chairman, Southern Sudan Land Commission
- 4) Undersecretary, Ministry of Forest and Agriculture
- 5) Undersecretary, Ministry of Health
- 6) Chairman, Commission of Census and Statics
- 7) Traffic Police, Ministry of Interior
- 8) Road Safety Officer, Ministry of Transport and Road

CES

- 9) Mr. Louis, The First Director General, Ministry of Physical Infrastructure
- 10) Director General, Road and Bridge, Ministry of Physical Infrastructure
- 11) Director General, Housing, Ministry of Physical Infrastructure
- 12) Director General, Land and Survey, Ministry of Physical Infrastructure
- 13) Director General, Agriculture and Forest
- 14) Minister, Ministry of Environment
- 15) Commissioner of Juba County
- 16) Executive Director of Rajaf, Payam (East bank)
- 17) Executive Director of Lologo, Payam (West bank)
- 18) Paramount Chief of Rajaf
- 19) Paramount Chief of Lologgo

Donor

- 20) UNDP
- 21) USAID
- 22) UNEP
- 23) UNHCR
- 24) World Bank
- 25) Tamari, JICA
- 26) UN-HABITAT





5th Stakeholders Meeting 24th March 2011
**PREPARATORY SURVEY ON THE PROJECT FOR
CONSTRUCTION OF NILE RIVER BRIDGE
IN SOUTHERN SUDAN**




Shalom Hotel Location Map



 PREPARATORY SURVEY ON THE PROJECT FOR CONSTRUCTION OF NILE RIVER BRIDGE IN SOUTHERN SUDAN 

Presentation on Progress and Findings
Environmental Impact Assessment(EIA)
and
Resettlement Action Plan (RAP)

 Norfin International Ltd.
Engineering and Management Consultants
PO Box 1882 Nairobi 00100 Kenya
web: www.norfin.co.ke

CTI ENGINEERING INTERNATIONAL
CO., LTD

Objectives of EIA for the Proposed Initiative

- To help establish the baseline data, by having a thorough understanding and presentation of the existing environmental conditions of the area and its surroundings before any construction procedures commences.
- Create linkages during the project cycle (design, construction and operation) and try to gain a thorough understanding of some of the emerging impacts on the environment.
- Predict the extent of the impacts on the environment, develop an EMP and monitoring plan

The Project Area



JICA' S Environmental Guidelines

Project should meet the requirements for environmental and social considerations stated in the JICA Guidelines on environment and social considerations, which are:

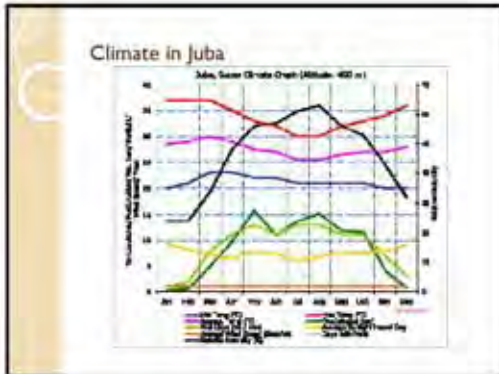
- Project to comply with the laws or standards related to the environment and local communities in the central and local governments of host countries.
- Project to conform to those governments' policies and plans on the environment and local communities.
- Project should not deviate significantly from the World Bank's Safeguard Policies, to internationally recognized standards, treaties, and declarations, good practices etc.

Findings on Natural Environmental Impacts

- Pollution (air, water, soil)
- Waste (construction debris)
- Noise and vibration
- Geographical features
- Biota and ecosystem
- Offensive odors
- Ground subsidence
- Poor and vulnerable people

Pollution

- Water related pollution during construction period of the bridge. Impacts on people who use Nile water and the aquatic life.
- Dust originating from material hauling vehicle to and from construction sites. Impacts of people living in close proximity to the project sites.
- Noise and vibration- as a result of movement and running of heavy machinery and equipment.
- Soil pollution as a result of oil leakages from project's machinery and equipment.



- ### Findings on Social Environmental Impacts
- Involuntary resettlement
 - Land use and utilization
 - Social Institutions
 - Existing social infrastructure
 - Local conflicts of interests
 - Employment, livelihood
 - Infectious diseases (STDs, HIV/AIDS)



- ### Involuntary resettlement
- Land and property (houses etc) within a width of 30m ROW will be affected and will be first to be resettled.
 - PAPs will be compensated
 - Further details about PAPs in the next RAP presentation.



- ### Relevance Consultative Public Participation
- To gain views from the public and their concerns
 - Develop transparency and accountability during project cycle (design, construction and operation).
 - Identify possible bottlenecks
 - Avoid possible conflicts between the project proponents, PAPs and stakeholders
 - To avoid delay in project implementation and therefore saving unnecessary project costs

Issues of Concern during CPP in Lologo

- How the community will know if they are affected.
- Community is skeptic on compensation in case it is going to be handled by GOSS.
- Whether the project alignment is targeting specific community.
- Whether GOSS will allocate land for PAP's identified in the assessment within the same the same Payam.

Issues of Concern during CPP in Gumbo

- Development will attract illegal settlers.
- Post-project developments
- Whether the amount of money to be compensated to PAPs will be enough
- Project will affect farms: How farmers will be compensated.

Pending Work to Accomplished.

- Writing the draft Environmental Impact Assessment (EIA) report for the explanation to the stakeholders by July 2011.
- Writing the final EIA report, submit it to GOSS for approval in August 2011.

RAP

Components of Resettlement Action Plan

- Identification of project impacts and the affected population
- Step 1: Mapping
- Step 2: Census
- Step 3: Inventory of Affected Assets
- Step 4: Socioeconomic Studies
- Step 5: Analysis of Surveys and Studies
- Step 6: Consultation with Affected People Concerning Assistance Benefits and Development Opportunities

The Project Area



RAP Findings: Socioeconomic Studies
Issues studied included:

- Communities perception about the project.
- Social conditions of the study sites.
- Economic conditions.
- Education, culture and security issues.

Legal Framework

- The GOSS Land Act 2009 available and comparisons made with the JICA Guidelines, hence gaps and differences identified.
- The World Bank's resettlement policy which ensure that population displaced by a project receives benefits from it is being observed during the resettlement action planning procedures.

JICA Guidelines and GOSS Land Law

Guidelines	Comments	Remarks
1. The purpose of the study is to identify the areas affected by the project and to assess the impact of the project on the affected areas.	1. The purpose of the study is to identify the areas affected by the project and to assess the impact of the project on the affected areas.	1. The purpose of the study is to identify the areas affected by the project and to assess the impact of the project on the affected areas.
2. The study should cover all areas affected by the project, including those areas that are not directly affected but may be indirectly affected.	2. The study should cover all areas affected by the project, including those areas that are not directly affected but may be indirectly affected.	2. The study should cover all areas affected by the project, including those areas that are not directly affected but may be indirectly affected.
3. The study should be conducted in a participatory manner, involving the affected communities in the study.	3. The study should be conducted in a participatory manner, involving the affected communities in the study.	3. The study should be conducted in a participatory manner, involving the affected communities in the study.
4. The study should identify the specific needs and concerns of the affected communities.	4. The study should identify the specific needs and concerns of the affected communities.	4. The study should identify the specific needs and concerns of the affected communities.
5. The study should provide recommendations for the mitigation of the negative impacts of the project.	5. The study should provide recommendations for the mitigation of the negative impacts of the project.	5. The study should provide recommendations for the mitigation of the negative impacts of the project.


Social Survey -Land Ownership and Acquisition

Land Rent and Registration

Category of Project Affected Persons (PAPs).

Physical Review of Assets and Economic Activities within the Project Site			
	With Title	No Title Owner	Others
1 Residential households	Direct		
2 Business Establishments	Indirect		
3 Farmers Along River Side	Direct food vendors (vegetables, etc)		
4 Clay Works	Direct		
5 Manufacturers			

Typical houses to be affected



- Design of 80% of houses
- The most expensive house within the alignment
- Other types of structures within the alignment



- Tukul under construction (left)
- a business kiosk made of bamboo walls and iron sheets roof
- An earth brick house under construction
- A dwelling shanty made of bamboo and canvas rigs.

Assets Survey, House Area, Fence Length and Trees

Item	No Within Area 80m	Length/Area M ²
Houses Area	220	2442.74
Fence	41	2798m
Trees/Items	113	
mango	2	
bananas	1	

Inventory of Affected Assets (Houses)

Asset Type	Count	Value (USD)
House	220	2442.74
Fence	41	2798
Trees/Items	113	
mango	2	
bananas	1	

Proposed Compensation Cost for Land with unit prices

Asset Type	Count	Unit Price (USD)	Total Value (USD)
House	220	11.10	2442.00
Fence	41	68.24	2798.00
Trees/Items	113		
mango	2		
bananas	1		

Proposed Compensation Cost for Building unit prices

Asset Type	Count	Unit Price (USD)	Total Value (USD)
House	220	11.10	2442.00
Fence	41	68.24	2798.00
Trees/Items	113		
mango	2		
bananas	1		

Photos

Minutes for 2nd Stakeholders Meeting



Ms Patricia Ali giving her opening speech.



DG addressing the participants



Consultant presenting his findings on RAP



5th Stakeholders Meeting 24th March 2011
**PREPARATORY SURVEY ON THE PROJECT FOR
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IN SOUTHERN SUDAN**



Payam Administrator asking question.



Venue of the Stakeholder Meeting – Shalom Hotel

資料 10. 概略設計図

PREPARATORY SURVEY
ON THE PROJECT FOR CONSTRUCTION OF NILE RIVER BRIDGE
IN THE REPUBLIC OF THE SUDAN

DRAWINGS

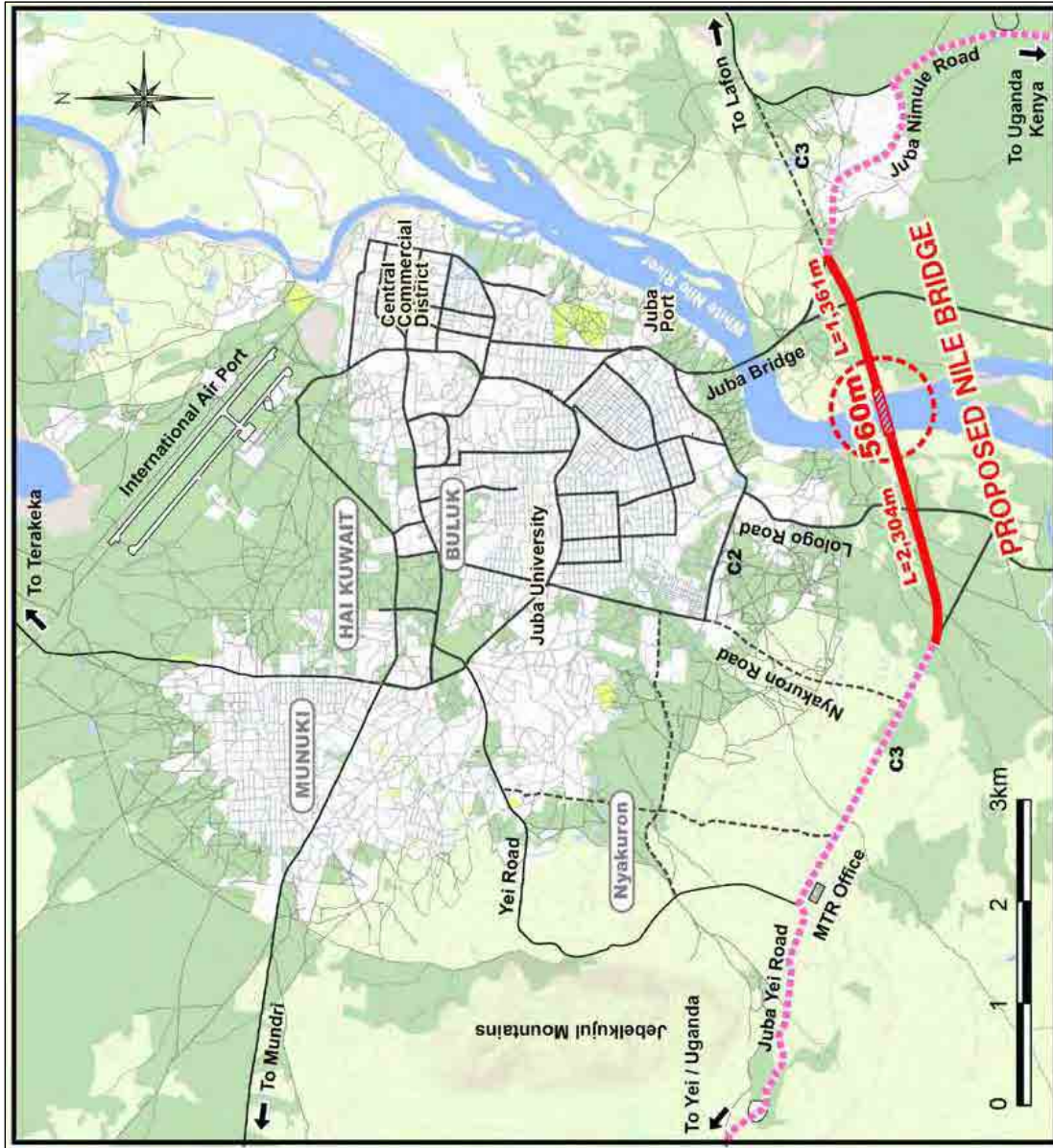
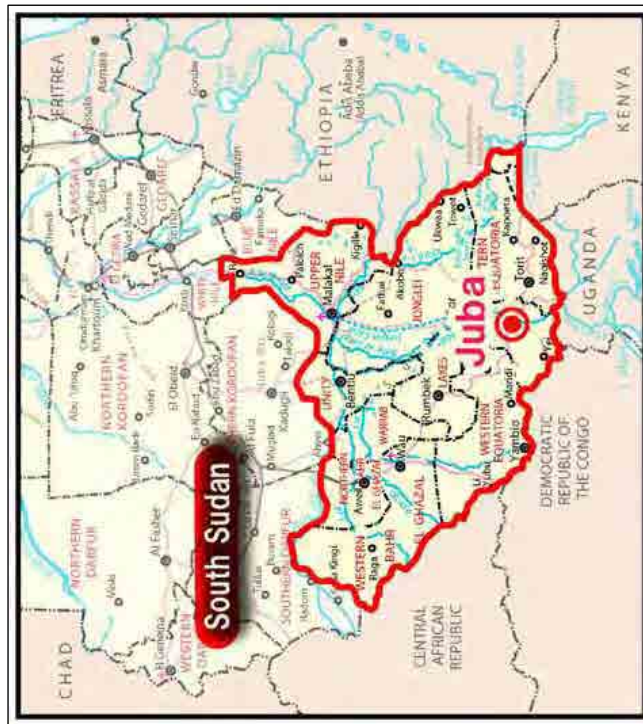
JAPAN INTERNATIONAL COOPERATION AGENCY

CTI ENGINEERING INTERNATIONAL CO., LTD

PREPARATORY SURVEY ON THE PROJECT FOR CONSTRUCTION OF NILE RIVER BRIDGE IN THE REPUBLIC OF THE SUDAN

LIST OF DRAWINGS

Item No.	Drawing Title	No. of Sheets	Drawing No.
1	LOCATION MAP (位置図)	1	NB-01
2	PROJECT SITE DEVELOPMENT PLAN (全体概要図)	1	NB-02
3	HORIZONTAL ALIGNMENT REFERENCE(1)~(3) (取付道路平面線形図)	3	NB-03~05
4	GENERAL PLAN AND PROFILE(1)~(8) (取付道路平面・縦断図)	8	NB-06~13
5	TYPICAL CROSS-SECTION OF APPROACH ROAD (取付道路標準横断図)	1	NB-14
6	GENERAL VIEW OF THE BRIDGE (橋梁一般図)	1	NB-15
7	SUPERSTRUCTURE LAYOUT AND TYPICAL SECTIONS (A1~P5) (橋梁上部工構造図)	1	NB-16
8	SUPERSTRUCTURE LAYOUT AND TYPICAL SECTIONS (P5~P9 LANGHER ARCH) (橋梁上部工構造図)	1	NB-17
9	TYPICAL DETAILS OF SUPERSTRUCTURE FOR P5~P9 (LANGHER ARCH) (橋梁上部工構造図)	1	NB-18
10	SUPERSTRUCTURE LAYOUT AND TYPICAL SECTIONS (P9~A2) (橋梁上部工構造図)	1	NB-19
11	ABUTMENT-A1 LAYOUT AND DIMENSIONS (橋台構造図)	1	NB-20
12	DIMENSION DETAILS FOR PIER-1~PIRE-5 (橋脚構造図)	5	NB-21~25
13	DIMENSION DETAILS FOR PIER-6~PIRE-8 (橋脚構造図)	3	NB-26~28
14	DIMENSION DETAILS FOR PIER-9~PIRE-10 (橋脚構造図)	2	NB-29~30
15	ABUTMENT-A2 LAYOUT AND DIMENSIONS (橋台構造図)	1	NB-31
16	DRAINAGE DETAILS OF APPROACH ROAD (1)~(7) (取付道路排水構造図)	7	NB-32~38
17	DRAWINGS FOR CONCRETE PAVEMENT CONSTRUCTION(1)~(2) (コンクリート舗装構造図)	2	NB-39~40
18	ANCILLARY STRUCTURE(1)~(2) (取付道路施設工図)	2	NB-41~42
19	SLOPE PROTECTION LAYOUT AND DETAILS (1)~(2) (護岸工構造図)	2	NB-43~44



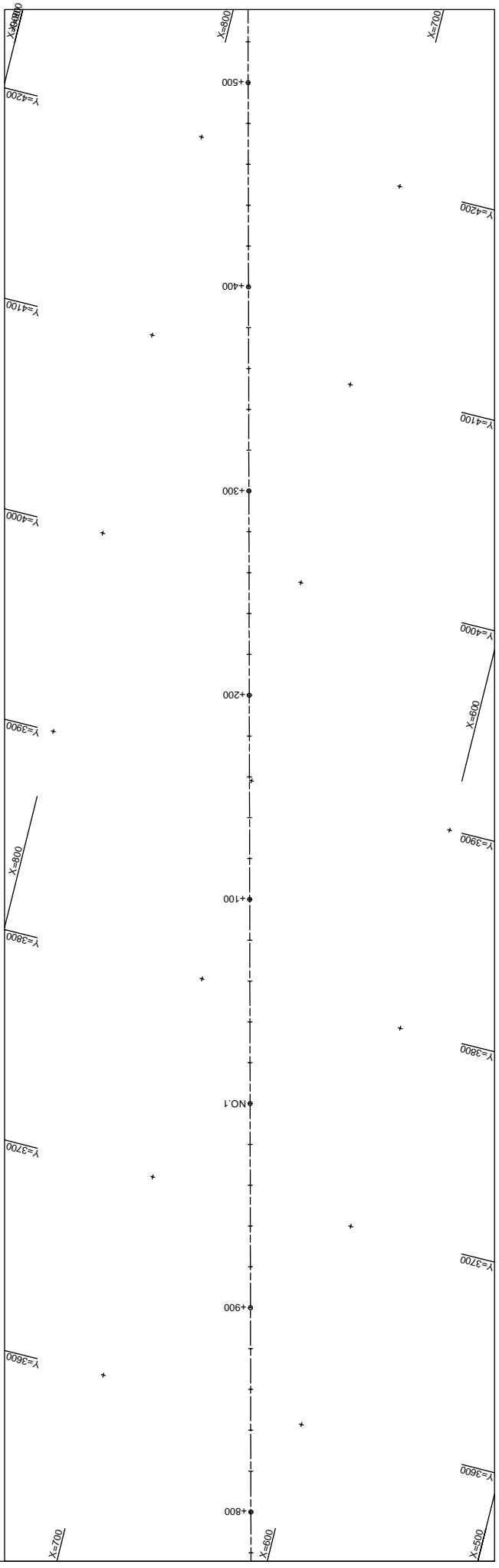
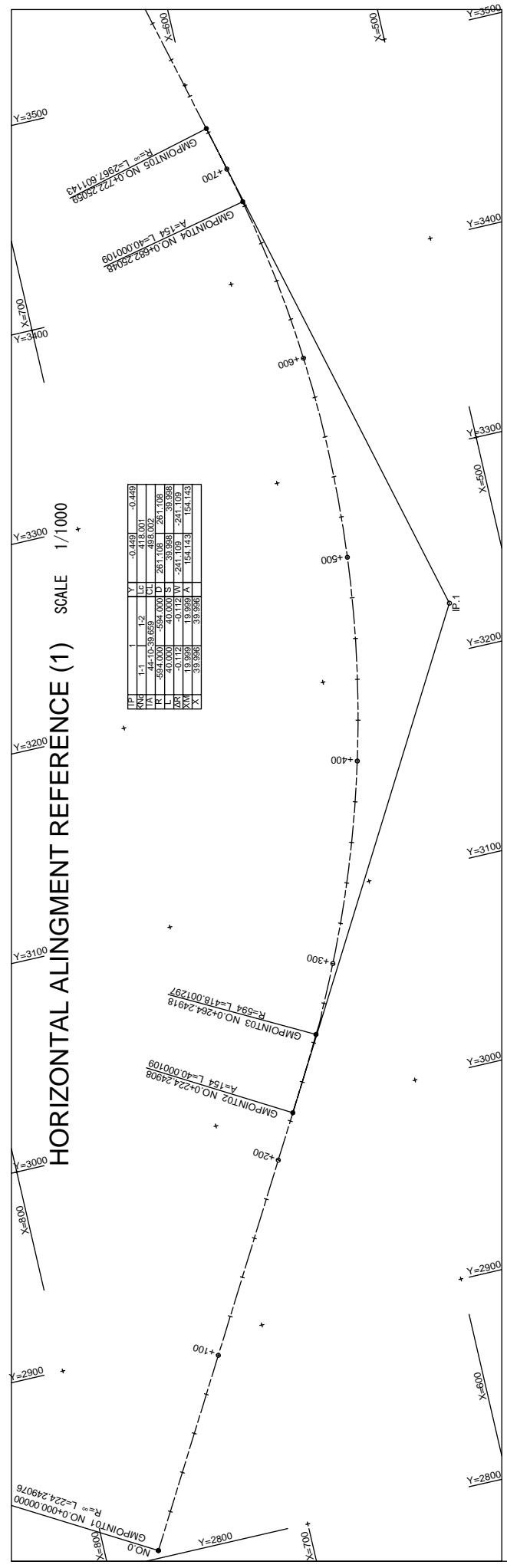
MINISTRY OF TRANSPORT AND ROADS GOVERNMENT OF SOUTHERN SUDAN	PRELIMINARY SURVEY FOR THE PROJECT FOR CONSTRUCTION OF NILE RIVER BRIDGE IN SOUTHERN SUDAN	TITLE: JAPAN INTERNATIONAL COOPERATION AGENCY CTI ENGINEERING INTERNATIONAL CO., LTD. EIGHT-JAPAN ENGINEERING CONSULTANTS INC.	SCALE	SHEET NO.
			H=1/5000	NR-01
LOCATION MAP			DATE	OCT 2011



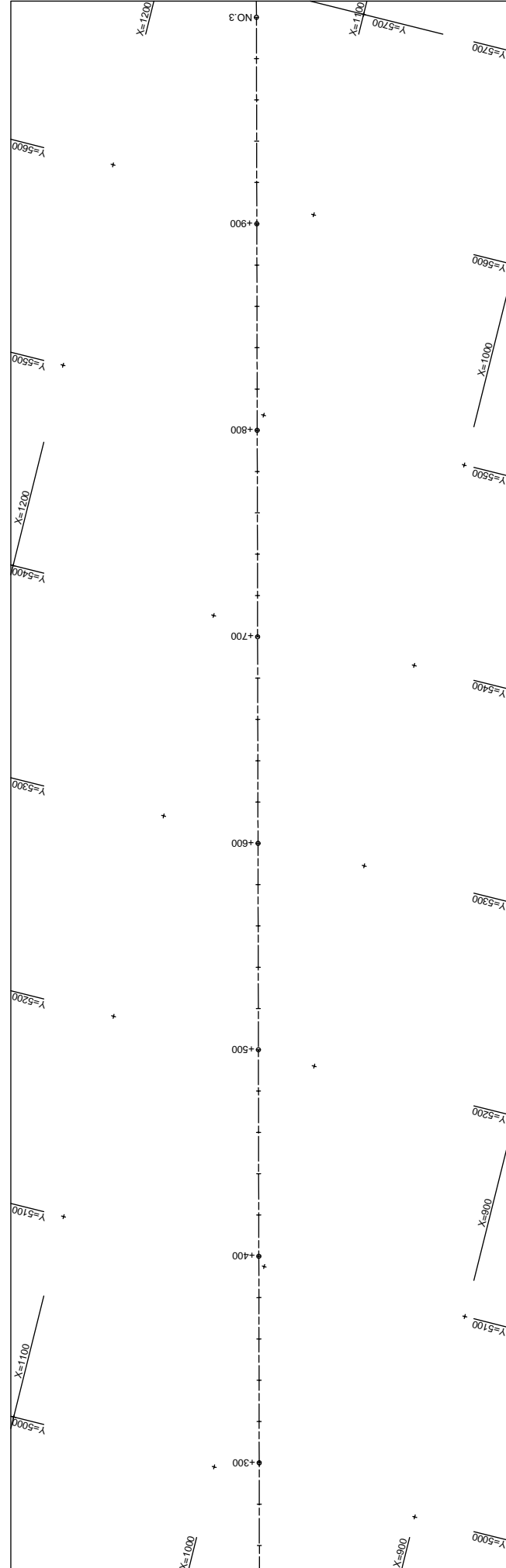
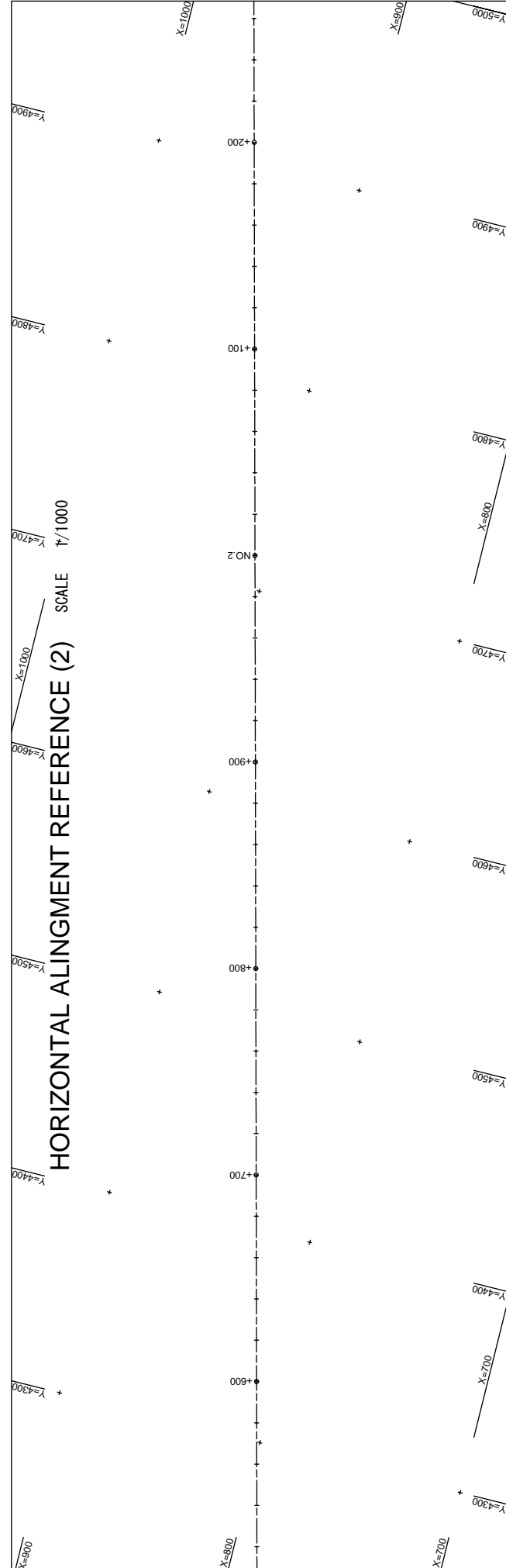
SHEET NO. NO. 02	SCALE 1:1000 1:1000	DATE OCT 2011	TITLE: JAPAN INTERNATIONAL COOPERATION AGENCY CTI ENGINEERING INTERNATIONAL CO., LTD. EIGHT-JAPAN ENGINEERING CONSULTANTS INC.	PRELIMINARY SURVEY FOR THE PROJECT FOR CONSTRUCTION OF NILE RIVER BRIDGE IN SOUTHERN SUDAN	MINISTRY OF TRANSPORT AND ROADS GOVERNMENT OF SOUTHERN SUDAN
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HORIZONTAL ALIGNMENT REFERENCE (1) SCALE 1/1000

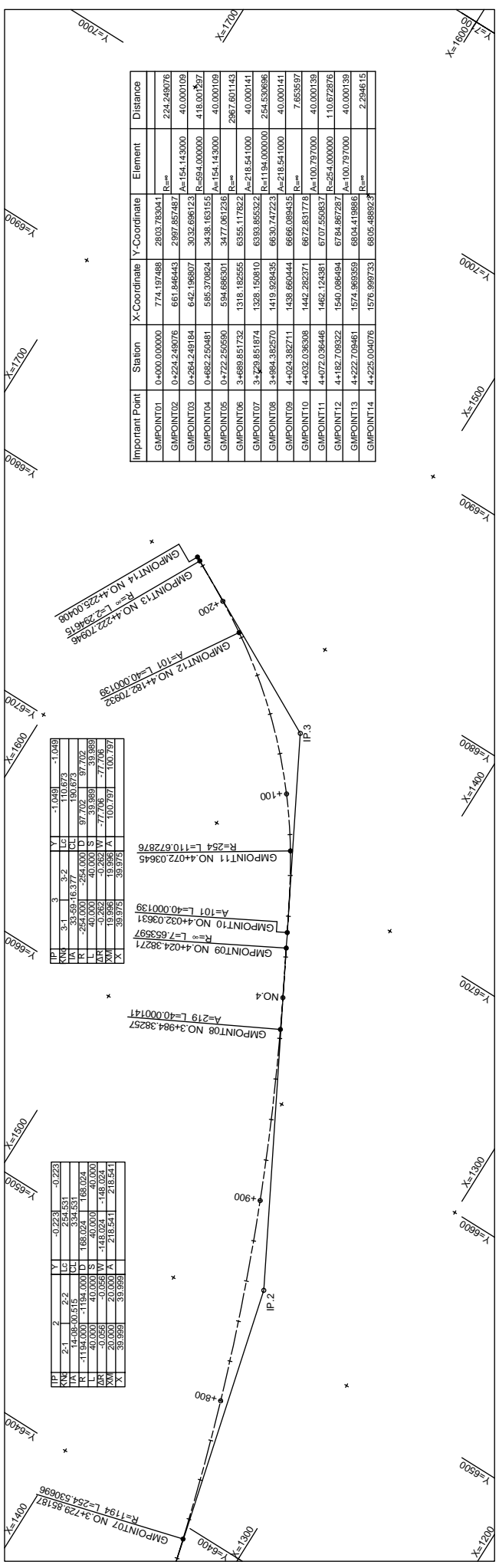
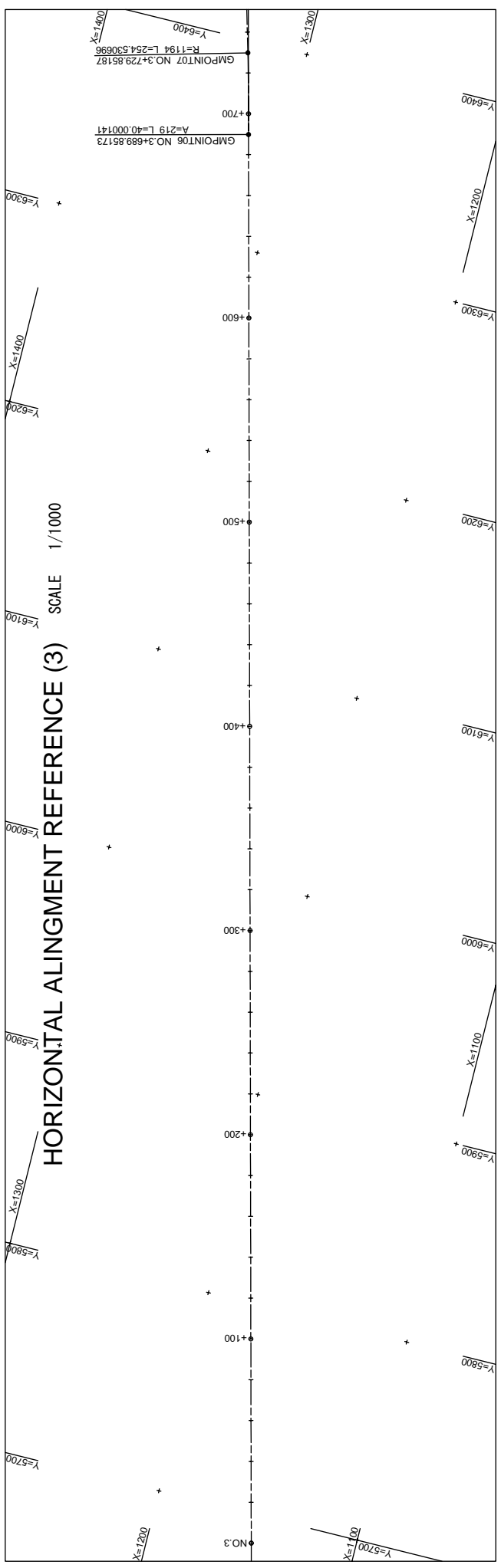


MINISTRY OF TRANSPORT AND ROADS GOVERNMENT OF SOUTHERN SUDAN	PRELIMINARY SURVEY FOR THE PROJECT FOR CONSTRUCTION OF NILE RIVER BRIDGE IN SOUTHERN SUDAN	JAPAN INTERNATIONAL COOPERATION AGENCY CTI ENGINEERING INTERNATIONAL CO., LTD. EIGHT-JAPAN ENGINEERING CONSULTANTS INC.	TITLE: HORIZONTAL ALIGNMENT REFERENCE (1)	
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		DATE: OCT 2011		



HORIZONTAL ALIGNMENT REFERENCE (2)	SCALE	SHEET NO.
	1/1000	11/000
	DATE	NO.04
	OCT 2011	
JAPAN INTERNATIONAL COOPERATION AGENCY CTI ENGINEERING INTERNATIONAL CO., LTD. EIGHT-JAPAN ENGINEERING CONSULTANTS INC.	TITLE: HORIZONTAL ALIGNMENT REFERENCE (2)	
PRELIMINARY SURVEY FOR THE PROJECT FOR CONSTRUCTION OF NILE RIVER BRIDGE IN SOUTHERN SUDAN		
MINISTRY OF TRANSPORT AND ROADS GOVERNMENT OF SOUTHERN SUDAN		

HORIZONTAL ALIGNMENT REFERENCE (3) SCALE 1/1000

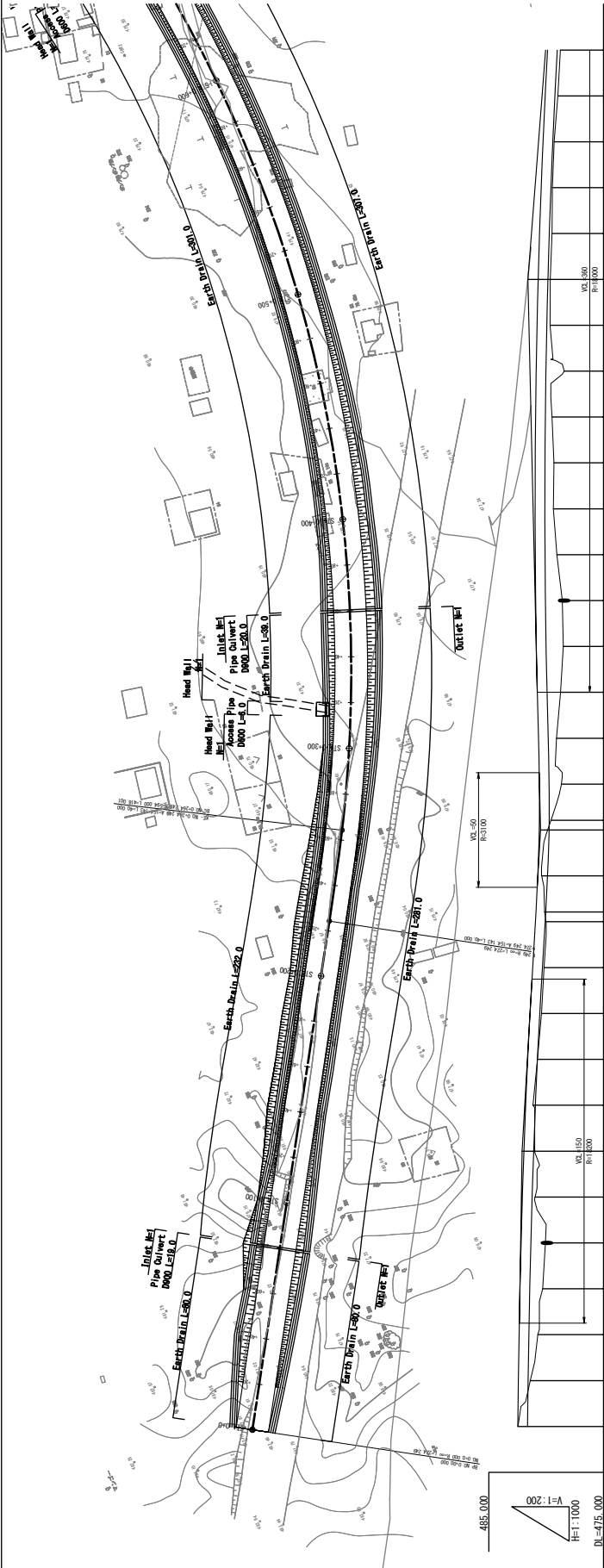


Important Point	Station	X-Coordinate	Y-Coordinate	Element	Distance
GMPINT01	0+000.000000	774.197488	2603.769041	R=∞	224.249076
GMPINT02	0+224.249076	661.846443	2897.857487	A=154.143000	40.000109
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GMPINT05	0+722.262590	594.896301	3477.061236	R=∞	2887.601143
GMPINT06	3+489.851732	1318.182555	6355.117822	A=218.541000	40.000141
GMPINT07	3+729.851874	1328.150810	6393.855522	R=1184.000000	254.539696
GMPINT08	3+894.382570	1419.928435	6630.747223	A=218.541000	40.000141
GMPINT09	4+024.382711	1438.660444	6666.089435	R=∞	7.658587
GMPINT10	4+032.036398	1462.282371	6672.831775	A=100.797000	40.000139
GMPINT11	4+072.036446	1462.124391	6707.569937	R=254.000000	110.672876
GMPINT12	4+182.709322	1540.086494	6784.867287	A=∞	40.000139
GMPINT13	4+222.709461	1574.968359	6804.419865	A=∞	2.294615
GMPINT14	4+225.004076	1576.999733	6805.488923	R=∞	

NO.	X	Y	Z	LC	LC	LC
1	31.650	163.875	-1.049	110.673	97.702	97.702
2	40.000	40.000	0.000	93.989	93.989	93.989
3	33.978	33.978	-0.263	-77.706	-77.706	-77.706
4	33.978	33.978	0.000	103.797	103.797	103.797

NO.	X	Y	Z	LC	LC	LC
1	2.183	2.183	-0.223	254.531	183.024	183.024
2	40.000	40.000	0.000	93.989	93.989	93.989
3	33.983	33.983	-0.056	-148.024	-148.024	-148.024
4	33.983	33.983	0.000	218.941	218.941	218.941

MINISTRY OF TRANSPORT AND ROADS GOVERNMENT OF SOUTHERN SUDAN	PRELIMINARY SURVEY FOR THE PROJECT FOR CONSTRUCTION OF NILE RIVER BRIDGE IN SOUTHERN SUDAN	JAPAN INTERNATIONAL COOPERATION AGENCY CTI ENGINEERING INTERNATIONAL CO., LTD. EIGHT-JAPAN ENGINEERING CONSULTANTS INC.	TITLE: HORIZONTAL ALIGNMENT REFERENCE (3)
SCALE 1/1000		SHEET NO. NE-05	
DATE OCT 2011			



Station	Horizontal Alignment	Superelevation	Distance	Accumulative Length	Filling Height	Cutting Height	Existing Level	P	Slope (PH)	F	P	H	Slope (PH)	P	H
0+00			0.00	0.00			482.480	481.630	1:0.00						
0+20			20.00	20.00	1.03		481.390	481.567	1:0.00						
0+40			40.00	40.00	1.62		480.730	481.503	1:0.00						
0+60			60.00	60.00	1.98		480.370	481.424	1:0.00						
0+80			80.00	80.00	2.12		480.070	481.343	1:0.00						
1+00			100.00	100.00	1.11		482.080	481.230	1:0.00						
1+20			120.00	120.00	0.95		481.945	481.095	1:0.00						
1+40			140.00	140.00	0.64		481.788	480.938	1:0.00						
1+60			160.00	160.00	0.84		481.609	480.759	1:0.00						
1+80			180.00	180.00	1.00		481.408	480.557	1:0.00						
2+00			200.00	200.00	1.00		481.196	480.338	1:0.00						
2+20			220.00	220.00	0.95		480.957	480.107	1:0.00						
2+40			240.00	240.00	0.35		480.730	479.880	1:0.00						
2+60			260.00	260.00	0.74		480.500	479.750	1:0.00						
2+80			280.00	280.00	1.00		480.288	479.528	1:0.00						
3+00			300.00	300.00	1.50		479.100	479.323	1:0.00						
3+20			320.00	320.00	2.03		478.746	479.925	1:0.00						
3+40			340.00	340.00	2.34		478.517	480.006	1:0.00						
3+60			360.00	360.00	2.32		478.590	480.064	1:0.00						
3+80			380.00	380.00	1.89		479.056	480.100	1:0.00						
4+00			400.00	400.00	1.60		479.366	480.114	1:0.00						
4+20			420.00	420.00	1.62		479.333	480.105	1:0.00						
4+40			440.00	440.00	1.43		479.497	480.075	1:0.00						
4+60			460.00	460.00	2.45		478.428	480.023	1:0.00						
4+80			480.00	480.00	1.13		479.666	479.947	1:0.00						
5+00			500.00	500.00	1.06		479.644	479.850	1:0.00						
5+20			520.00	520.00	1.09		479.493	479.733	1:0.00						
5+40			540.00	540.00	0.98		479.468	479.589	1:0.00						
5+60			560.00	560.00	0.98		479.200	479.425	1:0.00						
5+80			580.00	580.00	1.11		478.976	479.239	1:0.00						
6+00			600.00	600.00	1.12		478.750	479.030	1:0.00						

MINISTRY OF TRANSPORT AND ROADS
GOVERNMENT OF SOUTHERN SUDAN

PRELIMINARY SURVEY FOR THE PROJECT FOR
CONSTRUCTION OF NILE RIVER BRIDGE
IN SOUTHERN SUDAN

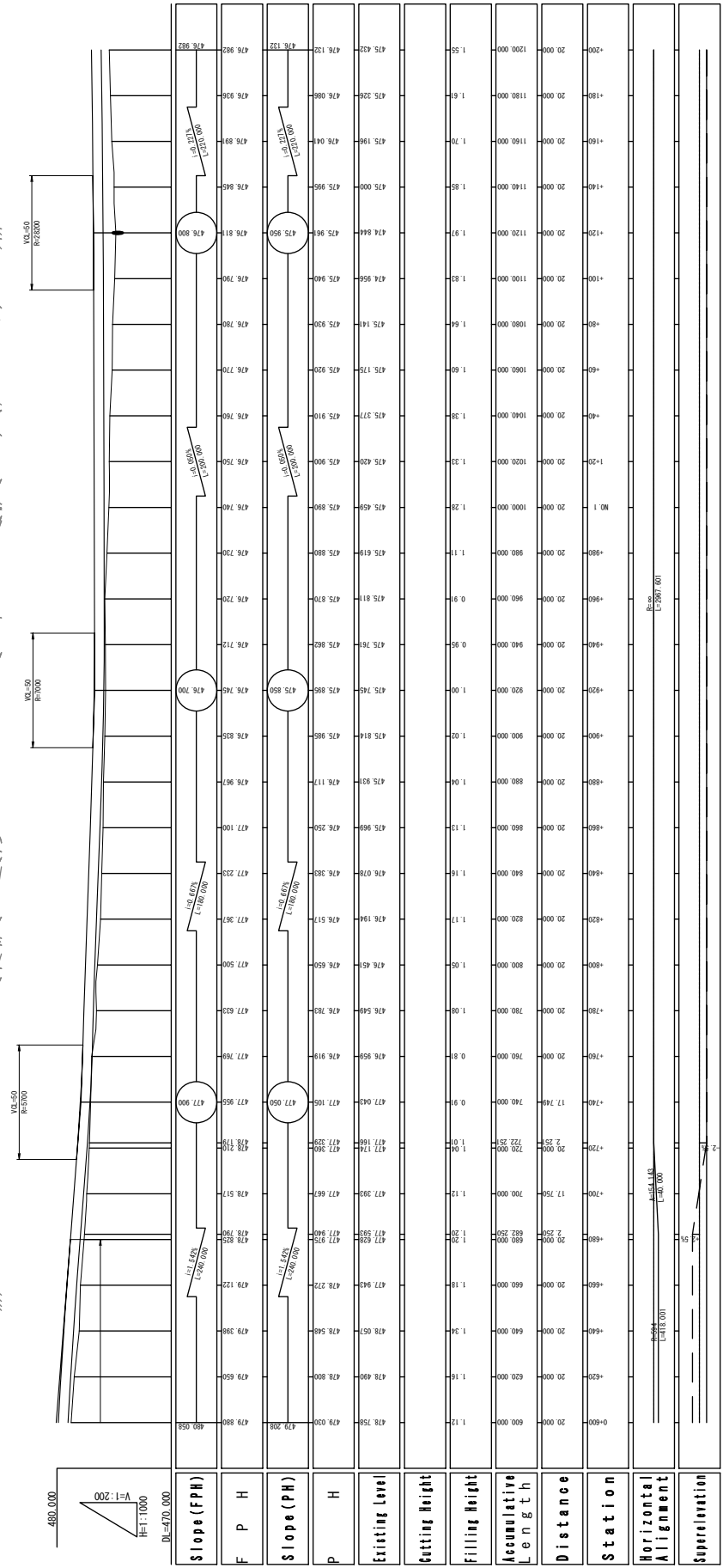
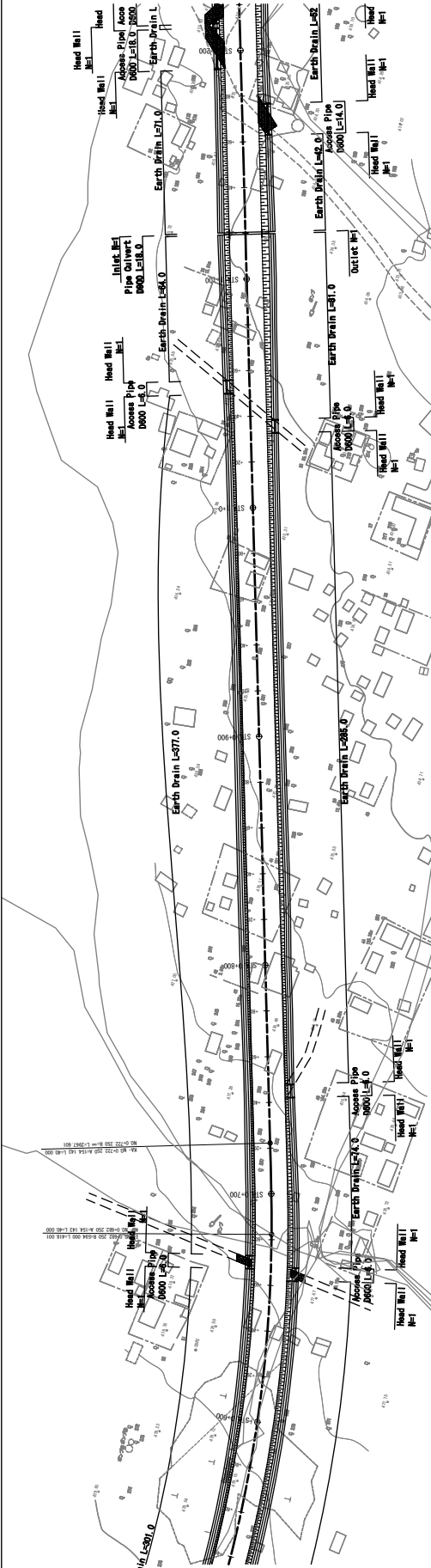
JAPAN INTERNATIONAL COOPERATION AGENCY
CTI ENGINEERING INTERNATIONAL CO., LTD.
EIGHT-JAPAN ENGINEERING CONSULTANTS INC.

General Plan And Profile (1)

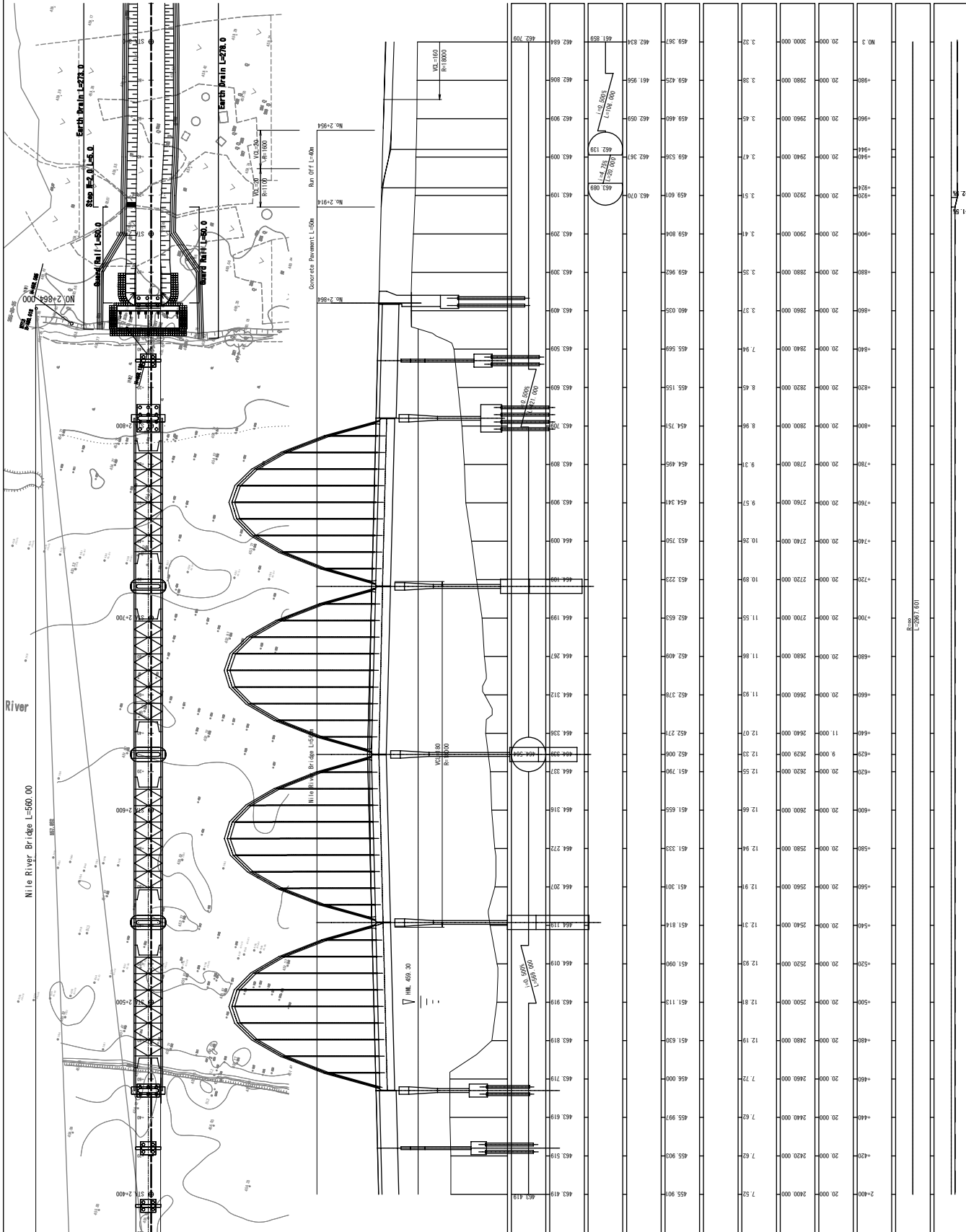
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SHEET NO.
NB-06

DATE
OCT 2011



Station	Horizontal Alignment	Superelevation	Existing Level	Setting Height	Filling Height	Accumulative Length	Distance	P	Slope (PH)	F	P	Slope (FPH)
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+000			478 880	479 030	479 030	620 000	20 000					
+020			478 490	478 800	478 800	640 000	20 000					
+040			478 050	478 548	478 548	660 000	20 000					
+060			477 942	478 272	478 272	680 000	20 000					
+080			477 528	477 975	477 975	700 000	20 000					
+100			477 382	477 667	477 667	720 000	20 000					
+120			477 124	477 368	477 368	740 000	20 000					
+140			476 816	477 069	477 069	760 000	20 000					
+160			476 540	476 783	476 783	780 000	20 000					
+180			476 450	476 500	476 500	800 000	20 000					
+200			476 194	476 517	476 517	820 000	20 000					
+220			476 078	476 382	476 382	840 000	20 000					
+240			475 956	476 250	476 250	860 000	20 000					
+260			475 814	475 985	475 985	880 000	20 000					
+280			475 746	475 865	475 865	900 000	20 000					
+300			475 712	475 870	475 870	920 000	20 000					
+320			475 700	475 880	475 880	940 000	20 000					
+340			475 740	475 890	475 890	960 000	20 000					
+360			475 750	475 910	475 910	980 000	20 000					
+380			475 780	475 930	475 930	1000 000	20 000					
+400			475 844	475 960	475 960	1020 000	20 000					
+420			475 900	475 990	475 990	1040 000	20 000					
+440			475 977	475 910	475 910	1060 000	20 000					
+460			475 175	475 920	475 920	1080 000	20 000					
+480			475 140	475 930	475 930	1100 000	20 000					
+500			474 956	475 940	475 940	1120 000	20 000					
+520			474 844	475 960	475 960	1140 000	20 000					
+540			475 326	475 986	475 986	1160 000	20 000					
+560			475 196	475 040	475 040	1180 000	20 000					
+580			476 936	476 068	476 068	1200 000	20 000					
+600			476 432	476 132	476 132							



Slope (FPH)	F	P	H	Slope (PH)	P	H	Existing Level	Setting Height	Filling Height	Accumulative Length	Distance	Station	Horizontal Alignment	Superelevation
	463.419	463.519	463.619		455.900	455.900	455.900	7.62	2420.000	2420.000	2400.000	2+400		
	463.519	463.619	463.719		455.970	455.970	455.970	7.62	2440.000	2440.000	2420.000	4+200		
	463.719	463.819	463.919		456.000	456.000	456.000	7.72	2460.000	2460.000	2440.000	4+500		
	463.819	463.919	464.019		456.000	456.000	456.000	7.72	2480.000	2480.000	2460.000	4+800		
	463.919	464.019	464.119		456.110	456.110	456.110	12.81	2500.000	2500.000	2480.000	5+000		
	464.019	464.119	464.219		456.200	456.200	456.200	12.91	2520.000	2520.000	2500.000	5+200		
	464.119	464.219	464.319		456.300	456.300	456.300	12.91	2540.000	2540.000	2520.000	5+400		
	464.219	464.319	464.419		456.330	456.330	456.330	12.94	2560.000	2560.000	2540.000	5+500		
	464.319	464.419	464.519		456.350	456.350	456.350	12.66	2600.000	2600.000	2560.000	6+000		
	464.419	464.519	464.619		456.350	456.350	456.350	12.55	2620.000	2620.000	2600.000	6+200		
	464.519	464.619	464.719		456.350	456.350	456.350	12.55	2629.000	2629.000	2620.000	6+290		
	464.619	464.719	464.819		456.400	456.400	456.400	11.86	2680.000	2680.000	2640.000	6+800		
	464.719	464.819	464.919		456.400	456.400	456.400	11.55	2700.000	2700.000	2680.000	7+000		
	464.819	464.919	465.019		456.450	456.450	456.450	10.89	2720.000	2720.000	2700.000	7+200		
	464.919	465.019	465.119		456.550	456.550	456.550	9.51	2760.000	2760.000	2720.000	7+600		
	465.019	465.119	465.219		456.550	456.550	456.550	8.96	2800.000	2800.000	2760.000	8+000		
	465.119	465.219	465.319		455.155	455.155	455.155	8.45	2820.000	2820.000	2800.000	8+300		
	465.219	465.319	465.419		455.599	455.599	455.599	7.94	2840.000	2840.000	2820.000	8+400		
	465.319	465.419	465.519		455.599	455.599	455.599	3.37	2860.000	2860.000	2840.000	8+600		
	465.419	465.519	465.619		455.599	455.599	455.599	3.35	2880.000	2880.000	2860.000	8+800		
	465.519	465.619	465.719		459.904	459.904	459.904	2.41	2900.000	2900.000	2880.000	9+000		
	465.619	465.719	465.819		459.904	459.904	459.904	3.35	2920.000	2920.000	2900.000	9+200		
	465.719	465.819	465.919		459.904	459.904	459.904	3.47	2940.000	2940.000	2920.000	9+400		
	465.819	465.919	466.019		459.904	459.904	459.904	3.45	2960.000	2960.000	2940.000	9+600		
	465.919	466.019	466.119		459.904	459.904	459.904	3.38	2980.000	2980.000	2960.000	9+800		
	466.019	466.119	466.219		3000.000	3000.000	3000.000	3.32	3000.000	3000.000	2980.000	10+000		

MINISTRY OF TRANSPORT AND ROADS
GOVERNMENT OF SOUTHERN SUDAN

PRELIMINARY SURVEY FOR THE PROJECT FOR
CONSTRUCTION OF NILE RIVER BRIDGE
IN SOUTHERN SUDAN

JAPAN INTERNATIONAL COOPERATION AGENCY
CTI ENGINEERING INTERNATIONAL CO., LTD.
EIGHT-JAPAN ENGINEERING CONSULTANTS INC.

General Plan And Profile (5)

SCALE
V=1:200
H=1:1000

SHEET NO.
NB-10

DATE
OCT 2011

