

Date of Answer: March / /2006

_	 	
Title of Respondent		

Bridge No.	No. 01	Bridge Nan		Ban Khoang		Pr	rovince N	eme	Son La		Road Network around the Bridge (conceptional map)						
	The R	oud on whic	ch the bridg	e exist		Ne	earest Cit	y (with po	pulation ov	er 20,000)	Ι,						
Bridge Location	Road Nam	e	Statio	n of the B	ridge	Name	of the Ci	ty	Distanc	e From the Bridge	1						
	Provincial Road (	PR) 107		Km 20		Thu	uan Chau			33	1						
	Bridge Length		12	m	Span	(	9 m	+ m	+ m	+ m+ m	)						İ
	Bridge Width		5	m	Carriage Way	Width				4 m							
	Superstructure Type	Steel comb	oine bridge w	ith LC sla	b	•											
Present Condition of Bridge	Substructure Type	Masonry															
critige	Present Condition (Eye Check)	Weak									1						
	Necessity of Reconstruction	Yes Reason	n: Road was	improved,	rehabilitated,	but no bridg	ge on the	road, the l	ow Load do	es not meet the dem	and of trans	sport.					
	Number of Days of Closed to Traffic	umber of Days of Vahicle / Bike etc. 20 days (year padestring or Biovale :							cle :	20 days/year							
			Informatio	n of Villag	es Beyond th	e Bridge	-		ų.		Informat	tion of the N	learest Cit	y (with pop	ulation over 20,000)		
	Number of Village		19	villages	Name of Regi	ional Town	F	Pa Uon		Name of City		Thuan Chau		Access Tir	ne from the Bridge	60	minutes
	Population		8992	persons	Number of Ho	ber of Household			ouseholds	Population of City	130000 person			Number of	Household	22.596	nouseholds
	Average Income 190,000 ang/month Population		Population Ra	atio of Minor	ority	60	%	Average Income		216,000	ong/month		ne from the main and the bridge site	30	minutes		
	Rate of School Attendance (Elementary School) 4.5		×	Rate of School High School)	l Attendance	(Junior	5	*	Remarks				(by genera residents)	means of trip for the	Ву		
	Number of Educational Facilities			Junior High S	School		1		Number of Education	al Facilitie	8		Junior High	School	29		
Actual State of Social	Elementary School		1		High School			0		Elemental School	hool			High School	ol	3	
Economic	Number of Medical I	Facilities		1:	Emergency H (middle size h	hospital)		0			umber of Medical Facilities			Emergency (middle siz		1	
	Clinic (small size hospital)		1		Hospital for S (large size ho		ents	0		Clinic (small size hospital)	20			Hospital fo (large size	r Serious Patients hospital)	0	
	Number of Daily Life	Facilities			Bank			0		Number of Daily Life	Fecilities			Bank		1	
	Post Office		1		Market			0		Post Office		2		Market		1	
:	Bus Stop	l	0		Public Offices (Town Hall br			1		Bus Stop		0			branch, etc.)	25	
	Main Land Use	Rice Field,	Vegetable F	arm, Fruit	Farm					Detail of products ser year of each product					ne of the products, tot	al amount/	price per
	Main Production	Agriculture	, Forestry														
	Road Class	Provincial r	road and Dis	trict road						Road Width: 6.5	Average R	load Width	5	m,	Average Carriage Way	Width	3.5 m
	Surface Type	Soil								Actual Road Condition	Normal						
Present	Average Traffic Volume	Big 8	Bus	Smal	I Bus	us Passenger Car		Motor	Bike	Big Track	Small	l Track		art / animals)	Bicycle and pedestrian	Во	at
Condition of Access Road				L	2		70		20	25 (			30	0			
	Place of Bottleneck		dth Section	the ear						Minimum Width	L	5	m	Traffic Cor	itrol Up to	H13X60	tone
	Remarks	Detail of po	SLUBNOCKS IN	wie acces	ss roads:												

		Road Network Plan	Traffic Infrastructure	Master Plan	Other Infrastructure	Priority of this bridge among the proposed bridges in this province								
	Village Level	No	No	No	No	Priority:								
Relevant	Village Level	Material No.	Material No.	Material No.	Material No.	1 2 3 4 5 6								
evelopment.	District Level	Yes	Yes	Yes	Yes	х								
	District Level	Material No.	Material No.	Material No.	Material No.	Reason of the priority:								
	Province Level	Yes	Yes	Yes	Yes	Road 107 was approved for investment with road class V by ADB fund, but it is not enough fun present the bridge has been not yet constructed. The bridge can be damaged at any time, so it								
	TOVINCE CEVE	Material No.	Material No.	Material No.	Material No.	necessary to improve the bridge to increase capacity of using the road and socio-economic development.								
	Low Water Level	Depth m	River Width 8 m	River Gradient (Estim	ate) 4%									
	Highest Flood	Depth m	River Width 15 m	Year of the Flood										
	riighest 1 1000	Velocity	m/sec	Moderate flow										
liver :	Tidal effects	No		River Bed Material	0									
Condition	Bridge Surface Elevation	m from Averag	ge Height of River Bed	Silt										
	Navigation to be considered	No	m number an	d type of ships:										
	Up Stream Side	Special Remarks												
	Down Stream Side	Special Remarks												
		Transportation Route	~	~		Other Additional Information to be Noted								
	Transportation of Steel Girder from	Carrying Method	Trailer Truck			1. Current bridge maintenance budget and system								
		Road Condition for Transportation	Suitable			There is fund for provincial road maintenance								
		•		* * *****										
			Sheet Pile		-									
ridge ionstruction		Coffering for Piers	/ No Need (No water	in dry season)	,	2 Current and expected projects by other donors (WB, ADB, JBIC, etc.)								
	Bridge Construction	Steel Girder Erection	Suitable for Bent and	Truck Crane Method	(Yes / No)	No								
		Foundation Type	RC Pile (L < 15m)		7-7-1									
		(Assumption)	/ Special Foundation (		)									
		Expected Work Hinder	In rainy reason, the co	nstruction progress is	to be effected due to	inceasing water level								
temark														

The Road on which the bridge exist

# QUESTIONNAIRE ON REQUESTED BRIDGES

Nearest City (with population over 20,000)

Date of Answer: March / /200

Road Network around the Bridge (conceptional map)

Name of Respondent;	
Title of Respondent	

Bridge Location	Road Nam		Statio	n of the B	ridge	N:	me of the (	City	Distanc	ce From the Bridge	1 '							
	Sap Vat - Phier	g Con	H	Km 0+100		Y	en Chau to	wn		3.5km	1							
<b> </b>	Bridge Length		40	m	Span	!	( 40	m+ m	+	m+ m+	⊒i m)							
1	Bridge Width		1.8		Carriage V	lay Width	,				1							
	Superstructure				Out nage 1		l			1.6 m	-							
Present	Туре	Suspension bridg	lge 								1							
Condition of Bridge	Substructure Type	Nile																
	Present Condition (Eye Check)	Non Serious Da	amage								j							
	Necessity of Reconstruction	Yes Reason: Sus	spensio	on bridge to	o serve mo	torbike and	pedestrian,	, vehicle mean	s have t	ouse the bypass far f	rom of 10km	1						)
	Number of Days of Closed to Traffic	Vehicle / Bike e	etc. :	365		days/ye	ar, pede:	strian or Bicy	cle :	365 days/ye	ear							ļ
		Info	omation	n of Villag	es Beyond	the Bridge	),		1,0		Informat	ion of the N	earest Cit	y (with po	ulation ov	er 20,000)		
	Number of Village	T	10	villages	Name of R	egional To	wn	Sap Vat		Name of City Yen Chau			1.				10 minutes	
	Population		5194	persons	Number of	Household	I	106910	useholds	town Population of City 62854 perso			persons	Number of	Household			66 rouseholds
1	Average Income	10						100		MAVerage Income 333,000 ang/mon				Agongo Timo from the main			10	
1	Rate of School Attende		3.9		month Population Ratio of Minority					Remarks	-		ng/ month	village bey	ond the bri I means of	idge site trip for the		minutes
	(Elementary School)	1= 45	3.9		High School) 3.8								residents)			Бу		
1 .	Number of Educatio	nal racilities			Junior Hig			1		Number of Education	nal Facilitie	• T		Junior Hig	h School		1	17
Actual State of Social	Elementary School		1		High Scho Emergency			0		Elemental School		21		High Scho				1
Economic	Number of Medical I	acilities			(middle siz	e hospital)		0		Number of Medical F	Facilities				e hospital)			1
	Clinic (small size hospital)		2		Hospital fo (large size	r Serious F hospital)	Patients	0		Clinic (small size hospital)		15		Hospital fo	r Serious I hospital)	Patients		0
	Number of Daily Life	Facilities			Bank			0		Number of Daily Life	Facilities			Bank				2
	Post Office		1		Market			0		Post Office		1		Market				2
	Bus Stop		0		Public Offi (Town Hall	ces branch, et	c)	1 (Commune Commit		Bus Stop		0	-	Public Off (Town Hal			:	30
	Main Land Use	Rice Field, Vege	table F	<u> </u>			,	1 John Har		Detail of products se	nt to marke	ts through th	e bridge k	ocation (Na	ne of the		tal amoun	t/price per
	Main Production	Agriculture, Fore	estry							year of each product): Rice and all kind of food: 900,000,					ear			
<del></del>	Road Class			/ District / Others ( )						Road Width; 5 Average Road Width 5					A	i W	. 10% 461.	
	<del> </del>							)		Actual Road	+	-		m, Average Carriage Wa		-arriage way	wioth	3.5 m
	Surface Type Average Traffic		mant / L		Seal / Gravel / Soil / Others (			T		Condition	Bad	_ 1	Ċ	art	Bicvi	cle and		
Present	Volume	Big Bus		Smal			nger Car	Motor E	3ike	Big Track	Small	Track		y animals)		estrian		Boat
Condition of Access Road	(car/day)	0		0 0		50		0	-		0		30	0				
	Place of Bottleneck	Narrow Width S								Minimum Width		4	m	Traffic Co	ntrol	Up to	H13X60	tone
ĺ	Remarks	Detail of bottlen	necks in	the acces	ss roads:													!
		Road Network	Plan 1	Traffic Infr	astructure	Mast	er Plan	Other Infras	tructure		Priority of	this bridge s	mong the	proposed l	ridges in t	this provinc	•	
l		No		No		No		No		Priority ;								
1	Village Level	Material No.	N	Material No		Material N	io.	Material No.		,	1 2	! 3	4	. 5		3		
Relevant Development		Yes		Yes .		Yes		Yes				_		×				
Plan	District Level	Material No.		Material No		Material N		Material No.		D	d-ula			,				
			$\rightarrow$		J.	<u> </u>	···	<u> </u>		Reason of the pr If no construction of		local people	wanting ac	cess to co	nmune hav	e to go by-		
l	Province Level	Yes		Yes 		Yes		Yes		pass of 10km in lengt	th, possible	access in dr	season			8,		
		Material No.		Material No	D.	Material N	0.	Material No.										
	Low Water Level	Depth	m F	River Width	30 m	River Grad	dient (Estima	ate)	5%									
	Highest Flood	Depth	m F	River Width	45 m	Year of th	ne Flood											
1		Velocity		m/sec		Moderate	flow											
River	Tidal effects	Have / No				River Bed	Material											
Condition	Bridge Surface Elevation	m from A	Average	Height of	River Bed	Gravel												
	Navigation to be considered	Yes or No	n	n	number an	d type of s	hips:											
	Up Stream Side	Special Remarks	s															
	Down Stream Side	Special Remarks	s															
		Transportation F	Route N	Nh6. Sap V	/at - Phuor	e Con (100	lm)				5 7 17	Other Add	itional Info	ormation to	he Noted			
	Transportation of	Carrying Method		Frailer True						1 Compant bailden								
	Steel Girder from the Provincial	Road Condition f	for							1. Current bridge The local		ired themsel						
	Capital	Transportation			vith small R	epair				bridge								
		Any Bottleneck							)									í
Daides		Coffering for Pie		arth Bank	th Bank with Sand Bags													
Bridge Construction				/ No Need	lo Need (No water in dry season)				2 Current and ex	pected pro	ects by oth	er donors	(WB, ADB,	JBIC, etc.	.)_			
		Steel Girder Ere		Suitable for Bent and Truck Crane Method Yes				No										
	Bridge Construction	CHILET EFE		Required Other Specials Erection Methods ( )														
		Foundation Type Spread Foundation																
		(Assumption)	/ Special Foundation ( )															
]		Expected Work Hinder	т	The constr	uction prog	ress is to l	oe effected	if construction	n in rainy	season								

Date of Answer: March / 16

Name of Respondent

Nguyen Van Nu

Title of Respondent: Deputy Director of Transport Management Division

Road Network around the Bridge (conceptional map) No. 03 Bridge Name Ban Tum Province Name Bridge No. The Road on which the bridge exist Nearest City (with population over 20,000) Bridge Road Name Station of the Bridge Name of the City Distance From the Bridge Yen Chau town - Chieng Khoa Km 2+100 Yen Chair town 40 40 ridge Length m Span m+ m+ m) ridge Width 1.8 Carriage Way Width 1.6 Superstructure Substructure Type Present Condition (Eye Check) Necessity of Reconstruction es Reason: Due to old sespension bridge to serve the motorbike, bycicle and pedestrian, but vehicle have to use causeway, impossible access in rainy season ber of Days of Vehicle / Bike etc. : days/year, pedestrian or Bicycle : 365 days/year losed to Traffic Information of Villages Beyond the Bridge Information of the Nearest City (with population over 20,000) Yen Chau Number of Village 6 villages Name of Regional Town Name of City Ban Tum Access Time from the Bridge 10 minute 2870 persons Number of Household 571 rousehold Population of City 62854 Number of Household 13666 agusebold Access Time from the main village beyond the bridge site (by general means of trip for the Average Income 180,000 ang/month Population Ratio of Minority 100 verage Income 333,000 ang/mont minute Rate of School Attendance (Elementary School) esidents) umber of Educational Facilities Junior High School Number of Educational Facilities Junior High School 17 Elementary School 1 High School 0 lemental School 21 High School f Socia Emergency Hospital (middle size hospital) Hospital for Serious Patients Emergency Hospital (middle size hospital) Hospital for Serious Patients Number of Medical Facilities 0 Number of Medical Facilities Clinic (small size hospital) 0 15 0 (large size hospital) (small size hospital) (large size hospital) Number of Daily Life Facilities Bank 0 Number of Daily Life Facilities Bank 2 Post Office Market Market 2 Public Offices Bus Stop 0 1 0 30 Bus Stop 0 (Town Hall branch, etc.) 30

Detail of products sent to markets through the bridge location (Name of the products, total amount/price per year of each product): All kind of food: 1,1 billion dong/year (Town Hall branch, etc.) Main Land Use Rice Field, Vegetable Farm, Fruit Farm Agriculture, Forestry Main Production Road Class District road Road Width: 5 Average Road Width 5 m, Average Carriage Way Width Actual Road Surface Type Small Bus Big Bus Passenger Car Bicycle and Motor Bike Boat (drawn by animals) pedestrian 0 0 60 0 12 0 40 0 Place of Bottleneck Narrow Width Section Minimum Width Traffic Control H13X60 tone Up to Detail of bottlenecks in the access roads Remarks Road Network Plan Traffic Infrastructure Master Plan Other Infrastructure Priority of this bridge among the proposed bridges in this province No Priority: Village Level Material No Material No Material No. Material No. 2 3 4 Yes Yes Yes Yes District Level Material No Material No. Reason of the priority; At this location, there is suspension bridge to serve motorbike, bycicle and pedestrian. Vehicle hav to use the causeway, in rainy season, impossible access. Yes Yes Yes Yes Province Level Material No Material No Material No. Material No Low Water Level m River Width 35 m River Gradient (Estimate) 50 m Year of the Flood m River Width Depth Highest Flood Velocity Moderate flov Bridge Surface m from Average Height of River Bed Gravel Elevation gation to be No number and type of ships: 0 considered Up Stream Side Down Stream Side Special Remarks Transportation Route Other Additional Information to be Noted Transportation of Steel Girder from the Provincial Capital Carrying Method 1. Current bridge maintenance budget and system load Condition for Possible with small Repair Repairing work for bridge has been carried out by the local people to serve the travelling Fransportation Any Bottleneck for Transportation: There is other road, no bottleneck for transport Earth Bank with Sand Bags / No Need (No water in dry season) 2 Current and expected projects by other donors (WB, ADB, JBIC, etc.) Suitable for Bent and Truck Crane Method Yes Steel Girder Erectio Bridge Construction Spread Foundation (Assumption) Expected Work

Date of Answer:

March / 13

/2006

Name of Respondent

Vice Director of Transport

Title of Respondent: Management Division Bridge Name Bridge No No. 04 Na Do Son La Road Network around the Bridge (conceptional map) The Road on which the bridge exist Nearest City (with population over 20,000) Bridge Continu Name of the City Station of the Bridge Distance From the Bridge Km 0+550 ridge I ength m Span m+ m÷ m÷ m Bridge Width Carriage Way Width Superstructure Bailey Bridge / Wooden Bridge / Concrete Bridge / Metal Bridge / No Bridge / Other ( ) Substructure Type RC Column / RC Pile / Wooden Pile / Masonry / Nile / Other ( } Present Condition (Eye Check) ood / Old / Weak / Non Serious Damage / Serious Damage / Flow Out / Other ( Necessity of Yes Reason: No bridge (only temporary causeway); To socio-economic development. Reconstruction Vehicle / Bike etc.: 90 days/year, pedestrian or Bicycle: 90 days/year losed to Traffic Information of the Nearest City (with population over 20,000) Information of Villages Beyond the Bridge Na Do Moc Chau Number of Village village: Name of Regional Town 19 ame of City Access Time from the Bridge 50 minute Number of Household 30508 iousehol Population 7500 1498 sousehold Population of City 144206 Access Time from the main 180,000 ang/month Population Ratio of Minority 360,000 ang/month 10 minute village beyond the bridge site (by general means of trip for the Rate of School Attendance (Junio High School) Rate of School Attendance (Elementary School) 5.3 5.3 residents) Number of Educational Facilities Junior High School 2 Number of Educational Facilities Junior High School Actual State of Social Topy Elementary School High School Elemental School 2 ligh School Emergency Hospital (middle size hospital) Hospital for Serious Patients mber of Medical Facilities Émergency Hospital umber of Medical Facilities 0 2 middle size hospital) lospital for Serious Patients Clinic 2 27 0 (small size hospital) (large size hospital) small size hospital) (large size hospital) mber of Daily Life Fecilities Bank umber of Daily Life Facilities Bank 4 arket 0 ost Office Market 2 3 Public Offices Public Offices Bus Ston Bus Stop 0 2 n 32 (Town Hall branch, etc.) (Town Hall branch, etc.) Detail of products sent to markets thro year of each product): Food: one billion amount/price per Main Land Use Rice Field, Fruit Farm, Forest Main Production Agriculture, Forestry Road Class District road Road: 5 Width Average Road Width 5 m, Average Carriage Way Width 3.5 r Actual Road Surface Type Concrete / Asphalt / Bitumen Seal / Gravel / Soil / Others ( Average Traffic Bicycle and Big Bus Small Bus Passenger Car Small Track Big Track Boat (drawn by animals) pedestrian (car/day 0 0 0 300 3 15 10 20 Place of Bottleneck Bridge / Tunnel / Narrow Width Section / Others ( Minimum Width Traffic Control Up to H13-X60 tone Road Network Plan Traffic Infrastructure Master Plan Other Infrastructure Priority of this bridge among the proposed bridges in this province No No Priority: Village Level Material No Material No Material No Material No 3 Yes Yes Yes es. istrict Level Material No. Material No. Material No. Material No. Reason of the priority: ue to only way, all local people have to use this bridge to access to center of commune and Yes Yes Yes Province Level Waterial No. 4837/QD Material No. Material No. m River Width Depth River Gradient (Estimate) Low Water Level 15 m Depth m River Width 35 m Year of the Flood Highest Flood Tidal effects No River Bed Material Gravel m from Average Height of River Bed Navigation t considered number and type of ships: Up Stream Side Special Remarks Down Stream Side Special Remarks Other Additional Information to be Noted Transportation Route NH6; NH43; PR101, Chieng Khoe - Muong Men district road Transportation of Steel Girder from the Provincial Capital arrying Method 1. Current bridge maintenance budget and system Road Condition for Possible with small Repair Transportation Any Bottleneck for Transportation ( ) Coffering for Piers / No Need (No water in dry season) 2 Current and expected projects by other donors (WB, ADB, JBIC, etc.) Suitable for Bent and Truck Crane Method Yes Steel Girder Erection Bridge Constru oundation Type Spread Foundation

(Assumption)

Expected Work

/ Special Foundation (

Rainy season in a long time to effect the construction progress

Date of Answer: March / /2006

Title	οf	Responden	٠.

Bridge No.	No. 05	Bridge Nam	10	Na Tra			Province f	lame (	Son La			Road	Natwork a	round the	Bridge (c	onceptional	map)	
,	The R	oed on whic	h the brid	je exist			Nearest C	ity (with pop	ulation ov	rer 20,000)	١,							
Bridge Location	Road Name	e	Stati	on of the E	ridge	Na	me of the C	Sity	Distanc	e From the Bridge	1							
	Chieng Khoa - Mu	ong Men		Km 4		M	oc Chau to	wn		29.5km	1							
	Bridge Length			m	Span		( m	+ m+	m+	m+ m)	•							
	Bridge Width			m	Carriage W	ay Width				m								1
Present	Superstructure Type	No bridge			····													
Condition of Bridge	Substructure Type	RC Column	/ RC Pile	/ Wooden	Pile / Masor	ary / Nile /	Other (			)								
Driuge .	Present Condition (Eye Check)	Good / Old	/ Weak / I	Non Seriou	s Damage /	Serious Da	smage / Flo	w Out / Oth	er (	)								
	Necessity of Reconstruction	Yes Reason	: No bridge	o, on;y soil	causeway, T	he people	of Muong M	len and Quar	ng Minh ar	using this causeway	•						)	
	Number of Days of Closed to Traffic	Vehicle / B	ike etc. :	90		days/year	, pedest	rian or Bicyo	le: 90	days/year	<u></u>							
	·		Informatio	n of Villeg	es Beyond	the Bridge					Informati	on of the N	earest Cit	y (with pop	ulation ov	ver 20,000)		
	Number of Village		17	villages	Name of Regional Town			Na Tra		Name of City		Moc Chau town		Access Tin	ne from th	ne Bridge	60	minutes
	Population	6800 persons		Number of	Household		12981	ouseholds	Population of City		144206	06 persons Number of H		mber of Household		30508 rc	ouseholds	
	Average Income	180,000 ang/monti			Population	Ratio of Mi	nority	100	×	Average Income		360,000	ng/month	Access Time from the main village beyond the bridge site		15	minutes	
	Rate of School Attenda (Elementary School)	5.3			Rate of School High School		ce (Junior	5.3	×	Remarks				(by general residents)	means of	f trip for the	Ву	
	Number of Education	nal Facilities			Junior High School			2		Number of Education	al Facilities	<b>.</b>		Junior High	School		5	
Actual State of Social	Elementary School		2		High Schoo			0		Elemental School 45			High School			3		
Economic	Number of Medical F	Facilities			Emergency (middle size	hospital)		0		Number of Medical Facilities		-		Emergency (middle size		)	2	
	Clinic (small size hospital)		2		Hospital for (large size		atients	0		Clinic (small size hospital)	ize hospital) 27			Hospital for Serious Patients (large size hospital)		Patients	0	
	Number of Daily Life	Facilities	-		Bank			0		Number of Daily Life	Fecilities		,	Bank			4	
	Post Office		2		Market			0		Post Office		2		Market			3	
	Bus Stop		0		Public Offic (Town Hall		:.)	2		Bus Stop		0		Public Offic (Town Hall	branch, e		32	
	Main Land Use	Rice Field, F	ruit Farm,	Forest						Detail of products ser year of each product)	nt to market : Foods: 1 b	s through th illion dong/y	e bridge lo ear	cation (Nar	ne of the	products, tot	al amount/pr	rice per
	Main Production	Agriculture,	Forestry															
	Road Class	National / P	Provincial /	District /	Others (	)				Road Width: 5	Average R	oad Width	5	m,	Average (	Carriage Way	Width	3.5 m
	Surface Type	Concrete /	Asphalt /	Bitumen S	eal / Gravel	/ Soil / Ot	thers (	)		Actual Road Condition	Normal							
Present	dition of (car/day) 0 0 0		ger Car	Motor	Bike	Big Track	Small	Track	Ca (drawn by			rcle and estrian	Boa	it				
Condition of Access Road				300		3	15		10		2	0						
1	Place of Bottleneck	Bridge / Tu				thers (	)			Minimum Width	0.6		m	Traffic Cor	itrol	Up to	20 to	one
	Remarks	Detail of bottlenecks in the access roads:																

		Road Network Plan	Traffic Infrastructure	Master Plan	Other Infrastructure	pre Priority of this bridge among the proposed bridges in this province								
	Village Level	No	No	No	No	Priority :								
Relevant		Material No.	Material No.	Material No.	Material No.		1	2	3	4	5	6		
Development Plan	District Level	Yes	Yes	Yes	Yes				x					
	District Level	Material No.	Material No.	Material No.	Material No.	Reason of the								
	Province Level	Yes	Yes	Yes	Yes	The locand Mo	al people o c Chau tov	of Muong Me wn	n and Qua	ng Minh hav	ve to use t	his bridge to access to Chieng Khoa		
		Material N <sub>1</sub> 4837/QD -UB	Material No.	laterial No. Material No. Material No.										
	Low Water Level	Depth m	River Width m	ver Width m River Gradient (Estimate) 6%										
	Highest Flood	Depth m	River Width m	ver Width m Year of the Flood										
		Velocity	m/sec	m/sec Rapid flow										
River	Tidal effects	No		River Bed Material										
Condition	Bridge Surface Elevation	m from Averag	e Height of River Bed	Silt / Fine Sand / Sar Rock	nd / Gravel /Boulder /									
	Navigation to be considered	No	m number an	d type of ships:	0									
	Up Stream Side	Special Remarks												
	Down Stream Side	Special Remarks												
		Transportation Route	NH6, PR101, DR: Chie	eng Khoa - Muong Men	1	Other Additional Information to be Noted								
1	Transportation of Steel Girder from	Carrying Method	Trailer Truck			1. Current bridge maintenance budget and system								
	the Provincial Capital	Road Condition for Transportation	Possible with small R	epair		No								
		Any Bottleneck for Tr	ansportation (		)									
		Coffering for Piers	Earth Bank with Sand	Bags										
Bridge Construction			/ No Need (No water	in dry season)		2 Current and	expected	projects by	other don	ors (WB, A	DB, JBIC.	etc.)		
	Bridge Construction	Steel Girder Erection	Suitable for Bent and	Truck Crane Method	Yes	No								
		Foundation Type	Spread Foundation	pread Foundation										
		(Assumption)	/ Special Foundation (	Special Foundation ( )										
		Expected Work Hinder												
Remark														

Son La

Ban Pang

Date of Answer: March /

Road Network around the Bridge (conceptional map)

/2006

Title of Respondent:		

	The R	The Road on which the bridge exist					Nearest City (with population over									
Bridge	Road Name		Stati	on of the B	ndge	Na	me of the	City	Distanc	ce From the Bridge	1,					
Location	Chieng Khoa - Mu	ong Men		Km 8			loc Chau to			33						
		Ong men					1				1					
	Bridge Length			m	Span		( m	ı+ m+	m+	m+ m)	ļ					
	Bridge Width			m	Carriage W	Vay Width				m						
	Superstructure Type	Bailey Bridge	e / Woode	en Bridge /	Concrete E	Bridge / Me	tal Bridge /	/ No Bridge / C	Other (	)						
Present Condition of	Substructure Type	RC Column	/ RC Pile	/ Wooden	Pile / Maso	onry / Nile .	Other (			)	1					
Bridge	Present Condition	Good / Old	/ Weak /	Non Seriou	s Damage /	/ Serious D	amage / Flo	ow Out / Other	r (	)	1					
	(Eye Check) Necessity of										J					,
	Reconstruction Number of Days of									seway during rainy se	1					)
	Closed to Traffic	Vehicle / Bi		90		days/year		trian or Bicycle	e :	90 days/year						<del></del>
1			Informatio	on of Villag	es Beyond	the Bridge	) <u>.                                    </u>				Informat			ty (with pop	ulation over 20,000>	
	Number of Village		16	villages	Name of R	Regional To	wn	Ban Pang		Name of City		Moc Chau town		Access Tin	ne from the Bridge	60 minute
	Population		6400	persons	Number of	f Household	!	1190100	ıseholds	Population of City		144206	persons	Number of Household		30505 rousehold
	Average Income		180,000	ong/month	Population	Ratio of M	linority	100	*	Average Income		360,000	ong/month	Williago Sour	ne from the main and the bridge site	25 minute
	Rate of School Attenda	ance	5.3	- %		nool Attenda	nce (Junior	5.3	×	Remarks				(by general	means of trip for the	By
	(Elementary School)  Number of Educatio	nel Fecilities			High Schoo Junior Hig			2		Number of Education	al Facilitie			residents) Junior High		5
				ligh School						· ·		├				
Actual State of Social	Elementary School	l.	12		Emergenc			0		Elemental School		15	<u> </u>	High School Emergency		3
Economic	Number of Medical I	Facilities .			(middle siz	size hospital)		0		Number of Medical F	acilities			(middle size	e hospital)	2
]	Clinic (small size hospital)		2		(large size	or Serious Patients hospital)		0		Clinic (small size hospital)				(large size	r Serious Patients hospital)	0
	Number of Daily Life	Facilities .			Bank			0		Number of Daily Life	Facilities			Bank		4
	Post Office		2	2 Ma				0		Post Office				Market		3
	Bus Stop		0			ices I branch, et	- )	2		Bus Stop				Public Offic	branch, etc.)	32
	Main Land Use	Rice Field	Fruit Farm	Farm, Forest		i branch, et	6.)	·		Detail of products se	nt to marke	s through	the bridge I		pranch, etc.) ne of the products, to	<u> </u>
				.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						year of each product	)					
	Main Production	Agriculture,					<u> </u>									
	Road Class	District road	d							Road Width: 5m Actual Road	Average R	oad Width	5	m,	Average Carriage Way	y Width 3.5 i
	Surface Type	Gravel								Condition	Bad, Poor					
Present	Average Traffic Volume	Big B	Bus	Sma	l Bus	Passer	nger Car	Motor B	like	Big Track	Small	Track		art y animals)	Bicycle and pedestrian	Boat
Condition of Access Road	(car/day)	0		0		(	)	300		3	15		10	)	20	
	Place of Bottleneck	Bridge / Tu	nnel / Nar	row Width	Section / C	Others (	)	<u> </u>		Minimum Width	0.6		m	Traffic Cor	ntrol Up to	20 tone
	Detail of bottlenecks in the access roads:															
	Remarks															
	1	,														
		Road Netw	vork Plan	Traffic Infi	rastructure	Mast	er Plan	Other Infrast	ructure		Priority of	this bridge	among the	proposed b	ridges in this provinc	<b>:</b> •
	l	No		No		No		No		Priority :						
	Village Level	Material No.		Material N	D.	Material N	lo.	Material No.			1 2	3	. 4	. 5	6	
Relevant Development		Yes		Yes	-	Yes		Yes		1			>	(		
Plan	District Level	Material No.		Material N		Material N		Material No.		Reason of the pr	iaritu :					
	-			<del></del>			-	<del> </del>		1		ong Men ar	d Quang M	inh commun	es are using this bridg	ge and during rainy
	Province Level	Yes Material No	4837/QD	Yes		Yes		Yes			possible acc					
		Material Ne	-UB	Material N	D.	Material N	o.	Material No.		İ						
	Low Water Level	Depth	m	River Width	10 m	River Grad	dient (Estim	nate)	5%							
	Highest Flood	Depth	m	River Width	40 m	Year of ti	ne Flood									
		Velocity	1.78	m/sec		Rapid flow										
River	Tidal effects	No				River Bed	Material			1						
Condition	Bridge Surface Elevation	m fr	om Averag	ge Height o	River Bed	Gravel										
	Navigation to be	No		m	number an	d type of s	hips:	0								
	considered Up Stream Side	Special Rem	narke													
				<u> </u>												
	Down Stream Side	Special Rem				·										
		Transportati	ion Route	NH6, NH4:	3, PR101, D	R Chieng K	(hoa - Muo	ng Men				Other Ad	ditional Inf	ormation to	be Noted	
	Transportation of Steel Girder from	Carrying Me		Trailer Tru	ck					1. Current bridge	maintenan	çe budget	and system	1		
	the Provincial Capital	Road Condit Transportati		Possible v	vith small R	Repair				. No						
		Any Bottlen	eck for Tr	ansportatio	n (				}							
	Earth Bank with Sand Bags															
Bridge	ŀ	Coffering for	r Piers	/ No Nee	d (No water	r in dry sea	son)		2 Current and expected projects by other donors (WB, ADB, JB(C, etc.)							
Construction		-				Truck Crai		No		No.			+++++1013			
	Pridra Ca	Steel Girder	Frection	Juntable 10	. 50th and	Oral				140						
l	Bridge Construction	ļ														
		Foundation	lype	Spread Fo												
l		(Assumption							)							
		Expected We Hinder	urk	Rainy seas	on lasts a	long time et	fecting con	struction progr	ress							
	1									3						

Date of Answer:	March /	/2006	
Name of Respondent:			

Name of Respondent:	
Title of Respondent:	

Bridge No.	No. 7	Bridge Name	Na Phat			Province I	Name Di	en Bien			Road Network	around the	Bridge (conception	s! map)
	The R	oed on which the br	dge exist			Nearest C	ity (with papu	lation ov	ver 20,000)	'				
Bridge Location	Road Name	e Sta	tion of the E	Bridge	Na	me of the C	City	Distanc	ce From the Bridge	1				
	Na Son - Su I	Dung	Km 3+800		D	ien Bien cit	ty		58km					
	Bridge Length		m	Span		( m	+ m+	m+	m+ m)	]				
	Bridge Width		m	Carriage W	ay Width				m	1				
Present	Superstructure Type	Suspension bridge								1				
Condition of Bridge	Substructure Type	RC Column / RC Pi	e / Wooden	Pile / Maso	nry / Nile /	Other (			)	1				
Situate	Present Condition (Eye Check)	Good / Old / Weak	/ Non Seriou	s Damage /	Serious Da	mage / Flo	ow Out / Othe	ır (	)					
	Necessity of Reconstruction	Yes Reason: Trave	lling betweer	communes						)				
	Number of Days of Closed to Traffic	Vehicle / Bike etc. :	30		days/year.	pedest	rian or Bicycle	e :	days/year					
		Informa	tion of Villag	es Beyond	the Bridge					Informati	on of the Nearest Ci	ty (with pop	ulation over 20,000	)
	Number of Village		0 villages	Name of Re	egional Tow	'n	Na Phat		Name of City		Dien Bien	Access Ti	me from the Bridge	120 minutes by bu
	Population	850	0 persons	Number of	Household		1060 101	useholds	Population of City		person	Number of	Household	household
1	Average Income	162,00	0 ang/month	Population	Ratio of Mi	nority		%	Average income		Dong/month		me from the main ond the bridge site	minute
	Rate of School Attenda (Elementary School)	ance 15	.1 %	Rate of School High School	ool Attendan )	ce (Junior	6.1	*	Remarks			(by genera residents)	l means of trip for th	Ву
	Number of Educatio	nal Facilities		Junior High	School				Number of Education	nal Facilities		Junior Hig	h School	
Actual State of Social	Elementary School		4	High Schoo					Elemental School			High Scho	ol	
Economic	Number of Medical I	Facilities		Emergency (middle size	e hospital)				Number of Medical F	acilities		Emergency (middle siz	y Hospital e hospital)	
	Clinic (small size hospital)		2	Hospital for (large size	r Serious P hospital)	atients			Clinic (small size hospital)			Hospital fo	or Serious Patients hospital)	
	Number of Daily Life	Facilities .		Bank					Number of Daily Life	Facilities		Bank		
	Post Office		2	Market					Post Office	_		Market		
	Bus Stop		0	Public Offic (Town Hall	ces branch, etc	:.)	2		Bus Stop				branch, etc.)	
	Main Land Use	Rice Field							Detail of products ser year of each product)		s through the bridge i	ocation (Na	me of the products, t	otal amount/price per
	Main Production	Agriculture												
	Road Class	District raod							Road Width: 4.5	Average Ro	oad Width	m,	Average Carriage W	ay Width
1	Surface Type	Concrete / Asphalt	/ Bitumen S	eal / Gravel	/ Soil / Ot	hers (	)		Actual Road Condition	Good / No	mal / Bad / Poor / (		)	
Present	Average Traffic Volume	Big Bus	Sma	ll Bus	Passen	ger Car	Motor B	ike	Big Track	Small		art y animals)	Bicycle and pedestrian	Boat
Condition of Access Road	(car/day)	0	0		0		200		5	5		)		0
	Place of Bottleneck				thers (	)			Minimum Width	<u></u>	m	Traffic Co	ntrol Up to	tone
	Remarks	Detail of bottleneck	in the acce	ss roads:										
						-								

		D 111 1 101	T (5 1 6				
		Road Network Plan	Traffic Infrastructure	Master Plan	Other Infrastructure	Priority of this bridge among the proposed bridges in this province	
	Village Level	Yes / No	Yes / No	Yes / No	Yes / No	Priority:	
Relevant	-	Material No.	Material No.	Material No.	Material No.	1 2 3 4 5 6	
Development Plan	District Level	Yes	Yes	Yes	Yes	X	
	5,50,750 25107	Material No.	Material No.	Material No.	Material No.	Reason of the priority;	
	Province Level	Yes / No	Yes / No	Yes / No	Yes / No		
	2010	Material No.	Material No.	Material No.	Material No.		
	Low Water Level	Depth 762.9 m	River Width 20 m	River Gradient (Estima	ate) 5%		
	Highest Flood	Depth 774.9 m	River Width m100	Year of the Flood	1997		
	riignest riodu	Velocity	m/sec	Rapid flow / Moderate	e flow /Slow flow		
River	Tidal effects	Have / No		River Bed Material			
	Bridge Surface Elevation	m from Averag	e Height of River Bed	Sand, Gravel			
	Navigation to be considered	Yes or No	m number an	d type of ships:	0		
	Up Stream Side	Special Remarks	The hydroelectric Plan	nt is far from bridge of	500m		
	Down Stream Side	Special Remarks					
		Transportation Route	Dien Bien - Na Son -	Na Phat		Other Additional Information to be Noted	
	Transportation of Steel Girder from	Carrying Method	Trailer Truck			1. Current bridge maintenance budget and system	
	the Provincial Capital	Road Condition for Transportation	Suitable				
		Any Bottleneck for Tra	ansportation: No (		>		
		Coffering for Piers	Earth Bank with Sand	Bags, River Diversion			
Bridge Construction		Containing for Frees	/ No Need (No water	in dry season)		2 Current and expected projects by other donors (WB, ADB, JBIC, etc.)	
		Steel Girder Erection	Suitable for Bent and	Truck Crane Method	Yes		
	Bridge Construction		Required Other Spec	ials Erection Methods	( )		
		Foundation Type	RC Pile (L < 15m)				
		(Assumption)	/ Special Foundation (	:	)		
		Expected Work Hinder					
Remark							

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Title of Respondent:
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														-					
Bridge No.	No. 8	Bridge Name	Pa	bat			Province N	isme	Dien Bien			Road	Network a	round the	Bridge (con	ceptional s	nap)		
	The R	oed on which ti	he bridge e	exist			Nearest Ci	ity (with po	pulation ov	er 20,000)	,								
Bridge Location	Road Name	e ]	Station o	of the Brid	dge	Nan	ne of the C	ity	Distanc	e From the Bridge									
	Su Lu Pa \	Vat	к	Km 14			Dien Bien			68									
	Bridge Length			m S	ipan		( m-	+ m+	- m+	m+ m)									
	Bridge Width			m C	Carriage W	ay Width				m									
	Superstructure Type	Cable bridge(3.	5m width;	100m in te	ength						1								
Present Condition of Bridge	Substructure Type	RC Column / F	RC Pile / W	Vooden Pil	le / Masor	nry / Nile /	Other (			)									
artoge	Present Condition (Eye Check) Necessity of	Weak																	
	Reconstruction Number of Days of	Yes Reason: To		rom comm	nuens to d	istrict					1	)							
	Closed to Traffic	Vehicle / Bike				ys/year,	pedestria	n or Bicycl	е:	days/year	<u> </u>								
	,	inf	formation o	of Villages	s Beyond	the Bridge		ra oac	·····		Informat	ion of the N	earest City	y (with pop	ulation over	r 20,000)			
	Number of Village		71	villages N	lame of Re	egional Tow	n	Na Na		Name of City	Dien Bien			Access Tin	ne from the	Bridge	180 minut	tes by bus	
	Population		16960	persons	lumber of	Household		2354	ouseholds	Population of City			persons	Number of			household		
	Average Income		62,000 ang.			Ratio of Mi			%	Average Income		Do	ong/month	village beyo	ne from the and the brid	ge site		minutes	
	Rate of School Attenda (Elementary School)	ance	15.1		late of Schi ligh School)	ool Attendan	ce (Junior	6.1	%	Remarks				(by general residents)	means of t	rip for the	Ву		
	Number of Educatio	nal Facilities		J	lunior High	School				Number of Education	nal Facilitie	9		Junior High	School				
Actual State of Social	Elementary School				ligh Schoo					Elemental School				High Schoo					
Economic	Number of Medical I	Facilities		(r	mergency middle size	hospital)		1		Number of Medical F	acilities			Emergency (middle size	e hospital)				
	Clinic (small size hospital)		6		lospital for large size	r Serious Pa hospital)	atients			Clinic (small size hospital)				Hospital for (large size	r Serious Pa hospital)	atients			
	Number of Daily Life	e Facilities		В	Bank					Number of Daily Life	Facilities			Bank					
	Post Office		7		Market			2		Post Office				Market			l		
	Bus Stop		1		Public Offic Town Hall	es branch, etc	:.)	5		Bus Stop					branch, etc				
	Main Land Use	Rice Field )								Detail of products ser year of each product		ts through t	he bridge lo	cation (Nar	ne of the pr	oducts, tot	al amount/	price per	
	Main Production	Agriculture																	
	Road Class	District Road								Road Width	Average R	load Width	4.5	m.	Average Ca	arriage Way	Width	m	
	Surface Type	Concrete / As	phalt / Biti	umen Sea	ıl / Gravel	/ Şoil / Ot	hers (	)		Actual Road Condition	Good / No	ormal / Bad	/ Poor / O	thers (	)				
Present	Average Traffic Volume	Big Bus	·	Small 6	Bus	Passen	ger Car	Moto	r Bike	Big Track	Small	Track		art y animals)	Bicycl pedes		В	oat	
Condition of Access Road	(car/day)	)				2		500		5 to 10	5 to 10		0				0	)	
	Place of Bottleneck	Bridge / Tunne				thers (	)			Minimum Width			m	Traffic Cor	ntrol	Up to		tone	
	Remarks	Detail of bottle	enecks in th	he access	roads:														
		Road Network	k Plan Tra	raffic Infra	structure	Maste	r Plan	Other Infr	astructure	structure Priority of this bridge among			mong the	the proposed bridges in this province					
		Yes / No	Ye	s / No			Yes / No		Priority :										
	Village Level	Material No		aterial No				Material M		<b>i</b> .			4						

	Road Network Plan	Traffic Infrastructure	Master Plan	Other Infrastructure	Priority of this bridge among the proposed bridges in this province
Village Level	Yes / No	Yes / No	Yes / No	Yes / No	Priority:
	Material No.	Material No.	Material No.	Material No.	. 1 2 3 4 5 6
District Level	Yes	Yes	Yes	Yes	х
5.54.101.2010.	Material No.	Material No.	Material No.	Material No.	Reason of the priority:
Province Level	Yes / No	Yes / No	Yes / No	Yes / No	
	Material No.	Material No.	Material No.	Material No.	
Low Water Level	Depth 525 m	River Width 60 m	River Gradient (Estim	ate) 59	
	Depth 532 m	River Width 100 m	Year of the Flood	1997	
rightest (1000	Velocity 2	m/sec	Rapid flow / Moderate	flow /Slow flow	
Tidal effects	No		River Bed Material		
Bridge Surface Elevation	m from Averag	ge Height of River Bed	Sand, Gravel, Boulder	, Rock	
Navigation to be considered	Yes or No	m number an	d type of ships:	0	
Up Stream Side	Special Remarks	No			
Down Stream Side	Special Remarks	No			
	Transportation Route	Dien Bien om Let S	Su Lu - Pa Bat		Other Additional Information to be Noted
Transportation of Steel Girder from	Carrying Method	Trailer Truck			1. Current bridge maintenance budget and system
the Provincial Capital	Road Condition for Transportation	Possible with small R	epair 		
	Any Bottleneck for Tr	ansportation (		)	
	Coffering for Piere	Sheet Pile, Earth Ban	with Sand Bags		
		/ No Need (No water	in dry season)		2 Current and expected projects by other donors (WB, ADB, JBIC, etc.)
	Steel Girder Frection	Suitable for Bent and	Truck Crane Method	(Yes / No)	
Bridge Construction	ottor direct Erection	Required Other Spec	ials Erection Methods	( )	
	Foundation Type	RC Pile (L > 15m)			
	(Assumption)	/ Special Foundation	:	)	
	Expected Work Hinder				
	Highest Flood  Tidal effects Bridge Surface Elevation Navigation to be considered Up Stream Side  Down Stream Side  Transportation of Steel Girder from the Provincial Capital  Bridge Construction	Village Level  Material No.  Yes  Material No.  Province Level  Province Level  Material No.  Yes / No  Material No.  Low Water Level  Depth 525 m  Velocity 2  Tidal effects  No  Bridge Surface Elevation Navigation to be considered  Up Stream Side  Down Stream Side  Transportation of Steel Girder from the Provincial Capital  Transportation Any Bottleneck for Tr  Coffering for Piers  Steel Girder Erection  Bridge Construction  Steel Girder Erection  Foundation Type (Assumption) Expected Work	Village Level	Yes / No   Yes / No   Yes / No   Yes / No   Material No.   Wear of the Flood Policity 2 m/sec Rapid flow / Moderate Tidal effects   No   River Width 100 m   Year of the Flood Policity 2 m/sec Rapid flow / Moderate Tidal effects   No   River Bed Material Sand, Gravel, Boulder Noavigation to be considered   Special Remarks   No   No   No   No   No   No   No   N	Ves

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Name of Respondent:	
Title of Respondent:	

				la									
Bridge No.	No. 9	Bridge Name	Su Lu		Province I	Name D	ien Bien			Road	Network around	the Bridge (conceptional	тар)
	The R	oad on which th	e bridge exist		Nearest C	ity (with pop	ulation ov	er 20,000)					
Bridge Location	Road Name	,	Station of the B	ridge Na	ame of the C	City	Distanc	e From the Bridge	l '				
	Pom lot - Su Lu -	raod 130	Km 4+500	1	Dien Bien cit	ty		54					
	Bridge Length		m	Span	( m	+ m+	m+	m+ m)	1				
	Bridge Width	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	m	Carriage Way Width				m	İ				·
	Superstructure Type	Suspension brid	lge										
Present Condition of Bridge	Substructure Type	RC Column / R	C Pile / Wooden F	Pile / Masonry / Nile	/ Other (			)	1				
oriuge.	Present Condition (Eye Check)	Good / Old / W	eak / Non Serious	s Damage / Serious D	amage / Flo	ow Out / Oth	er: Cause	way					
	Necessity of Reconstruction	Yes Reason: Co	nnecting to distric	ct from communes		***************************************			•	)			
	Number of Days of Closed to Traffic	Vehicle / Bike e	etc.: 30	days/yea	r, pedest	trian or Bicyc	le :	days/year					
		Info	rmation of Villege	es Beyond the Bridge	,				Informati	on of the Ne	sarest City (with	population over 20,000)	
	Number of Village		114 villages	Name of Regional To	ψn	Su Lu		Name of City			Acces	ss Time from the Bridge	120 minutes by bus
	Population		33403 persons	Number of Household	I	408010	useholds	Population of City			persons Numb	er of Household	households
, A	Average Income			Population Ratio of M		ļ	%	Average Income		Do	ng/month village	ss Time from the main beyond the bridge site	minutes
	Rate of School Attenda (Elementary School)	nce	15.1 %	Rate of School Attenda High School)	nce (Junior	6.1	%	Remarks			(by ge reside	eneral means of trip for the ents)	Ву
	Number of Education	nel Facilities		Junior High School				Number of Education	al Facilities		Junior	r High School	
Actual State of Social	Elementary School			High School				Elemental School		Dien Ban town	High S	School	
Economic	Number of Medical F	acilities		Emergency Hospital (middle size hospital)				Number of Medical F	acilities			gency Hospital le size hospital)	
	Clinic (small size hospital)		9	Hospital for Serious F (large size hospital)	atients			Clinic (small size hospital)				tal for Serious Patients size hospital)	
	Number of Daily Life	Facilities		Bank				Number of Daily Life	Facilities		Bank		
	Post Office			Market		2		Post Office			Marke		
	Bus Stop			Public Offices (Town Hall branch, et	c.)	9		Bus Stop			(Town	: Offices i Hall branch, etc.)	
	Main Land Use	Rice Field / Veg	getable Farm / Fre	uit Farm / Forest / M	eadow / Sw	ramp / Others	s (	Detail of products ser year of each product)		s through th	e bridge location	(Name of the products, to	al amount/price per
	Main Production	Agriculture / Fo	orestry / Industry	/ Commerce / Fishily	/ Others (	)							
	Road Class	National / Provi	ncial / District /	Others ( )				Road Width: 7	Average Ro	oad Width		m, Average Carriage Way	Width 3.5 m
		Concrete / Aspl	halt / Bitumen Se	nal / Gravel / Soil / C	thers (	)		Actual Road Condition	Good / No	rmal / Bad /	Poor / Others (	. , , , , , , , , , , , , , , , , , , ,	
Present	Average Traffic Volume	Big Bus	Small	I Bus Passer	nger Car	Motor I	Bike	Big Track	Small	Track	Cart (drawn by anima	Bicycle and pedestrian	Boat
Condition of Access Road	(car/day)				•	500		10 to 15	8 to 10		0	0	0
	Place of Bottleneck				)			Minimum Width	L	r	n Traffic	c Control Up to	tone
	Remarks	Detail of bottlen	ecks in the acces	ss roads:									

													· · · · · · · · · · · · · · · · · · ·
		Road Network Plan	Traffic Infrastructure	Master Plan	Other Infrastructure		Priority	of this brid	ige among	the propo	sed bridge	s in this ;	pravince
	Village Level	Yes / No	Yes / No	Yes / No	Yes / No	Priority :							
Relevant	Timego Ecres	Material No.	Material No.	Material No.	Material No.		1	2	3	4	5	6	
Development Plan	District Level	Yes	Yes	Yes	Yes	,	x						
		Material No.	Material No.	Material No.	Material No.	Reason of the pr	riority :						
	Province Level	Yes / No	Yes / No	Yes / No	Yes / No								
		Material No.	Material No.	Material No.	Material No.								
	Low Water Level	Depth 702.5 m	River Width 30 m	River Gradient (Estim	ate) 51								
	Highest Flood	Depth 702 m	River Width 150 m	Year of the Flood	199								
	I IIghtode 7 lood	Velocity	m/sec	Rapid flow / Moderate	e flow /Slow flow								
River	Tidal effects	Have / No		River Bed Material									
	Bridge Surface Elevation	m from Averag	e Height of River Bed	Sand, Gravel									
	Navigation to be considered	Yes or No	m number an	d type of ships:	0								
	Up Stream Side	Special Remarks			_								
	Down Stream Side	Special Remarks											
		Transportation Route	Dien Bien - Pom Let	- Su Lu				Other	Additional	Informatio	on to be N	oted	
	Transportation of Steel Girder from	Carrying Method	Trailer Truck			1. Current bridge	mainter	ance bude	et and sys	tem			
	the Provincial Capital	Road Condition for Transportation	Suitable										
		Any Bottleneck for Tr	ansportation: No (		)								
		Coffering for Piers	River Diversion										
Bridge Construction			/ No Need (No water	in dry season)		2 Current and ex	pected p	projects by	other done	ors (WB, /	OB, JBIC,	etc.)	
		Steel Girder Erection	Suitable for Bent and	Truck Crane Method	(Yes / No)								
	Bridge Construction	ottor andor Erodon	Required Other Spec	als Erection Methods	( )								
		Foundation Type	RC Pile (L > 15m)										
		(Assumption)	/ Special Foundation (		)								
		Expected Work Hinder											
Remark													

Date of Answer: March /

/2006

Title of Respondent:	
ricia di Naspondenc.	

Bridge No.	No. 10	Bridge Name	-	Ban Bung			Province I	Vame	Dien Bien			Road	Road Network around the Bridge (conce			nceptional	пар)	
	The R	oad on which t	the bridg	o exist			Nearest C	ity (with po	pulation ov	rer 20,600)	,							
Bridge Location	Road Name	•	Statio	n of the B	ridge	Naı	me of the C	City	Distanc	e From the Bridge								
	Bung Lao - Lic	h Lan		Km 0+40	ł	Town	of tuan Gia	o Dist		19	1							
	Bridge Length		40	m	Span		(1 n	n+ m	ı+ m	+ m+ m)	<b>,</b>							
	Bridge Width		2	m	Carriage Wa	y Width				1.8 m	1							
_	Superstructure Type	Suspension br	ridge			········ !	L				1							
Present Condition of	Substructure Type	Masonry									1							
Bridge	Present Condition (Eye Check)	Good / Old /	Weak / N	Ion Serious	s Damage /	Serious Da	mage / Flo	ow Out / Ot	her (	)								
	Necessity of Reconstruction	Yes Reason: [	Due to su	spension b	ridge, impos	sible acce	ss by vehic	el						)				
	Number of Days of Closed to Traffic	Vehicle / Bike	e etc. :		da	ys/year,	pedestria	ın or Bicyck	e:	days/year								
		In	nformatio	n of Village	es Bayond t	he Bridge					Informati	ion of the N	earest Cit	y (with pop	ulation ove	r 20,000)		
	Number of Village		26	villages	Name of Re	gional Tow	n	Ban Bung		Name of City		Tuan Giao		Access Tin	e from the	Bridge	minu	
	Population	140,000 ang/monti			Number of I	Household		1445	ouseholds	Population of City		persor		Number of	Household			households
	Average Income		140,000	ng/month	Population !	Ratio of Mi	nority	95	%	Average Income		Do	ng/month	Access Tin village beyo	nd the brid	ige site		minutes
	Rate of School Attenda (Elementary School)	ince			Rate of School)		ice (Junior		%	Remarks				(by general residents)	means of t	trip for the	Ву	
	2				Junior High	School		1		Number of Education	al Facilities	9		Junior High	School			
Actual State of Social	Elementary School				High Schoo			. 1		Elemental School		2		High Schoo	d			
Economic	1				Emergency (middle size	hospital)	~	1		Number of Medical F	acilities			Emergency (middle size				
	Clinic (small size hospital)		1		Hospital for (large size l		atients			Clinic (small size hospital)		2		Hospital for (large size		atients		
:	Number of Daily Life	Facilities			Bank					Number of Daily Life	Facilities			Bank				
	Post Office		1		Market			1		Post Office		1		Market				
	Bus Stop				Public Offic (Town Hall I		:.)			Bus Stop				Public Offic (Town Half	branch, etc			
	Main Land Use	Rice Field, Ve	egetable F	arm, Fore	st					Detail of products ser year of each product)					ne of the p	roducts, tot	al amount	/price per
	Main Production	Agriculture									,							
	Road Class	District raod								Road Width	Average R	load Width	4	m,	Average C	arriage Way	Width	3.0 m
	Surface Type	Gravel								Actual Road Condition	Bad							
Present	Average Traffic Volume	Big Bu	15	Small	l Bus	Passen	ger Car	Motor	r Bike	Big Track	Small	Track		art y animals)		le and strian	E	Boat
Condition of Access Road	(car/day)							500										
		Bridge / Tunn				thers (	)			Minimum Width	<u></u>		n	Traffic Cor	trol	Up to		tone
	Remarks	Detail of bottl	lenecks ir	the acces	ss roads:													
		í			fic infrastructure Master Plan Other infrastructure					Priority of	this bridge a	mong the	proposed b	ridges in +5	hie province			

				T	f e									
	Road Network Plan	Traffic Infrastructure	Master Plan	Other Infrastructur	<u> </u>	Pi	riority	of this bri	idge amon	g the pro	posed	bridges	in this province	
Village Level	Yes / No	Yes / No	Yes / No	Yes / No	Priority	<b>v</b> .:								
,	Material No.	Material No.	Material No.	Material No.	_	1		2	3	4	5	5	6	
	Yes / No	Yes / No	Yes / No	Yes / No		×								
District Cover	Material No.	Material No.	Material No.	Material No.	Reason	n of the prior	rity ;							
Province Level	Yes / No	Yes / No	Yes / No	Yes / No										
Trovince Lever	Material No.	Material No.	Material No.	Material No.										
Low Water Level	Depth 1.540,8 m	River Width 35 m	River Gradient (Estima	ate) 1	5%									
	Depth 1.544	River Width 40 m	Year of the Flood	1975										
	Velocity	m/sec	Rapid flow / Moderate	flow /Slow flow										
Tidal effects	Have / No		River Bed Material											
Bridge Surface Elevation	m from Averag	e Height of River Bed	Silt, Fine Sand											
Navigation to be considered	Yes or No 3	m number an	d type of ships:	0										
Up Stream Side	Special Remarks	There is irrigational da	m by RC far from 100	m	_[									
Down Stream Side	Special Remarks	Resident people living	along two sides of rive	er										
	Transportation Route	NH6A; NH279						Othe	r Addition	al Inform	ation to	be No	oted	
Transportation of Steel Girder from	Carrying Method	Trailer Truck			1, Curr	rent bridge m	nainten	ance bud	get and s	ystem			-	
the Provincial Capital	Road Condition for Transportation	Suitable				District bud	get for	maintena	nce					
	Any Bottleneck for Tr	ansportation (		)	1									
		Sheet Pile / Earth Ba	nk with Sand Bags / R	iver Diversion										
		/ No Need (No water	in dry season)		2 Curre	ent and expe	ected p	rojects b	y other do	onors (WE	3. ADB,	JBIC,	etc.)	
		Suitable for Bent and	Truck Crane Method	Yes										
Bridge Construction		Required Other Spec	ials Erection Methods	( )										
	Foundation Type	Spread Foundation / F	RC Pile (L < 15m) / RC	Pile (L > 15m)										
	(Assumption)	/ Special Foundation (	:	)										
	Expected Work Hinder	Construction site is n	arrow											
E E F C L L	Province Level  Low Water Level  Low Water Level  Highest Flood  Tidal effects  Bridge Surface  Elevation  Navigation to be considered  Up Stream Side  Down Stream Side  Transportation of Steel Girder from the Provincial Capital	Village Levei  Waterial No.  Yes / No Material No.  Low Water Level  Depth 1.540,8 m  Depth 1.544  Velocity  Tidal effects Have / No Bridge Surface Eleveian Navigation to be considered Up Stream Side Down Stream Side Special Remarks Down Stream Side Special Remarks  Transportation of Steel Girder from the Provincial Capital  Transportation For Transportation For Transportation Any Bottleneck for Tr  Coffering for Piers  Steel Girder Erection  Bridge Construction  Foundation Type (Assumption) Expected Work	Village Level  Ves / No Material No.  Material No.  Ves / No Material No.  Ves / No Material No.  Province Level  Material No.  Ves / No Material No.  Material No.  Low Water Level  Depth 1.540,8 m River Width 35 m  Depth 1.544 River Width 40 m  Velocity m/sec  Tidal effects  Have / No  Bridge Surface Elevation Navigation to be Considered  Up Stream Side  Down Stream Side  Special Remarks  Special Remarks  Transportation of Steel Girder from the Provincial Capital  Transportation  Any Bottleneck for Transportation (  Coffering for Piers  Steel Girder Transportation (  Coffering for Piers  Steel Girder Electhon  Any Bottleneck for Transportation (  Steel Girder Erection  Any Bottleneck for Transportation (  Steel Girder Erection  Required Other Spec Foundation Type  Special Foundation (  Steel Girder Erection)  Steel Girder Erection  Required Other Spec Foundation Type  Special Foundation (	Village Level  Yes / No  Material No.  Mater	Village Level  Yes / No  Yes / No  Material No.  Material No.  Wes / No  Yes / No  Yes / No  Yes / No  Material No.  Material No	Village Level  Yes / No Yes / No Yes / No Material No. Ma	Village Level    Yes / No	Ves / No	Visilage Level  Ves / No  Ves / No  Material No.  Material	Village Level  Yes / No Yes / No Yes / No Yes / No Yes / No Yes / No Yes / No Yes / No Yes / No Yes / No Yes / No Yes / No Yes / No Yes / No Xetarial No Material No No Material No No Material No No Material No No Material No No Material No No No No No No No No No No No No No	Ves / No	Ves / No Yes / No Material No. Material No. Material No. Material No. 1 2 3 4 5 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Visinge Level  Yes / No Yes / No Yes / No Yes / No Waterial No. Material Vising Level   Yes / No	

Date of Answer:	March /	/2006	
Name of Respondent:			
Title of Respondent:			_

Bridge No.	No. 11	Bridge Nan	ne	Pac Nam			Province I	Name	Dien Bien			Road	Network	round the	Bridge (co	nceptional	nap)	
	The R	oed on whic	ch the bridg	e exist			Nearest C	ity (with po	pulation ov	ver 20,000)	,							
Bridge Location	Road Nam	e	Statio	on of the E	ridge	Na	me of the (	City	Distanc	e From the Bridge								
	Bung Lao - Lic	h Lan		Km 8+700		Te	uan Giao to	wn		27.7km	1							
	Bridge Length		40	m	Span		( 1 r	т+ п	n+ m	+ m+ m	)							
	Bridge Width		2	m	Carriage W	ay Width				1.8 m	Ì							
n	Superstructure Type	Suspension	n bridge															
Present Condition of	Substructure Type	RC Column	n / RC Pile .	/ Wooden	Pile / Maso	nry / Nile /	Other (			)								
Bridge	Present Condition (Eye Check)	Weak									İ							
	Necessity of Reconstruction	Yes Reason	n: Travelling	by cause	vay, impossi	ble access	in flood sea	ason			•			)				
	Number of Days of Closed to Traffic	Vehicle / E	Bike etc. :		di	ys/year,	pedestria	n or Bicycl	e :	days/year	1							
			Informatio	n of Villag	es Beyond	the Bridge					Informati	on of the h	learest Cit	y (with pop	ulation ove	er 20,000)		
	Number of Village		18	villages	Name of R	egional Tov	vn	Muong Lan		Name of City				Access Tir	ne from the	e Bridge	minute	
	Population		5764	persons	Number of	Household			nouseholds	Population of City			persons	Number of	Household			households
•	Average Income			ng/month	Population	Ratio of M	inority		%	Average Income		D	ong/month	Access Tir				minutes
	Rate of School Attenda (Elementary School)	nce			Rate of Sch High School		nce (Junior		%	Remarks				village beyond the bridge site (by general means of trip for the residents)			Ву	
	Number of Educatio	nal Facilitie	3		Junior High	School		1		Number of Education	al Facilities	)		Junior High	School			
Actual State	Elementary School		2		High Schoo	d				Elemental School	***************************************	2		High Scho			. ——	
of Social Economic	Number of Medical i	Facilities			Emergency (middle size					Number of Medical F	acilities			Emergency (middle siz				
	Clinic (small size hospital)		1		Hospital for (large size		atients			Clinic (small size hospital)		1		Hospital fo	r Serious F	atients		
	Number of Daily Life	Facilities			Bank					Number of Daily Life	Facilities			Bank				
	Post Office		1		Market					Post Office		1		Market				
	Bus Stop				Public Offic (Town Hall		c.)	1		Bus Stop				Public Offi (Town Hall	ces branch, et	c)		
	Main Land Use	Rice Field,	Vegetable F	arm ,Fruit	Farm, Fore:	it			· ·	Detail of products ser year of each product)							al amount	/price per
	Main Production	Agriculture																
	Road Class	District road								Road Width	Average Ro	oad Width	4	m,	Average C	arriage Way	Width	3.0 m
	Surface Type Gravel									Actual Road Condition	Bad							
Present	Average Traffic Volume	Big	Bus	Sma	li Bus	Passer	ger Car	Moto	r Bike	Big Track	Small	Track		art y animals)		ele and strian	Е	Boat
Condition of Access Road	(car/day)							400			20							
	Place of Bottleneck	Bridge / Tunnel / Narrow Width Section / Others ( )								Minimum Width			m	Traffic Co	ntrol	Up to		tone
	Remarks	Detail of bottlenecks in the access roads:																

L	<b></b>						_						
		Road Network Plan	Traffic Infrastructure	Master Plan	Other Infrastructure		Priority	of this brid	ige among	the propo	sed bridge	s in this province	
	Village Level	Yes / No	Yes / No	Yes / No	Yes / No	Priority;							
Relevant		Material No.	Material No.	Material No.	Material No.		1	2	3	4	5	6	
Development	District Level	Yes / No	Yes / No	Yes / No	Yes / No			x					
	5.54.00	Material No.	Material No.	Material No.	Material No.	Reason of the	oriority :						
1	Province Level	Yes / No	Yes / No	Yes / No	Yes / No								
		Material No.	Material No.	Material No.	Material No.								
	Low Water Level	Depth 1.640,4 m	River Width 20 m	River Gradient (Estima	ate) 15%								
	Highest Flood	Depth 1.644 m	River Width 35 m	Year of the Flood	1991								
		Velocity	m/sec	Moderate flow									
River	Tidal effects	No											
Condition	Bridge Surface Elevation	m from Averag	e Height of River Bed	Sand, Gravel, Rock									
	Navigation to be considered	No m number and type of ships: 0											
}	Up Stream Side	Special Remarks	Special Remarks										
	Down Stream Side	Special Remarks											
		Transportation Route	NH6A, NH279; Bung L	ao Lich Lan				Other	Additional	Informati	on to be N	oted	
	Transportation of Steel Girder from	Carrying Method	Trailer Truck			1, Current brid	e mainten	ance budg	et and sys	tem			
	the Provincial Capital	Road Condition for Transportation	Suitable										
		Any Bottleneck for Tr	ansportation (		)								
		Coffering for Piers	Sheet Pile / Earth Bar	nk with Sand Bags / R	iver Diversion								
Bridge Construction		ooof mg for 1 fet's	/ No Need (No water	in dry season)		2 Current and	expected p	rojects by	other don	ors (WB, A	ADB, JBIC	etc.)	
		Steel Girder Erection	Suitable for Bent and	Truck Crane Method	(Yes / No)								
	Bridge Construction		Required Other Speci	als Erection Methods	( )								
		Foundation Type	Spread Foundation / RC Pile (L < 15m) / RC Pile (L > 15m)										
		(Assumption)	Special Foundation ( )										
		Expected Work Hinder											
Remark			<u> </u>										

Date of Answer: March /

/2006

Name of Respondent:

Title of Respondent: Director of Infrastructural Division

Bridge No.	No. 12	Bridge Nam	ne	San Thang				Lai Chau			Road	Network a	round the	Bridge (conceptional i	map)		
	The R	oad on whic	h the brid				Nearest C	ity (with po	pulation o	ver 20,000)	,						
Bridge Location	Road Name	e	Stat	ion of the B	ridge	Na	me of the C	City	Distanc	ce From the Bridge	1						
	Sao Thang - Ta	Lang		Km 0+350			ai Chau Tov	wn		7.5km							
	Bridge Length	Causeway	45	. m	Span		( m	+ m+	- m+	m+ m)	İ						
	Bridge Width	<u> </u>			Carriage W	av Width				3 m							
	Superstructure	D-3 D-14.					L	(N. O.24	/ Out /								
Present	Туре			en Bridge /				No Bridge	/ Other (	)							
Condition of Bridge	Substructure Type Present Condition			/ Wooden I						)							
	(Eye Check)	Good / Old	I / Weak /	Non Serious	s Damage /	Serious D	amage / Flo	ow Out / Ot	ther (	)							
	Necessity of Reconstruction	Yes / No	Reas	on (		137 10.000.000				)							
	Number of Days of Closed to Traffic	Vehicle / B	like etc. :	90		days/year	, pedest	trian or Bicy	/cle :	days/year					_		
-			Informati	on of Villag	es Beyond	the Bridge					Informat	ion of the N	earest Cit	y (with pop	ulation over 20,000)		
	Number of Village		15	i villages	Name of R	egional Tov	yn	Soa Thang		Name of City		Lai Chau		Access Time from the Bridge			) minutes
	Population		175	persons	Number of	Household		37	юuseholds	Population of City		20000	persons	Number of	Household	73000	nouseholds
	Average Income	-	200,000	ong/month	Population	Ratio of M	inority	100	×	Average Income		300,000	ng/month		ne from the main ond the bridge site		minutes
	Rate of School Attenda (Elementary School)	ance	90	) %	Rate of Sch High School	iool Attendar	nce (Junior	85	%	Remarks		·			manne of trin for the	By foot	
	Number of Education	nal Facilities	8		Junior Hig			0		Number of Education	al Facilities	8		Junior High	n School	10	) .
Actual State	Elementary School		1		High Scho	ol		0		Elemental School		30		High School	H	1	
of Social Economic	Number of Medical F				Emergency			0		Number of Medical F	acilities	<u>.                                    </u>		Emergency	Hospital		
	Clinic			`	(middle siz Hospital fo	e hospital) r Serious P	atients	0		Clinic		Τ .		(middle size Hospital fo	e hospital) r Serious Patients		
	(small size hospital)  Number of Daily Life	EWat			(large size	hospital)				(small size hospital)	6 Facilities			(large size			
		racincies			Bank			1		Number of Daily Life				Bank		3	
	Post Office				Market Public Offi	7.8S		1		Post Office		1		Market Public Offic		2	
	Bus Stop				(Town Hall	branch, etc	s.)	0		Bus Stop	** ** ** ***	1		(Town Hall	branch, etc.)	>100	
	Main Land Use	Rice Field, \	Vegetable	Farm, Fruit	Farm, Fore	st				year of each product)	: Rice: 2,80	0dong/kg; Po	ork meat: 1	5,000-17,0	ne of the products, tot 00 dong/kg	al amount/	price per
·····	Main Production	Agriculture,	Forestry	, Industry, C	ommerce						1						
	Road Class	National roa	ad - rural :	road class B	i class B					Road Width: 7	Average Road Width 5			m,	Average Carriage Way	Width	3.5 m
		Asphalt, Gra	avel	<b>,</b>						Actual Road Condition	Good / Normal / Bad / Poor /			thers (	>		
Present	Average Traffic Volume	Big 6	Bus	Small	Bus	Passen	ger Car	ar Motor Bike		Big Track	Small	Track	(drawn by		Bicycle and pedestrian	В	oat
Condition of Access Road	(car/day)	0		0		0		100	100 0			40				0	)
	Place of Bottleneck	Bridge / Tu	nnel / Na	rrow Width S	Section / O	thers (	)			Minimum Width			m	Traffic Cor	itrol Up to		tone
	Remarks	Detail of bo	ttlenecks	in the acces	s roads:	~											_
	TOTAL NO.																
		Road Netv	vork Plan	Traffic Infr	astructure	Maste	r Plan	Other Infra	astructure		Priority of t	thic bridge a	mong the	nronneed b	ridges in this province		
		Yes		Yes		Yes		Yes		Priority :				proposed D	riages in this province		
	Village Level	Material No.		Material No	,	Material No	,	Material No		1	2	: 3	4	5	6		
Relevant Development		Yes / No		Yes / No		Yes / No	<u>.</u>	Yes / No		×		. 3	4	5	•		
	District Level	Material No.	<del></del> :	Material No													
				-	'.	Material No	J.	Material No	). 	Reason of the pri		sible access	to villiages	(15) of 2 o	communes. Effect to liv	ing and	
	Province Level	Yes / No		Yes / No 		Yes / No		Yes / No		education	of local peo	pple	to runago	, (, 0, 0, 0	onunanes. Errece to av	ing and	
		Material No.		Material No		Material No		Material No	).								
	Low Water Level	Depth		River Width	10 m		ient (Estima	ite)	< 10 %								
	Highest Flood	Depth	4	River Width	30 m		e Flood	1996									
		Velocity		m/sec		Rapid flow											
River Condition		Have / No				River Bed											
	Bridge Surface Elevation	m fr	om Averag	ge Height of	River Bed	Boulder, Ro	ock 										
	Navigation to be considered	Yes or No		m	number and	d type of sh	ips:										
	Up Stream Side	Special Rem	narks	Boulder >50	0cm												
	Down Stream Side	Special Rem	narks														
		Transportat	ion Route	Motorbike			· - <del></del>					Other Addi	itional Info	rmation to	be Noted		
	Steel Girder from	Carrying Me	thod	Trailer Truc	ok					1. Current bridge	maintenanc	ce budget ar	nd system				
		Road Condit Transportat		Suitable	Suitable					No constru	uction works	s					
1	l l			ansportation	sportation: Yes at curve section				···	)							
		Sheet Pile / Earth Bank with Sand Bags / River			ver Diversion	on								l			
Bridge Construction	ļ	Coffering for Piers / No Need (No water in dry season)  Suitable for Bent and Truck Crane Method Yes					2 Current and exp	ected proi	ects by othe	er donors (	WB, ADB	JBIC, etc.)					
					Yes												
	Bridge Construction	Steel Girder	r Erection	Required C					)								ľ
	ł	Foundation	Туре	SRC Pile (L													
	}			/ Special Fo					)								
	Expected Work							•									
		Hinder		1			-										
Remark																	i

Date of Answer: March / /2006

Title of Respondent:	
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Bridge No.	No. 13	Bridge Name Pa Tan Province Name Lai Ch						ai Chau Road Network around the Bridge (conceptional map)							
		oad on which the bri			<del> </del>	t City (with po		20 000)							
Bridge									'						
Location	Road Nam		tion of the E	Sridge	Name of the		Distan	ce From the Bridge							
	Pa Tan - Huoi	Lung	Km 0	,	Phong The	town		12km	1						
	Bridge Length	8	6 m	Span	(	m+ m+	. m-	- m+ m)							
	Bridge Width	4.	5 m.	Carriage V	Vay Width			4 m							
	Superstructure Type	Suspension Bridge							1						
Present Condition of	Substructure Type	RC Column													
Bridge	Present Condition	Non Serious Damage													
	(Eye Check) Necessity of					1 1 4 10			j						
	Reconstruction Number of Days of	Yes Reason : Inceas	ng arrect ro						1				)		
ļ	Closed to Traffic	Vehicle / Bike etc. :				trian or Bicycle	e :	days/year							
		Informat	ion of Villag	es Beyond	the Bridge	1			Informat	ion of the Nea	rest City	(with pop	ulation over 20,000)		
	Number of Village	3	3 villages	Name of F	Regional Town	Po To - Huoi Lung		Name of City		Tho small		Access Tir	ne from the Bridge	minutes	
	Population	855	7 persons	Number of	Household	1573	ouseholds	Population of City			persons	Number of	Household	households	
	Average Income		Dong/month	Population	Ratio of Minority		*	Average Income		Dong			ne from the main	minutes	
	Rate of School Attenda (Elementary School)	ance	%	Rate of School	nool Attendance (Juni	or	*	Remarks		1		(by general means of trip for the			
	Number of Educatio	nal Facilities		Junior Hig		2		Number of Education	nal Facilitie			residents) Junior Hig	a School	ļ ·	
Actual State	Elementary School			High Scho	ol .	2		Elemental School				High Scho			
of Social Economic	Number of Medical I	E1864(		Emergenc								Emergency			
Lucinomic	Clinic				e hospital) or Serious Patients	0		Number of Medical Facilities Clinic				(middle siz	e hospital) r Serious Patients		
	(small size hospital)	L	2	(large size		0		Clinic (small size hospital)				(large size			
	Number of Daily Life	Facilities		Bank		0		Number of Daily Life	Facilities			Bank			
	Post Office		o	Market		1		Past Office			Ì	Market			
	Bus Stop		Public Offices (Town Hall branch, etc.)			0		Bus Stop				Public Offi (Town Hall	ces branch, etc.)		
	Main Land Use	Rice Field / Vegetab	e Field / Vegetable Farm / Fruit Farm / Forest / Meado			Swamp / Othe	rs (	Detail of products ser year of each product)		ts through the			ne of the products, to	tal amount/price per	
ŀ	Main Production	Agriculture / Forestry / Industry / Commerce / Fishily / Others (						year or each product)							
	Road Class	National / Provincial			)			Road Width	Average R					He had	
	<b> </b>				·····			Actual Road	<del></del>				Average Carriage Wa	y Width m	
	Surface Type Average Traffic	Concrete / Asphalt /	Т		1	)		Condition		ermal / Bad / F	Poor / Ot Ca		)		
Present	Volume	Big Bus	Sma	ll Bus	Passenger Car	Motor	Bike	Big Track	Small	Track (	drawn by		Bicycle and pedestrian	Boat	
Condition of Access Road	(car/day)					200			10-May					]	
	Place of Bottleneck	Bridge / Tunnel / Na	70.6		Others ( )			Minimum Width		m		Traffic Co	ntrol Up to	tone	
	Remarks	Detail of bottlenecks	in the acce	ss roads:											
	Tremarks														
	1	Bood Natural Diag	T-65- 1-6		14 . 51	1011 16									
		Road Network Plan	Traffic Info	astructure	Master Plan	Other Infra	structure		Priority of	this bridge am	ong the p	proposed b	ridges in this provinc		
	Village Level	Yes	Yes		Yes / No	Yes		Priority :							
Relevant		Material No.	Material N	o.	Material No.	Material No	l.	1	2	3	4	5	6		
Development Plan	District Level	Yes	Yes		Yes / No	Yes		x							
	Sistinct Ecver	Material No.	Material No	<b>0</b> .	Material No.	Material No		Reason of the pri	ority ;						
		Yes / No	Yes / No		Yes / No	Yes / No									
	Province Level	Material No.	Material No	o.	Material No.	Material No									
	Low Water Level	Depth n	River Width	50 m	River Gradient (Est										
			River Width		Year of the Flood	1986									
	Highest Flood				L										
		Velocity	m/sec		Rapid flow / Moder	ate flow / Slow	flow								
River Condition	Tidal effects	No			River Bed Material										
30	Bridge Surface Elevation	m from Avera	ge Height of	River Bed	Fine Sand, Gravel										
	Navigation to be considered	Yes or No	es or No m number and type of ships: 0												
	Up Stream Side	Special Remarks	ecial Remarks												
	Down Stream Side	Special Remarks													
		Transportation Route	te NH15 ~ ~						Other Addition	onal Info	mation to	be Noted			
	Transportation of		arrying Method Trailer Truck					Other Additional Information to be Noted							
	Steel Girder from the Provincial	Road Condition for	ad Condition for Suitable				1. Current bridge maintenance budget and system								
	Capital	transportation					Local Budget								
						)							į		
Bridge		Sheet Pile Coffering for Piers													
Construction			/ No Need	(No water	in dry season)			2 Current and expected projects by other donors (WB, ADB, JBIC, etc.)					l		
		Steel Girder Erection	Suitable fo	r Bent and	Truck Crane Metho	d Yes									
	Bridge Construction		Required (	Other Spec	ials Erection Metho	ds (	)								

Spread Foundation / Special Foundation (

(Assumption) Expected Work Hinder

Date of Answer: March / 13 /2006

Name of Respondent: <u>Lu Van Huong</u>

Title of Respondent: Vice Director of Technical Division

Bridge No.	No. 14	Bridge Nam	Nam Puc		Province f	lame Lai Cha	au	l	Road	Network	around the	Bridge (co	nceptional	msp)
	The R	cad on whic	h the bridge exist		Nearest C	ity (with population	n over 20,000)	<b></b>						
Bridge Location	Road Nam	e	Station of the B	ridge	Name of the C	City Dis	tance From the Bridge	1						
	Bun To - Nam	Puc	~		Muong Te		18	1						
	Bridge Length		m	Span	( m	+ m+	m+ m+ m)	1						
	Bridge Width		m	Carriage Way \	Width		m	1						
Present.	Superstructure Type	No bridge		·										
Condition of Bridge	Substructure Type	No bridge						1						
<b></b>	Present Condition (Eye Check)	At present	using causeway											
	Necessity of Reconstruction	Yes Reason	: Ensuring travelling	for local people	whole 4 seasons		740.10	•		>				
	Number of Days of Closed to Traffic	Vehicle / B	íke etc.: 90 ( 3 mont	hs in 3 month r	rainy season day	ys/year, pedest	rian or Bicycle :	days/	уеаг					
			Information of Villag	es Beyond the	Bridge			Informati	on of the N	earest Ci	y (with pop	ulation ov	er 20,000)	
	Number of Village		38 villages	Name of Regio	onal Town	Pac Ma	Name of City		small			me from th	60 minutes by bus	
	Population		13532 persons	ns Number of Household		2245 rouseho	ilds Population of City		4140	persons	Number of	Household	1	household
	Average Income		140,000 ang/month	Population Rat	tio of Minority	100	% Average Income		140,000	ng/month		me from the		minute
	Rate of School Attenda (Elementary School)	ence	*	Rate of School / High School)	Attendance (Junior		% Remarks				(by general means of trip for the residents)			By motorbike, pedestrian
	Number of Educatio	nal Facilities		Junior High Sc	chool		Number of Education	nal Facilities	1		Junior Hig	h School		
Actual State of Social	Elementary School			High School			Elemental School		4		High Scho	ol		
Economic	Number of Medical I	acilities		Emergency Ho (middle size ho	ospital)	1	Number of Medical F	acilities			Emergence (middle size	y Hospital e hospital)		1
	Clinic (small size hospital)		1	Hospital for Se (large size hos	erious Patients pital)	0	Clinic (small size hospital)		1		Hospital fo	or Serious F hospital)	Patients	0
	Number of Daily Life	Facilities		Bank		0	Number of Daily Life	Number of Daily Life Facilities			Bank	· · · · · · · · · · · · · · · · · · ·		2
	Post Office		1	Market		0	Post Office		1		Market			2
	Bus Stop		0	Public Offices (Town Hall bra	nch, etc.)	0	Bus Stop		0		Public Offi (Town Hall	ces I branch, et	c.)	
	Main Land Use	Forest					Detail of products se year of each product		s through th	e bridge k				tal amount/price per
·	Main Production	Forestry												
	Road Class	National / P	Provincial / District /	Others (	)		Road Width: 6	Average Ro	ad Width		m,	Average C	arriage Way	Width 3.5 r
	Surface Type	Rural road o	class B – gravel. Soil				Actual Road Condition	Normal						<del></del>
Present	Average Traffic Volume	Big E	Bus Smal	l Bus	Passenger Car	Motor Bike	Big Track	Small	Track		art y animals)		le and	Boat
Condition of Access Road	(car/day)	0	0		4-Mar	50-70	15-Dec	15		0		(		0
	Place of Bottleneck		nnel / Narrow Width S		rs ( )		Minimum Width			m	Traffic Co	ntrol	Up to	tone
i	Remarks	Detail of bot	ttlenecks in the acces	ss roads:					,				•—	
			rork Plan Traffic Infr		Master Plan	Other Infrastructu	-	Priority of t				······································		

		Road Network Plan	Traffic Infrastructure	Master Plan	Other Infrastructure		Priority	of this brid	ige among	the propo	sed bridge	s in this province	
	Village Level	Yes / No	Yes / No	Yes / No	Yes / No	Priority :							
Relevant	Timago Ester	Material No.	Material No.	Material No.	Material No.		1	2	3	4	5	6	
Development Plan	District Level	Yes	Yes	Yes	Yes								
	District Ecver	Material No.	Material No.	Material No.	Material No.	Reason of the	priority ;						
	Province Level	Yes	Yes	Yes	Yes								
		Material No.	Material No.	Material No.	Material No.								
	Low Water Level	Depth m	River Width m	River Gradient (Estim	ate)								
	Highest Flood	Depth m	River Width 80-150 m	Year of the Flood									
	riighest i lood	Velocity	m/sec	Rapid flow / Moderate	flow /Slow flow								
raver	Tidal effects	Have / No		River Bed Material									
	Bridge Surface Elevation	m from Averag	e Height of River Bed	eight of River Bed Silt / Fine Sand / Sand / Gravel /Boulde Rock									
	Navigation to be considered	Yes or No	number and type of ships:										
	Up Stream Side	Special Remarks	pecial Remarks										
	Down Stream Side	Special Remarks											
		Transportation Route	BumTo - Nam Puc; N	am Puc - Pac Ma				Other	Additional	Informatio	n to be N	oted	
	Transportation of Steel Girder from	Carrying Method	Trailer Truck			1. Current bride	te mainter	ance budg	et and syst	em			
	the Provincial Capital	Road Condition for Transportation	Possible with small R	epair		Maintena	ance cost:	200,000,00	0 d/year				
		Any Bottleneck for Tr	ansportation (		)								
		Coffering for Piers	River Diversion										
Bridge Construction			/ No Need (No water	in dry season)		2 Current and e	xpected p	rojects by	other done	rs (WB, A	DB, JBIC	etc.)	
		Steel Girder Erection	Suitable for Bent and	Truck Crane Method	(Yes / No)								
	Bridge Construction		Required Other Spec	als Erection Methods	( )								
		Foundation Type	pread Foundation / RC Pile (L < 15m) / RC Pile (L > 15m)										
		(Assumption)	Special Foundation ( )										
		Expected Work Hinder											
Remark													

Date of Answer: March / 13 /2006

Name of Respondent:

Lu Van Huong Title of Respondent: Vice Director of Technical Division

Bridge No.	No. 15	Bridge Nar	me	Huoi Dit Province Name Lai Chau						_	ı	Road	Natural	round the	Bridge (conceptional	man)
Drioge No.	<del> </del>	<u> </u>		L						00 000\		11040	146tMOLK (	er quing tire	Bridge (Conceptional	тар,
Bridge		load on which		<del></del>				ity (with pop			'					
Location	Road Nam		Stat	ion of the E	Bridge		of the C		Distanc	ce From the Bridge	ļ					
· · · · · · · · · · · · · · · · · ·	Nam Puc _ Pa	ic Ma		Km 7		Muiong T	e small	town		25						
	Bridge Length			m	Span	(	m	+ m+	m+	m+ m)						
	Bridge Width			m	Carriage W	ay Width				m						
  D	Superstructure Type	Temporary	Wooden B	ridge												
Present Condition of	Substructure Type	Masonry														
Bridge	Present Condition (Eye Check)	Old and W	leak								1					
	Necessity of	Yes Reaso	n: It is nece	essary to c	onstruct bri	dge to serve the	e local	people in tra	velling who	ole year	J				)	
	Reconstruction Number of Days of Closed to Traffic	f	-			s in rainy seaso		pedestrian or		days/y	- rear				,	
			Informati	on of Villag	es Beyond	the Bridge		-			Informati	on of the Ne	earest Cit	y (with pop	ulation over 20,000)	· · · · · · · · · · · · · · · · · · ·
	Number of Village		38	villages	Name of R	egional Town		Pac Ma		Name of City		Muong Te town		Access Tir	ne from the Bridge	15 minu
	Population						persons	Number of	Household	househo						
	Average Income 140,000 ang/mo			ong/month	Population	Ratio of Minori	ity	100		Average Income		140,000	ng/month		ne from the main	minu
	Rate of School Attend (Elementary School)	ate of School Attendance Elementary School)			Rate of Sch High School	ool Attendance (	(Junior		%	Remarks					ond the bridge site means of trip for the	By motorbike, vehi
	Number of Educational Facilities				Junior High	h School				Number of Education	nal Facilities	3		Junior High	School	
Actual State	Elementary School 1 for each village				High Scho	ol		0		Elemental School		4		High School	ol .	
of Social Economic	Number of Medical	Facilities		•••	Emergency (middle siz		ospital) Number of Medical Facilities (middle size hospital)					1				
	Clinic (small size hospital)		1 for each village			r Serious Patier	nts	0	Clinic				r Serious Patients	0		
	Number of Daily Life	e Facilities	village		Bank	позрісві		0		Number of Daily Life Facilities				Bank	nospital)	2
	Post Office		1		Market			0		Post Office				Market		2
	Bus Stop		0		Public Offi					Bus Stop		0		Public Offi	cės	
	Main Land Use	Rice Field,			(Town Hall	branch, etc.)					nt to market		e bridge lo		branch, etc.) ne of the products, to	al amount/price ne
		1			L					year of each product)	t There are	a lot of prod	ucts and f	oods		
	Main Production				-	ce / Fishily / O	thers (	)							· · · · · ·	
	Road Class	National /				)				Road Width Actual Road	Average R	oad Width	6	m,	Average Carriage Way	Width 3.5
	Surface Type	Concrete /	/ Asphalt /	Bitumen S	eal / Grave	/ Soil / Others	s (	)		Condition	Good / No	rmal / Bad /			)	
Present	Average Traffic Volume	Big	Bus	Sma	ll Bus	Passenger	Car	Motor	Bike	Big Track	Small	Track	(drawn by		Bicycle and pedestrian	Boat
Condition of Access Road	(car/day)	0		0		4-Mar		40-70		15-Dec	15		0		0	
	Place of Bottleneck   Bridge / Tunnel / Narrow Width Section / Others ( )							Minimum Width		r	n	Traffic Cor	itrol Up to	tone		
	Remarks	Detail of bo	ottlenecks i	n the acce	ss roads:				1.74	***************************************	•	:				
	NonidERS															
		Pond N-4	work Pio-	Troffic I-6		Master Of		Other lef			n					
		Road Net	work Plan	Traffic Info		Master Pla		Other Infra	structure	The state of the s						
	Yes Yes Yes Yes							Priority:								

	,					
		Road Network Pian	Traffic Infrastructure	Master Plan	Other Infrastructure	Priority of this bridge among the proposed bridges in this province
	Village Level	Yes	Yes	Yes	Yes	Priority.;
Relevant	Vinage Level	Material No.	Material No.	Material No.	Material No.	1 2 3 4 5 6
evelopment Pan	District Level	Yes	Yes	Yes	Yes	
	DISTRICT LOVE	Material No.	Material No.	Material No.	Material No.	Reason of the priority:
	Province Level	Yes	Yes	Yes	Yes	
		Material No.	Material No.	Material No.	Material No.	
	Low Water Level	Depth m	River Width m	River Gradient (Estim	ate)	
	Highest Flood	Depth m	River Width m	Year of the Flood		
	, iigilest 1 lood	Velocity	m/sec	Rapid flow / Moderate	flow /Slow flow	
iver	Tidal effects	Have / No		River Bed Material		
ondition	Bridge Surface Elevation	m from Averag	ge Height of River Bed	Silt / Fine Sand / Sar Rock	nd / Gravel /Boulder /	
	Navigation to be considered	Yes or No	m number an	d type of ships:		
	Up Stream Side	Special Remarks				
	Down Stream Side	Special Remarks				
		Transportation Route	Bum To - Nam Puc -	Nam Puc - Pac Ma		Other Additional Information to be Noted
	Transportation of Steel Girder from	Carrying Method	Trailer Truck			1. Current bridge maintenance budget and system
	the Provincial Capital	Road Condition for Transportation	Possible with small R	epair		Annual Maintenance cost: 200,000,000 dong/year
		Any Bottleneck for Tr	ansportation (		)	
		Coffering for Piers	River Diversion			
idge onstruction			/ No Need (No water	in dry season)		2 Current and expected projects by other donors (WB, ADB, JBIC, etc.)
		Steel Girder Erection	Suitable for Bent and	Truck Crane Method	(Yes / No)	
	Bridge Construction		Required Other Speci	als Erection Methods	( )	
		Foundation Type	pread Foundation / RC Pile (L < 15m) / RC Pile (L > 15m)			
		(Assumption)	Special Foundation ( )			
		Expected Work Hinder	leavy trucks catch difficult in travelling			
	I					

Bridge No. No. 16

Bridge Name

Nam Han

## QUESTIONNAIRE ON REQUESTED BRIDGES

Lai Chau

Province Name

Date of Answer: March / 13 /2006

Title of Respondent:

Road Network around the Bridge (conceptional map)

Name of Respondent: <u>Lo Van Huong</u>

	The F	load on which th	e bridge exist		Nearest City (with population				ver 20,000)	l .					
Bridge	Road Nam	e	Station of the B	ridge	Na	ne of the (	City	Distan	ce From the Bridge	1					
Location					-				-						
	Nam Puc Pa	ic Ma	~		1	Muong Te			32km						
	Bridge Length		m	Span		( m	+ m+	m.	+ m+ m)	1					
	Bridge Width		m	Carriage V	vay Width				m						
	Superstructure Type	No bridge													
Present Condition of	Substructure Type	No bridge													
Bridge	Present Condition									1					
	(Eye Check)	Causeway													
1	Necessity of Reconstruction	Yes Reason : It	is necessary to o	onstruct b	ridge to ensi	re the tra	vellong whole	year for	local people.						)
	Number of Days of	Vehicle / Bike e		/waar (2 m	onths in rain					-					
	Closed to Traffic	L	<del></del>			iy season),	. pedestriae	1 or Bic	/cie: da	ys/year					· · · · · · · · · · · · · · · · · · ·
		Info	rmation of Villag	es Beyond	the Bridge					Informati	on of the N	earest Ci	ty (with pop	pulation over 20,000)	
	Number of Village		38 villages	Name of F	legional Tow	n	Pac Ma		Name of City		Muong Te	-	Access Ti	me from the Bridge	120 minutes by bus
	Population		12520	Alexandra and and	Household				<b>⊢</b>	town					
	r opulation		13532 persons	Number of	nousenoio		2245 101	seholds	Population of City		4140	persons		Household	households
	Average Income	14	Month gac 000,00	Population	Ratio of Min	nority	100	,	Average Income		140,000	ng/month		me from the main ond the bridge site	minutes
	Rate of School Attenda (Elementary School)	ance	*		nool Attendan	ce (Junior		,	Remarks		·		(by genera	I means of trip for the	
				High Schoo			<del></del>						residents)		and pedestrian
	Number of Educatio	nal Facilities		Junior Hig	h School		0		Number of Education	al Facilities			Junior Hig	h School	2
Actual State	Elementary School	ļ	1	High Scho	of		0		Elemental School		4		High Scho	ol	1
of Social Economic	Number of Medical I	Facilities		Emergenc			1		Number of Medical F	ncilitian			Emergenc	y Hospital	
	Clinic				e hospital) ir Serious Pa	tients			Clinic					e hospital) or Serious Patients	1
	(small size hospital)		1	(large size			0		(small size hospital)		1		(large size		0
	Number of Daily Life	Facilities		Bank			0		Number of Daily Life	Facilities			Bank		2
	Post Office		1	Market			0		Post Office	est Office					
			— ·· · · · · · · · · · · · · · · · · ·	Public Offi	COF				···		1		Market		2
	Bus Stop		0		branch, etc	.)	0		Bus Stop		0		Public Offi (Town Hall	ces branch, etc.)	
	Main Land Use	Rice Field, Fores	st		I				Detail of products sen year of each product)	t to market	s through ti	ne bridge l	ocation (Na	me of the products, to	al amount/price per
	Main Production	Agriculture / Fo	restry / Industry	/ Common	on / Eishib.	/ Others /	)		year or each product)	wany kind	of roods an	products			
	Wall Froduction	Agriculture / Fo	restry / moustry	/ Commer	ce / rishily .	Otners (	,								
	Road Class	National / Provi	ncial / District /	Others (					Road Width	Average Road Wid			m,	Average Carriage Way	Width m
	Surface Type	Concrete / Aspl	halt / Bitumen Se	al / Gravel / Soil / Others ( )					Actual Road	Good / No	rmal / Bad .	/ Poor / C	ithers (	)	
	Average Traffic	Big Bus	Small	Bus	Danna	C	M-4 D	9	Condition				art	Bicycle and	
Present.	Volume	Dig Dus	Siliai		Passeng	er Car	Motor B	ike	Big Track	Small	Irack		y animals)	pedestrian	Boat
Condition of Access Road	(car/day)	0	0		4-Mar		50-70		15-25	15 0		)	0		
	Place of Bottleneck	Bridge / Tunnel	/ Narrow Width S	Section / C	thers (	)			Minimum Width			m	Traffic Co	ntrol Up to	tone
		Detail of bottlen	ecks in the acces	s roads:					L				L	L	
	Remarks														
		Road Network	Plan Traffic Infr	actminture	Master	Dian	Other lefered			24					
		TODO IVELWOIN	rian Tranic Bir	astrocture	waster	Pian	Other Infrast	ructure		riority of t	his bridge a	mong the	proposed t	oridges in this province	
	Village Level	Yes	Yes		Yes		Yes	i	Priority:						
	Tinage Cever	Material No.	Material No		Material No.		Material No.		1	2	3	4	5	6	
Relevant Development	_	V	V								_	•		Ü	
Plan	District Level	Yes	Yes		Yes		Yes								
		Material No.	Material No	٠.	Material No.		Material No.		Reason of the price	ority :					
		Yes	Yes		Yes		Yes								
	Province Level	Matarial No.	Mark and all Mark												
		Material No.	Material No		Material No.		Material No.								
	Low Water Level	Depth	m River Width	m	River Gradie	ent (Estima	ate)								
		Depth	m River Width	m	Year of the	Flood									
	Highest Flood	-			-										
		Velocity	m/sec		Rapid flow /	Moderate	flow /Slow flo	w							
River	Tidal effects	Have / No			River Bed M	laterial									
	Bridge Surface	m from A	verage Height of	River Bed		and / San	d / Gravel /Bo	oulder /							
	Elevation Navigation to be				Rock										
	considered	Yes or No	m	number an	type of shi	os:									
	Up Stream Side	Special Remarks													
	Down Stream Side	Special Remarks					-								
-								_							
		Transportation R	loute Bua To - N	am Puc Na	m Puc - Pa	Ma					Other Add	tional Info	rmetion to	be Noted	
	Transportation of Steel Girder from	Carrying Method	Trailer Truc	k/Ship/	Others (		)		1. Current bridge	maintenanc	e budget ar	d system			
	the Provincial	Road Condition f	or Suitable / F	able / Possible / Possible with small Repair / Impossible					Annual — -i	<b></b>	-+- 200 000	000 1	,		
	Capital	Transportation							Annual mais	ntenance co	ost: 200,000	,uuu aong	year		
ļ		Any Bottleneck f	or Transportation	ortation ( )				)							
	}		Sheet Pile	Pile / Earth Bank with Sand Bags / River Diversion											
Bridge		Coffering for Pier		Need (No water in dry season)					2 Commant and				(wp		
Construction									2 Current and exp	ected proje	cts by otne	r donors	WR. ADB.	JBIC, etc.)	
		Steel Girder Erec		e for Bent and Truck Crane Method ( Yes / No )											
	Bridge Construction					)									
1	j	Foundation Type	Spread Fou	ndation / F	C Pile (L <	15m) / RC	Pile (L > 15m	, [							
I														l	
1	Į.	(Assumption) Expected Work	· Special Fo	undation (											i
		Expected Work Hinder													
Remark								$\Box$							
								- 1							

Date of Answer:	March /	/2006

Name of Respondent:	
Title of Respondent:	

Bridge No.	No. 17	Bridge Nam	10	Nam Cum			Province I	Name La	i Chau			Road	Network :	around the	Bridge (co	nceptional	map)
	The R	oad on whic	h the bridg	e exist			Neurest C	lity (with popu	elation o	ver 20,000)	١.	-					
Bridge Location	Road Nam	e	Statio	n of the E	ridge	Na	me of the (	City	Distanc	ce From the Bridge	1						
ļ	Nam Puc - Pa	с Ма		~			Muong Te			36km							
	Bridge Length			m	Span		( m	ı+ m+	m+	- m+ m)	1						
	Bridge Width			m	Carriage W	ay Width	-			m							
ļ	Superstructure Type	No bridge u	sing causew	ay						180-2	1						
Present Condition of Bridge	Substructure Type	RC Column	/ RC Pile /	Wooden	Pile / Maso	nry / Nile /	Other (			)							
D/IOE4	Present Condition (Eye Check)	Good / Old	/ Weak / N	lon Seriou	s Damage /	Serious Da	smage / Flo	ow Out / Othe	er (	)	1						
	Necessity of Reconstruction	Yes Reason	It is neces	sary to co	onstruct bri	dge ensurin	g travellon	g. no obstructi	ion during	g flood season	•						)
	Number of Days of Closed to Traffic	Vehicle / Bi	ike etc. :	90 da	ys/year(3	months in	rainy seasc	on), pedest	rian or B	licycle :	days/year						
			Information	n of Villag	es Beyond	the Bridge					Informat	ion of the N	earest Cit	y (with pop	ulation ove	er 20,000)	
	Number of Village		38	villages	Name of R	egional Tow	/n	Pac Ma		Name of City		Muong Te		Access Tir	ne from the	e Bridge	120 minutes by bus
	Population		13532	persons	Number of	Household		2245 100	useholds	Population of City		4140	persons	Number of	Household		households
	Average Income		140,000	ng/month		Ratio of Mi		100	%	Average Income		140,000	ng/month		ne from the		minutes
	Rate of School Attenda (Elementary School)	ance		×	Rate of Sch High School	iool Attendar )	ice (Junior		%	Remarks				(by genera residents)	means of	trip for the	Ву
1	Number of Educatio	nal Facilities	1		Junior High	h School				Number of Education	nal Facilitie	9		Junior Hig	n School		2
Actual State of Social	Elementary School		1		High Scho	ol				Elemental School		4	-	High Scho	ol		1
Economic	Number of Medical I	Facilities				e hospital)		1		Number of Medical F	acilities			Emergency (middle siz	/ Hospital e hospital)		1
	Clinic (small size hospital)		1	<del></del>	Hospital fo (large size	r Serious P hospital)	atients	0		Clinic (small size hospital)		1		Hospital fo (large size	r Serious P hospital)	atients	0
	Number of Daily Life	Facilities			Bank			0		Number of Daily Life	Facilities			Bank			2
	Post Office		1		Market			0		Post Office		1		Market			2
	Bus Stop		0		Public Offi (Town Hall	branch, etc	;.)			Bus Stop		0			branch, etc		
	Main Land Use	Rice Field ,	Forest							Detail of products ser year of each product)				ocation (Na	ne of the p	roducts, to	al amount/price per
	Main Production	Agriculture .	/ Forestry	/ Industry	/ Commerc	ce / Fishily	/ Others (	)									
	Road Class	National / P	Provincial /	District /	Others (	)				Road Width	Average R	oad Width		m,	Average C	arriage Way	Width m
	Surface Type	Concrete /	Asphalt / E	litumen S	eal / Grave	/ Soil / Ot	thers (	)		Actual Road Condition	Good / No	rmal / Bad /			)		
Present	Average Traffic Volume	Big B	Bus	Smal	l Bus	Passen	ger Car	Motor B	like	Big Track	Small	Track		art y animals)		le and strian	Boat
Condition of Access Road	(car/day)	0		0		4-Mar		50-70		15-Dec	15		0	<u></u>	0		
	Place of Bottleneck					thers (	)			Minimum Width	L		n	Traffic Co	ntrol	Up to	tone
	Remarks	Detail of bot	LUERECKS IN	the acces	ss roads:						_						

				r		<del></del>							
		Road Network Plan	Traffic Infrastructure	Master Plan	Other Infrastructure	ŗ	Priority (	of this bri	dge among	the propo	sed bridge	es in th	nis province
	Village Level	Yes	Yes	Yes	Yes	Priority:							
Relevant	Thinge Level	Material No.	Material No.	Material No.	Material No.	1		2	3	4	5	6	
Development	District Level	Yes	Yes	Yes	Yes								
	District Level	Material No.	Material No.	Material No.	Material No.	Reason of the price	ority :						
	Province Level	Yes	Yes	Yes	Yes								
<u> </u>		Material No.	Material No.	Material No.	Material No.								
	Low Water Level	Depth m	River Width m	River Gradient (Estim	ate)								
	Highest Flood	Depth m	River Width m	Year of the Flood	-								
	Tilghest 1 lood	Velocity	m/sec	Rapid flow / Moderate	flow /Slow flow								
Ruver	Tidal effects	Have / No		River Bed Material									
	Bridge Surface Elevation	m from Averag		Silt / Fine Sand / Sar Rock	nd / Gravel /Boulder /								
	Navigation to be considered	Yes or No	m number an	d type of ships:									
	Up Stream Side	Special Remarks											
	Down Stream Side	Special Remarks											
		Transportation Route				Other	Additional	Informati	on to be I	Voted			
l l	Transportation of Steel Girder from	Carrying Method	Trailer Truck	3117.2 01.		1. Current bridge	mainten	ance buds	et and sys	tem			
	the Provincial Capital	Road Condition for Transportation	Possible with small R	epair		Annual mail	intenance	e cost: 20	ь 000,000,0	ong /year			
		Any Bottleneck for Tr	ansportation (		)								
		Coffering for Piers	River Diversion										
Bridge Construction			/ No Need (No water	in dry season)		2 Current and exp	ected p	rojects by	other don	ors (WB, /	DB. JBIC	), etc.)	
			Suitable for Bent and	Truck Crane Method	(Yes / No)								
	Bridge Construction Steel Girder Erection Required Other Specials Erection Methods (												
		) Pile (L > 15m)											
		(Assumption)	/ Special Foundation (		)								
		Expected Work Hinder											
Remark													

Date of Answer:

/2006

	 	 	_
Title of Respondent:			

Bridge No.	No. 18	Bridge Na	me	Ngoi Thap			Province	Name	Yen Bai		T	Ros	d Network	around the	Bridge (c	conceptional	mep)	-
	The F	load on whi	ch the bridg	e exist			Nearest C	ity (with po	pulation o	ver 20,000)	1							
Bridge Location	Road Nam	e	Statio	on of the B	ridge	Na	me of the	City	Distan	ce From the Bridge	┨ '							
	Au Lau - Don	g An	ŀ	Cm 21+660			Yen Bai cit	У		28km	1							
	Bridge Length			m	Span		( 177	+ m+	m-	- m+ r	n)							
	Bridge Width	_		m	Carriage W	ay Width				m	1							
Present	Superstructure Type	No birdge									1							
Condition of Bridge	Substructure Type	RC Column	RC Pile	/ Wooden I	Pile / Masor	nry / Nite /	Other (			)	1							
	Present Condition (Eye Check)	Good / Old	d / Weak / N	Ion Seriou	s Damage /	Serious Da	amage / Flo	ow Out / Ot	ther (	)	1							
	Necessity of Reconstruction	Yes Reason	n: To serve	people trav	velling; to so	cio-econo	mic develo	pment in reg	gion.						)			
	Number of Days of Closed to Traffic	Vehicle / E	Bike etc. :	180 da	ys/year.	pedestriar	or Bicycle	: 180	days/year		7							
1			Informatio	n of Village	es Beyond	the Bridge				1 1 1	Inform	ation of the !	learest Cit	y (with po	oulation o	ver 20,000)		
	Number of Village		3	villages	Name of Re	gional Tow	n	Hoang Thang		Name of City		Yen Bai city		Access Ti	me from t	he Bridge	45	minutes
]	Population		2500	persons	Number of	Household		4801	ouseholds	Population of City		78041	persons	Number of	Househo	ld	20013	ouseholds
	Average Income		300.000 Do					45	%	Average Income		500.000 D	ong/month	Access Ti village bey				minutes
	Rate of School Attends (Elementary School)	ince	100	8	Rate of School)	ool Attendan	ce (Junior	80	%	Remarks					l means o	f trip for the	By motorbii bycicle	ke and
	Number of Education	nal Facilitie	8		Junior High	School		1		Number of Educati	onel Fecilit	ios		Junior Hig	h School		9	
Actual State of Social	Elementary School		1		High Schoo			0		Elemental School		16		High Scho	ol		6	
Economic	Number of Medical F	acilities			Emergency (middle size	hospital)		0		Number of Medical	Facilities			Emergence (middle siz		)	2	
	(small size hospital)		1		Hospital for (large size h		atients	0		Clinic (small size hospital)		11		Hospital fo		Patients	5	
	Number of Daily Life	Facilities			Bank			0	_	Number of Daily Li	e Facilities			Bank			2	
	Post Office		0		Market			0		Post Office		2		Market			10	
	Bus Stop		0		Public Offic (Town Hall I		.)	0	1	Bus Stop		_   •		Public Offi (Town Hall	hranch e	tc.)	Yes	
	Main Land Use	Rice Field								Detail of products s year of each produc	ent to mark t): Rice, co	ets through t rn, manioc. Fr	ne bridge k uits/280 to	ocation (Na ons/2,000,0	me of the 00d/year	products, to	al amount/p	rice per
	Main Production	Agriculture																
	Road Class	Provincial F								Road Width: 605m	Average	Road Width	6	m,	Average	Carriage Way	Width	m
I	Surface Type Average Traffic	Bitumen Se					<del></del> -1			Actual Road Condition	Normal							
Present Condition of	Volume	Big E	Bus	Small	Bus	Passeng	ger Car	Motor	Bike	Big Track	Sm	all Track		art / animals)		cle and estrian	Во	at .
Access Road	(car/day)							200		(causeway	-	31						
	Place of Bottleneck		nnel / Narro			hers (	)			Minimum Width		-	m	Traffic Cor	ntrol	Up to	1	one
	Remarks	o. bu	Coneona III	CHE BOURS	a 1 Jaus.													
	L									<del></del>								]

		Road Network Plan	Traffic Infrastructure	Master Plan	Other Infrastructure		Priority	of this bric	ige among t	the propos	sed bridge	s in this province	
i	Village Level	Yes / No	Yes / No	Yes / No	Yes / No	Priority :							
Relevant		Material No.	Material No.	Material No.	Material No.		1	2	3	4	5	6	
Development Plan	District Level	Yes / No	Yes / No	Yes / No	Yes / No		x						
		Material No.	Material No.	Material No.	Material No.	Reason of the	priority :						
	Province Level	Yes / No	Yes / No	Yes / No	Yes / No								
<u> </u>		Material No.	Material No.	Material No.	Material No.								
	Low Water Level	Depth m	River Width 8.0 m	River Gradient (Estima	ate)								
	Highest Flood	Depth m	River Width 70 m	Year of the Flood									
	Tingirost Flood	Velocity	m/sec	Rapid flow / Moderate	flow /Slow flow								
River	Tidal effects	Have / No		River Bed Material									
Condition	Bridge Surface Elevation	m from Averag	e Height of River Bed	Fine Sand									
	Navigation to be considered	No	m number and	type of ships:									
	Up Stream Side	Special Remarks											
	Down Stream Side	Special Remarks											
		Transportation Route	Road			-		Other	Additional 1	informatio	n to be No	oted	
	Transportation of Steel Girder from	Carrying Method	Trailer Truck			1. Current brid	ge mainter	ance budge	et and syst	em			
	the Provincial Capital	Road Condition for Transportation	Suitable / Possible / F	ossible with small Rep	air / Impossible								
		Any Bottleneck for Tr	ansportation (		)								
		Coffering for Piers	Earth Bank with Sand	Bags									
Bridge Construction		Concing for 1 isis	/ No Need (No water	in dry season)		2 Current and	expected p	rojects by	other dono	rs (WB, Al	DB, JBIÇ,	etc.)	
		Steel Girder Erection	Suitable for Bent and	Fruck Crane Method Y	′es								
	Bridge Construction		Required Other Specia	als Erection Methods (	)								
		Foundation Type	RC Pile (L < 15m)										
	I	(Assumption)	/ Special Foundation (		)								
		Expected Work Hinder	No										
Remark													

Date of Answer: March / /2006

Name of Respondent:

Title of Respondent:

			,																
Bridge No.	No. 19	Bridge Nam	ne	Ngoi That			Province I	чате	Yen Bai				Road N	etwork e	round the	Bridge (co	nceptional	map)	
	The R	oad on whic	h the bridg	e exist	1		Nearest C	ity (with po	pulation o	ver 20,000	)	١,			_				
Bridge Location	Road Nam	e	Statio	on of the B	ridge	Na	me of the (	City	Distan	ce From th	e Bridge								
	Au Lau - Dan	g An		(m 42+670	,		Mau A			9km									
	Bridge Length			m	Span		( m	+ m+	m-	+ m	+ m)	1							
	Bridge Width			m	Carriage Wa	ay Width					m	1							
	Superstructure Type	No bridge					•					1							
Present Condition of Bridge	Substructure Type	RC Column	/ RC Pile /	/ Wooden	Pile / Mason	nry / Nile /	Other (				)	1							
- Critical Control	Present Condition (Eye Check)	Good / Old	/ Weak / N	lon Seriou	s Damage /	Serious Da	amage / Flo	ow Out / Ot	her (		)	1							
	Necessity of Reconstruction	Yes Reason	n: To serve	the travell	ing of local p	people; to s	socio-econ	omic develo	pment in r	egion.		,					)		
	Number of Days of Closed to Traffic	Vehicle / B	like etc. :		da	ys/year,	pedestria	n or Bicycl	• :	day	s/year								
			Informatio	n of Villag	es Beyond t	the Bridge			-			Informat	ion of the Nea	rest City	(with pop	ulation ove	r 20,000)		
	Number of Village		3	villages	Name of Re	gional Tow	vn	Dong An		Name of	City		Mau A		Access Tir	ne from the	Bridge	15	i minutes
	Population		2850	persons	Number of I	Household		580	ouseholds	Populatio	n of City		13840	persons	Number of	Household		5990	) rouseholds
	Average Income		300.000 Do		Population I			55	·····	Average I	ncome		400.000 Dong	/month	village bey	ne from the ond the brid	lge site		minutes
	Rate of School Attenda (Elementary School)	*	Rate of Scho High School)		nce (Junior	80	,	Remarks					(by genera residents)	means of t	trip for the	By motort	ike,bycicle		
	Number of Education	nal Facilities	s		Junior High	School		1		Number o	of Education	al Facilities			Junior High	h School		3	
Actual State of Social	Elementary School	1		High School			0		Elemental	School		5		High Scho	ol		1		
	Number of Medical I	acilities			Emergency (middle size	hospital)		0			of Medical F	acilities			Emergency (middle siz	e hospital)		1	
	Clinic (small size hospital)		1		Hospital for (large size h		atients	0		Clinic (small size	e hospital)		5		Hospital fo (large size	r Serious P hospital)	atients	C	)
	Number of Daily Life	Facilities			Bank			0		Number o	of Daily Life	Facilities			Bank			2	
	Post Office		1		Market			0		Post Offic	se .		1		Market			2	
	Bus Stop		0		Public Offic (Town Hall b		s.)	0		Bus Stop			0	l		branch, etc		Yes	
	Main Land Use	Forest								Detail of p year of ea	oroducts se och product)	nt to market : Maize, rice	ts through the e: 380 tons/2,0	bridge lo 100,000d/	cation (Nar 'year	ne of the pr	roducts, to	al amount/	price per
	Main Production	ction Forestry																	
	Road Class Provincial Road									Road Wid		Average R	oad Width	6.5	m,	Average Ca	arriage Way	Width	m
	Surface Type Bitumen Seal									Actual Ro Condition	ead	Normal							
Present	Average Traffic Volume	Big E	Bus	Smal	l Bus	Passen	ger Car	Motor	Bike	ļ	Track	Small	Track (	Ca drawn by	rt animals)	Bicyc pede:		В	oat
Condition of Access Road	(car/day)							280		16 by causeway		29							
	Place of Bottleneck					hers (	)			Minimum	Width	<u> </u>	m		Traffic Cor	ntrol	Up to		tone
	Remarks	Detail of bo	ttlenecks in	the acces	ss roads:														
`												-							

	1												
		Road Network Plan	Traffic Infrastructure	Master Plan	Other Infrastructure		Priority	of this bri	dge among	the propo	sed bridge	s in this	province
	Village Level	Yes / No	Yes / No	Yes / No	Yes / No	Priority:							
Relevant		Material No.	Material No.	Material No.	Material No.		1	2	3	4	5	6	
Development	District Level	Yes / No	Yes / No	Yes / No	Yes / No			x					
	District Level	Material No.	Material No.	Material No.	Material No.	Reason of the	priority :						
	Province Level	Yes / No	Yes / No	Yes / No	Yes / No								
	I TOVINCE CEVE	Material No.	Material No.	Material No.	Material No.								
	Low Water Level	Depth m	River Width m	River Gradient (Estim	ate)								
	Highest Flood	Depth m	River Width m	Year of the Flood									
	riignest riood	Velocity	m/sec	Rapid flow / Moderate	flow /Slow flow								
River	Tidal effects	No		River Bed Material									
	Bridge Surface Elevation	m from Averag	ge Height of River Bed	Fine Sand									
	Navigation to be considered	No	m number an	d type of ships:									
	Up Stream Side	Special Remarks											
	Down Stream Side	Special Remarks											
		Transportation Route	Road					Other	Additional	Informatio	on to be N	oted	·
	Transportation of Steel Girder from	Carrying Method	Trailer Truck			1. Current brid	ge mainter	ance bud	et and sys	tem			
	the Provincial Capital	Road Condition for Transportation	Suitable										
		Any Bottleneck for Tr	ansportation (		}								
		Coffering for Piers	Earth Bank with Sand	Bags									
Bridge Construction			/ No Need (No water	in dry season)		2 Current and	expected p	rojects by	other don	ors (WB, A	ADB, JBIC	etc.)	
		Steel Girder Erection	Suitable for Bent and	Truck Crane Method	(Yes / No)								
	Bridge Construction Steel Girder Erection Required Other Specials Erection Methods (												
		Foundation Type	RC Pile (L > 15m)										
		(Assumption)	/ Special Foundation:	No									
		Expected Work Hinder											
Remark													

Date of Answer: March /

/2006

Name of Respondent:	
Title of Respondent:	

		Bridge Name Lao Ch.  Road on which the bridge exist  ame Station of th		Lao Chai			Province I	iame	Yen Bai			Road	Network a	round the	Bridge (concepti	ional n	nap)	
	The Ro	ad on whic	h the bridg	e exist			Nearest C	ity (with po	pulation ov	ver 20,000)	•							
Bridge Location	Road Name	.	Statio	on of the B	ridge	Nar	ne of the C	Dity	Distanc	e From the Bridge								
	Lao Chai commun	ne road		Km 0+100		M	lu cang Ch	ai		14km								
Bri	ridge Length		47	m	Span		( 47	m+ 1	m+ r	n+ m+ n	1)							
Bri	ridge Width		2.2	m	Carriage Wa	y Width				1.8 m								
	uperstructure ype	Suspension	Bridge															
	ubstructure Type	Masonry																
Pre (Ey	ye Check)	Non Serious	s Damage															
	ecessity of econstruction	Yes Reason	: To serve	the travelli	ng of the lo	cal people;	To socio-e	conomic de	velopment.	In region.						)		
	umber of Days of losed to Traffic	Vehicle / B	ike etc. :		da	ys/year,	pedestria	ın or Bicycle	e :	days/year								
_		· · · · · · · · · · · · · · · · · · ·	Informatio	n of Village	s Beyond t	he Bridge					Informati	on of the Ne	arest Cit	y (with pop	ulation over 20,0	00)		
Nu	umber of Village		2	villages	Name of Re	gional Tow	n	Lao Chai		Name of City		Mu cang Chai		Access Tir	ne from the Bridg	е	15	minutes
Pop					Number of I	Household		6101	ouseholds	Population of City		5900	persons	Number of	Household		1260 w	ouseholds
	Rate of School Attendance							98	%	Average Income		500.000 Dor	ng/month	village bey	ne from the main and the bridge site			minutes
		nce	99		Rate of School)		ce (Junior	58	*	Remarks				(by genera residents)	means of trip for		By motorbik pycicle	e and
Nu	umber of Education	al Facilities	i		Junior High	School		0		Number of Education	al Facilities			Junior High	1 School		1	
of Social	ementary School		1		High Schoo			0		Elemental School		2		High School			1	
	umber of Medical F	acilities			Emergency (middle size	hospital)		0		Number of Medical Fo	scilities			Emergency (middle siz	e hospital)		1	
	linic mall size hospital)		1		Hospital for (large size h		itients	0		Clinic (small size hospital)		2		Hospital fo (large size	r Serious Patients hospital)	s	0	
Nu	umber of Daily Life	Facilities			Bank 			0		Number of Daily Life	Facilities			Bank			1	
Pos	ost Office		0		Market			0		Post Office		1		Market			1	
Bus	us Stop		0		Public Offic (Town Hall I		.)	0		Bus Stop		0	- 1		branch, etc.)	- 1	'es_	
Mai	ain Land Use	Forest								Detail of products sen year of each product):	t to market Maize, rice	s through the : 130 tons/2	e bridge to ,000,000d	cation (Nar ∕year	ne of the product	s, tota	l amount/pi	rice per
Mai	ain Production	Forestry																
Ros	oad Class	Inter-comm	unal road								Average Ro	oad Width	4.5	m,	Average Carriage	Way \	Width	m
<u> </u>		Soil	<del></del>							Actual Road Condition	Normal							
Present Vol	verage Traffic olume	Big 8	Bus	Small	Bus	Passeng	ger Car	Motor		Big Track	Small	Track	Ca (drawn by		Bicycle and pedestrian		Boa	it
Condition of Access Road	(car/day)							200		5 by causeway	17							
Pla	ace of Bottleneck	Bridge / Tus Detail of bot				hers (	)			Minimum Width		п		Traffic Cor	itrol Up to		t	one
Rei	emarks	Detail of Bot	LUENECKS IN	une acces	s roads:													

		Road Network Plan	T-65-1-6-1-1	44 . 51	[au 16 :								
		Road Network Plan	Traffic Infrastructure	Master Plan	Other Infrastructure		Priority	of this bri	dge among i	the propo	sed bridg	es in this province	
	Village Level	Yes / No	Yes / No	Yes / No	Yes / No	Priority:							
Relevant		Material No.	Material No.	Material No.	Material No.		1	2	3	4	5	6	
Development Plan	District Level	Yes / No	Yes / No	Yes / No	Yes / No					x			
		Material No.	Material No.	Material No.	Material No.	Reason of the	priority :						
	Province Level	Yes / No	Yes / No	Yes / No	Yes / No								
	I TOVINGE COVER	Material No.	Material No.	Material No.	Material No.								
	Low Water Level	Depth m	River Width m	River Gradient (Estim	ate)								
1	Highest Flood	Depth m	River Width m	Year of the Flood									
	riignest 1 1000	Velocity	m/sec	Rapid flow / Moderate	flow /Slow flow								
River	Tidal effects	No		River Bed Material									
Condition	Bridge Surface Elevation	m from Averag	e Height of River Bed	Boulder									
	Navigation to be considered	No	m number an	d type of ships:									
	Up Stream Side	Special Remarks											
	Down Stream Side	Special Remarks											
		Transportation Route	Road					Other	Additional	Informatic	n to be I	Noted	
	Transportation of Steel Girder from	Carrying Method	Trailer Truck			1. Current brid	ge mainte	nance bud	zet and syst	em			_
	the Provincial Capital	Road Condition for Transportation	Suitable										
ļ		Any Bottleneck for Tr	ansportation (		)								
		Coffering for Piers	Earth Bank with Sand	Bags									
Bridge Construction			/ No Need (No water	in dry season)		2 Current and	expected	projects by	other dong	rs (WB, A	DB, JBIC	; etc.)	
		Steel Girder Erection	Suitable for Bent and	Truck Crane Method	Yes								
	Bridge Construction		Required Other Speci	als Erection Methods (	( )								
		Foundation Type	Spread Foundation										
ļ		(Assumption)	/ Special Foundation (		)								
		Expected Work Hinder	No										
Remark													

Date of Answer: March /

/2006

-	 	
Title of Respondent:		

Bridge No.	No. 21	Bridge Nan	ne .	Pu Trang			Province I	Name	Yen Bai		1	Road	Network	around the	Bridge (co	nceptional	mep)
	The F	load on whic	ch the brid	re exist			Nearest C	ity (with po	pulation o	ver 20,000)					-		
Bridge Location	Road Nam	ie .	Stati	on of the E	Iridge	Nan	ne of the (	City	Distan	ce From the Bridge	1						
	Pu Trang commu	ınal road		Km 0+900		Ng	shia Lo tov	vn		2.5km	1						
	Bridge Length		60	m	Span		60	m+ i	m+	m+ m+	m)						
	Bridge Width		2.5	m	Carriage V	ay Width				2.2 m	1						
Present	Superstructure Type	Suspension	Bridge														
Condition of Bridge	Substructure Type	Masonry									1						
	Present Condition (Eye Check)	Serious Da	mage								1						
1	Necessity of Reconstruction	Yes Reason	n: To serve	the travell	ing of the k	ocal people;	To socio-	economic de	velopemnt		•				)		
	Number of Days of Closed to Traffic	Vehicle / 8	Bike etc. :		d	ays/year,	pedestria	n or Bicycle	e :	days/year	]						
			Informatio	n of Villag	es Beyond	the Bridge					Informat	ion of the M	earest Cit	y (with pop	ulation ove	ır 20,000)	· · · · · · · · · · · · · · · · · · ·
	Number of Village		7	villages	Name of R	egional Town	1	Pu Trang		Name of City		Nghia Lo		Access Tir	me from the	Bridge	15 minute:
	Population		2100	persons	Number of	Household		395	ouseholds	Population of City		26257	persons	Number of	Household		8420 iouseholds
	Average Income		300.000 D	ong/month	Population	Ratio of Min	ority	95	*	Average Income		500.000 D	ong/month		me from the		minute
	Rate of School Attend (Elementary School)	ance	100	*	Rate of Sch High Schoo	ool Attendand	e (Junior	60	*	Remarks				(by genera residents)	I means of t	trip for the	By motorbike, bycicle
<b>!</b> .	Number of Education	nal Facilitie	8		Junior Hig	h School		0		Number of Education	sal Facilitie	• ,		Junior High	h School		6
Actual State	Elementary School		0		High Scho			0		Elemental School		7		High School	ol		2
Economic	Number of Medical	Fecilities			Emergency (middle siz	e hospital)	ar 33	0		Number of Medical F	acilities			Emergency (middle siz			2
	Clinic (small size hospital)		0		Hospital fo (large size	r Serious Pa hospital)	tients	0		Clinic (small size hospital)		3		Hospital fo (large size	r Serious P hospital)	atients	0
	Number of Daily Life	Facilities			Bank		1100	0		Number of Daily Life	Facilities			Bank			1
	Post Office		0		Market			0		Post Office		1		Market			1
	Bus Stop		0		Public Offi (Town Half	ces branch, etc.	)	0		Bus Stop		0			branch, etc		Yes
	Main Land Use	Rice Field /	/ Vegetable	Farm / Fr	uit Farm / I	Forest / Mea	idow / \$w	amp / Othe	rs (	Detail of products ser year of each product	nt to marke ): Maize, rice	ts through t e. Tea: 150 t	ne bridge lo ons/2,000,	ocation (Nar 000d/year	ne of the p	roducts, to	al amount/price per
	Main Production	Agriculture	/ Forestry	/ Industry	/ Commerc	ce / Fishily /	Others (	)									
	Road Class	Inter-comm	nunal road							Road Width: 4.5m	Average R	oad Width	4	m,	Average Ca	arriage Way	Width n
	Surface Type	Soil								Actual Road Condition	Bad						
Present	Average Traffic Volume	Big (	Bus	Smal	Bus	Passeng	er Car	Motor	Bike	Big Track	Small	Track		art y animals)	Bicycl pede:		Boat
Condition of Access Road	(car/day)							250									
	Place of Bottleneck					thers (	)			Minimum Width			m	Traffic Cor	ntrol	Up to	tone
	Remarks	Detail of bo	tuenecks ir	the acces	ss roads:												
		<u>L</u>															

		Road Network Plan	Traffic Infrastructure	Master Plan	Other Infrastructure	Priority of this bridge among the proposed bridges in this province
		Yes / No	Yes / No	Yes / No	Yes / No	Priority :
	Village Level	Material No.	Material No.	Material No.	Material No.	1 2 3 4 5 6
Relevant Development		Yes / No	Yes / No	Yes / No	Yes / No	x
Pian	District Level	Material No.	Material No.	Material No.	Material No.	Reason of the priority :
	Province Level	Yes / No	Yes / No	Yes / No	Yes / No	
	Province Lever	Material No.	Material No.	Material No.	Material No.	
	Low Water Level	Depth m	River Width m	River Gradient (Estim	ate)	
	Highest Flood	Depth m	River Width m	Year of the Flood		
	i iigiiasc Flood	Velocity	m/sec	Rapid flow / Moderate	flow /Slow flow	
River	Tidal effects	No		River Bed Material		
	Bridge Surface Elevation	m from Averag	e Height of River Bed	Boulder		
	Navigation to be considered	No	m number an	d type of ships:		
	Up Stream Side	Special Remarks				
	Down Stream Side	Special Remarks				
		Transportation Route	Road			Other Additional Information to be Noted
l i	Transportation of Steel Girder from	Carrying Method	Trailer Truck			1. Current bridge maintenance budget and system
	the Provincial Capital	Road Condition for Transportation	Possible with small Re	pair		
		Any Bottleneck for Tr	ansportation (		)	
		Coffering for Piers	Sheet Pile			
Bridge Construction		Contract to the state of the st	/ No Need (No water	in dry season)		2 Current and expected projects by other donors (WB, ADB, JBIC, etc.)
		Steel Girder Erection	Suitable for Bent and	Truck Crane Method	Yes	ĺ
	Bridge Construction	51001 G#G07 E7500017	Required Other Speci	als Erection Methods	( )	
		Foundation Type	RC Pile (L < 15m)			
		(Assumption)	/ Special Foundation (		)	
		Expected Work Hinder	No			
Remark						
L1		<del></del>				

Date of Answer: March /

/2006

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Title of Respondent:		

Bridge No.	No. 22	Bridge Nam	18	la Tiu		1	Province f	lame	Yen Bai			Road	Network	around the	Bridge (conc	eptional	map)	
	The R	oed on whic	h the bridg	e exist			Nearest C	ity (with po	pulation ov	er 20,000)	,							
Bridge Location	Road Name		Statio	n of the B	ridge	Nan	ne of the C	ity	Distanc	e From the Bridge								
	Ta Tiu communa	al road	- 1	Km 1+500		Na	ghia Lo tow	'n		3km	-							
	Bridge Length		65	m	Span		65	m+	m+ s	n+ m+ r	n)							
	Bridge Width		2.5	m	Carriage W	ay Width		- 77s % day salah sa		2.2 m								
Present	Superstructure Type	Suspension	Bridge															
Condition of Bridge	Substructure Type	RC Column																
S.I.Ogu	Present Condition (Eye Check)	Non Serious	s Damage															
	Necessity of Reconstruction	Yes Reason	: To service	e the trave	lling of loca	l people. To	socio-ecc	nomic deve	olopment in	region.	•					)		
	Number of Days of Closed to Traffic	Vehicle / B	ike etc. :		d	ays/year,	pedestria	n or Bicycl	e:	days/year								
			Information	n of Villeg	es Beyond	the Bridge				1	Informati	ition of the Nearest C		City (with population over		(000,02		
	Number of Village		2	villages	Name of R	egional Town	n	Phu Nhem		Name of City		Nghia Lo		Access Time from the Bridge			10	minutes
	Population		5600	persons	Number of	Household		870	ouseholds	Population of City		26257	persons	Number of	Household		8420 ic	ouseholds
	Average Income	1	350.000 Do	ng/month		Ratio of Mir		55	*	Average Income		500.000 Dor	g/month	Access Time from the main village beyond the bridge site (by general means of trip for the				minutes
	Rate of School Attenda (Elementary School)	ince	100	*	Rate of School Attendance (Junior High School)			85 % Remarks						(by general residents)	means of trip	By motorbike	e, bycicle	
	Number of Education	nal Facilities	1		Junior High	School		0		Number of Education	al Facilities			Junior High School			6	
Actual State of Social	Elementary School		1		High School			0		Elemental School		7		High School			2	
Economic	Number of Medical F	Facilities			Emergency (middle siz	e hospital)		0		Number of Medical F	ecilities			Emergency (middle size	hospital)		2	
	(small size hospital)		0		(large size	r Serious Pa hospital)	itients	0		Clinic (small size hospital)		3		Hospital fo (large size	Serious Pati hospital)	ents	0	
	Number of Daily Life	Facilities			Bank			0		Number of Daily Life	Facilities			Bank			1	
	Post Office		0		Market Public Offic			0		Post Office		1		Market			1	
	Bus Stop		0			ces branch, etc.	)	0		Bus Stop		0			branch, etc.)		Yes	
	Main Land Use	Rice Field /	Vegetable	Farm / Fri	uit Farm / I	orest / Mea	adow / Sw	amp / Othe	rs (	Detail of products ser year of each product)						lucts, to	.al amount/pr	rice per
	Main Production	Agriculture .	/ Forestry .	/ Industry	/ Commerc	e / Fishily /	Others (											
	Road Class Inter-communal road									Road Width: 5.5m Actual Road	Average R	oad Width	5	m,	Average Carr	iage Way	Width	m
	Surface Type				· - · · -		)		Condition	Normal		C	art	Bicycle				
Present Condition of	Volume	Big b	Sus	Smal	l Buş	Passeng	er Car	Motor	Bike	Big Track	Small			y animals)	pedestr		Boar	t 
Access Road	(car/day)	D:1- /T	1			,	,	300		10	20	L					Ĺ <u> </u>	
	Place of Bottleneck	Detail of bot				uiers (	)	-		Minimum Width	l	n	1	Traffic Con	trol Up	to .	to	one
	Remarks																	- 1
		L																

	•											
		Road Network Plan	Traffic Infrastructure	Master Plan	Other Infrastructure		Priority	of this bri	dge among	the propo	sed bridge	s in this province
	Village Level	Yes / No	Yes / No	Yes / No	Yes / No	Priority:						
Relevant	- Mage Love	Material No.	Material No.	Material No.	Material No.		1	2	3	4	5	6
Development Plan	District Level	Yes / No	Yes / No	Yes / No	Yes / No							X
	District Level	Material No.	Material No.	Material No.	Material No.	Reason of the	priority :					
	Province Level	Yes / No	Yes / No	Yes / No	Yes / No							
		Material No.	Material No.	Material No.	Material No.							
	Low Water Level	Depth m	River Width m	River Gradient (Estim	ate)							
	Highest Flood	Depth m	River Width m	Year of the Flood								
	riighest riood	Velocity	m/sec	Rapid flow / Moderate	e flow /Slow flow							
River	Tidal effects	No		River Bed Material								
Condition	Bridge Surface Elevation	m from Averag	e Height of River Bed	Gravel								
	Navigation to be considered	No	m number an	d type of ships:								
	Up Stream Side	Special Remarks										
	Down Stream Side	Special Remarks										
		Transportation Route	Road ~	~		•		Other	Additional	Informatio	on to be N	oted
	Transportation of Steel Girder from	Carrying Method	Trailer Truck			1. Current brid	ige mainte	nance buds	et and sys	tem		
	the Provincial Capital	Road Condition for Transportation	Suitable									
		Any Bottleneck for Tr	ansportation (		)							
		Coffering for Piers	Sheet Pile									
Bridge Construction		Concring for vicia	/ No Need (No water	in dry season)		2 Current and	expected	projects by	other don	ors (WB, A	ADB, JBIÇ	etc.)
		Steel Girder Erection	Suitable for Bent and	Truck Crane Method	Yes							
	Bridge Construction	occor ander Erection	Required Other Spec	ials Erection Methods								
		Foundation Type	RC Pile (L < 15m)									
		(Assumption)	/ Special Foundation		)							
		Expected Work Hinder	No									
Remark												

Date of Answer: March / /2006

itle	of	Respondent:	

Bridge No.	No. 23	Bridge Nam	10	Ben Cao			Province I	Name	Yen Bai				Road	Network a	round the	Bridge (cor	nceptional :	nap)	
	The R	load on whic	h the bridg	e exist			Nearest C	ity (with po	pulation o	ver 20,000)		•							
Bridge Location	Road Nam	e	Statio	n of the E	Bridge	Na	ame of the	City	Distan	ce From the I	Bridge								
	Dai Lich - Min	ıh An		Km 8+300			Yen Bai cit	У		35km									
	Bridge Length			m	Span		( m	r+ m-	· m·	+ m+	m)								
	Bridge Width			m	Carriage W	ay Width					m								
Present	Superstructure Type	Suspension	Bridge																
Condition of Bridge	Substructure Type	RC Column					-												
	Present Condition (Eye Check)	Non Serious	s Damage																
	Necessity of Reconstruction	Yes Reason	n : To trans	port of go	ods, socio-	sconomic d	ievelopmen	t.				_		)					
	Number of Days of Closed to Traffic	Vehicle / B	ike etc. :		d	ays/year,	pedestria	an or Bicycl	e :	days/	year								
			Informatio	n of Villag	es Beyond	the Bridge	, .					Informati	ion of the N	earest Cit	y (with pop	ulation ove	r 20,000)		
	Number of Village		5	villages	Name of R	egional Toy	wn			Name of Cit	y		Yen Bai		Access Tir	ne from the	Bridge	90	minutes
	Population		5000	persons	Number of	Household	I		households	Population o	f City		78041	persons	Number of	Household		200131	ouseholds
	Average Income		300.000 Da	ng/month	Population				*	Average Inc	ome		500.000 Do	Hg/ Honen	village bey	ne from the ond the brid	ige site		minutes
	Rate of School Attenda (Elementary School)	ance	100	*	Rate of Sch High School		nce (Junior		*	Remarks					(by genera residents)	I means of t	rip for the	By motorbil	e, vehicle
	Number of Educatio	nal Facilities			Junior High	School				Number of I	ducation	al Facilities			Junior High	School		9	
Actual State of Social	Elementary School		1		High School					Elemental S	chool		6		High Schoo			6	
Economic	Number of Medical I	Facilities			Emergency (middle size	hospital)				Number of I	Medical F	acilities			Emergency (middle siz			2	
	Clinic (small size hospital)		1		Hospital fo (large size		Patients			Clinic (small size h	ospital)		11		Hospital fo (large size	r Serious Pa hospital)	atients	5	
	Number of Daily Life	Facilities			Bank					Number of (	Daily Life	Facilities			Bank			2	
	Post Office		1		Market					Post Office			2		Market			0	
	Bus Stop		0		Public Offic (Town Hall		c.)			Bus Stop			0	_	Public Offic (Town Hall	branch, etc	.,	Yes	
	Main Land Use	Rice Field								Detail of pro year of each			ts through th Maize: 500 t			ne of the pr	oducts, tot	al amount/p	rice per
÷	Main Production	Agriculture								ļ									
	Road Class	Provincial								Road Width:		Average R	load Width	5.5	m,	Average Ca	arriage Way	Width	m
	Surface Type	Concrete /	Asphalt / I	Bitumen S	eal / Gravel	/ Soil / O	thers (	)		Actual Road Condition		Good / No	ormal / Bad /			)			
Present	Average Traffic Volume	Big 8	∃us	Sma	II Bus	Passer	nger Car	Moto	r Bike	Big Tr	ack	Small	Track	Ca (drawn by		Bicycl pedes		Вог	st
Condition of Access Road	(car/day)							350											
	Place of Bottleneck					thers (	)			Minimum Wie	ith			m	Traffic Cor	ntrol	Up to		one
	Remarks	Detail of bo	tuenecks ir	tne acce	ss roads:														

	,		,	r									
		Road Network Plan	Traffic Infrastructure	Master Plan	Other Infrastructure		Priority	of this brid	lga among	the propo	sed bridge	s in this p	province
	Village Level	Yes / No	Yes / No	Yes / No	Yes / No	Priority:							
Relevant	Timage zeroi	Material No.	Material No.	Material No.	Material No.		1	2	3	4	5	6	
Development Plan	District Level	Yes / No	Yes / No	Yes / No	Yes / No				x				
· · ·	District Level	Material No.	Material No.	Material No.	Material No.	Reason of the	priority :						
	Province Level	Yes / No	Yes / No	Yes / No	Yes / No								
	1 101/100 2010/	Material No.	Material No.	Material No.	Material No.								
	Low Water Level	Depth m	River Width m	River Gradient (Estim	ate)								
	Highest Flood	Depth m	River Width m	Year of the Flood									
	riigilest i koou	Velocity	m/sec	Rapid flow / Moderate	e flow /Slow flow								
River	Tidal effects	Have		River Bed Material	-								
Gendition	Bridge Surface Elevation	m from Averag	ge Height of River Bed	Boulder									
	Navigation to be considered	No	m number an	d type of ships:									
	Up Stream Side	Special Remarks											
	Down Stream Side	Special Remarks											
		Transportation Route	Road ~	~				Other	Additional	Informati	on to be N	loted	
	Transportation of Steel Girder from	Carrying Method	Trailer Truck			1. Current brid	dge mainter	nance budg	et and sys	tem			
	the Provincial Capital	Road Condition for Transportation	Suitable										
		Any Bottleneck for Tr	ansportation (		)								
		Coffering for Piers	Sheet Pile										
Bridge Construction		Conting for 1 tera	/ No Need (No water	in dry season)		2 Current and	expected (	projects by	other don	ors (WB.	ADB, JBIC	etc.)	
		Steel Girder Erection	Suitable for Bent and	Truck Crane Method	(Yes / No)								
	Bridge Construction		Required Other Spec	ials Erection Methods	( )								
		Foundation Type	RC Pile (L < 15m)										
		(Assumption)	/ Special Foundation (	(	)								
		Expected Work Hinder	No										
Remark													

Date of Answer: March /

/2006

	 -	 
Title of Respondent:		

Bridge No.	No. 24	Bridge Nan	пе	Trung Do			Province I	Name	Lao Cai			Road	Network	eround the	Bridge (c	onceptional	map)	
	The R	load on whic	h the brid	go exist			Nearest C	ity (with po	pulation ov	ver 20,000)	,							
Bridge Location	Road Nam	e	Stati	on of the E	ridge	Na	me of the (	Dity	Distant	ce From the Bridge								
	Bao Nhai Commu	nal road		Km 1+200			Bac Ha			15km								
	Bridge Length			m	Span		( m	+ m+	m+	m+ m)								
	Bridge Width			m	Carriage W	ay Width				m								
Present	Superstructure Type	No bridge											•					
Condition of Bridge	Substructure Type	RC Column	/ RC Pile	/ Wooden	Pile / Maso	nry / Nile /	Other (			)								
	Present Condition (Eye Check)	Other																
	Necessity of Reconstruction	Yes Reason	n: To serve	the travell	ing of the k	cal people;	to socio-e	conomic de	velopment	in region.	-					)		
	Number of Days of Closed to Traffic	Vehicle / E	Bike etc. :	120 days.	/year, p	edestrian o	r Bicycle :	90	days/y	ear								
			Informatio	on of Villeg	es Beyond	the Bridge					Informati	ion of the N	earest Cit	y (with pop	ulation o	ver 20,000)	**	
	Number of Village		2	villages	Name of R	egional Tow	m	Ban Nhai		Name of City		Bac Ha		Access Ti	ne from ti	he Bridge	25	minutes
	Population		7570	persons	Number of	Household		1122	ouseholds	Population of City		3069	persons	Number of	Househol	ld	1003	nouseholds
į	Average Income		200.000 D	ong/month		Ratio of Mi		96	%	Average Income		600.000 Da	ng/month	Access Tir village bey	ond the b	ridge site		minutes
	Rate of School Attenda (Elementary School)	ance	95	*	Rate of Sch High School	ool Attendar )	ice (Junior	70	×	Remarks				(by genera residents)	l means o	f trip for the	By motorbi	ke; bycicle
	Number of Educatio	nal Facilitie	8		Junior High	n School		0		Number of Education	al Facilities	1		Junior Hig	h School		2	
Actual State of Social	Elementary School		1		High Scho			0		Elemental School		3		High Scho	ol		1	
Economic	Number of Medical I	Facilities			Emergency (middle siz	e hospital)		0		Number of Medical F	scilities			Emergency (middle siz		)	1	
	Clinic (small size hospital)		0		Hospital fo (large size	r Serious P hospital)	atients	0		Clinic (small size hospital)		2		Hospital fo		Patients	]	
	0		*		Bank			0		Number of Daily Life	Facilities			Bank			1	
	Post Office		. 0		Market			0		Post Office		1		Market			1	
	Bus Stop		0		Public Offi (Town Hall	ces branch, etc	;.)	0		Bus Stop		1		Public Offi (Town Hall	branch, e		13	
	Main Land Use	Rice Field								Detail of products ser year of each product)	nt to market Rice, Maiz	s through the Manioc: 3,	ne bridge lo 609 tons/2	ocation (Na 2,000d/year	me of the	products, to	tal amount/	price per
	Main Production	Agriculture	/ Forestry	/ Industry	/ Commer	ce / Fishily	/ Others (	)										
	Road Class	Communal	road					·		Road Width: 6m	Average R	oad Width	3.5	m,	Average	Carriage Way	Width	п
	Surface Type	Concrete /	Asphalt /	Bitumen S	eal / Grave	/ Soil / Of	thers (	)		Actual Road Condition	Good / No	rmal / Bad /			,	)		
Present	Average Traffic Volume	Big	Bus	Sma	l Bus	Passen	ger Car	Motor	Bike	Big Track	Small	Track		art y animals)		cle and lestrian	Во	at
Condition of Access Road	(car/day)							200		9	20						<u> </u>	
	Place of Bottleneck					thers (	)			Minimum Width		1	m	Traffic Co	ntrol	Up to		tone
	Remarks	Detail of bo	ottienecks i	n the acce	ss roads:													

		r.										
		Road Network Plan	Traffic Infrastructure	Master Plan	Other Infrastructure		Priority	of this bri	ige among	the propos	sed bridge:	s in this province
	Village Level	Yes / No	Yes / No	Yes / No	Yes / No	Priority:						
Refevant	Tinago Cover	Material No.	Material No.	Material No.	Material No.		1	2	3	4	5	6
Development	District Level	Yes / No	Yes / No	Yes / No	Yes / No							x
·	District Ecver	Material No.	Material No.	Material No.	Material No.	Reason of the	priority :					
	Province Level	Yes / No	Yes / No	Yes / No	Yes / No							
	r tormoo coron	Material No.	Material No.	Material No.	Material No.							
	Low Water Level	Depth m	River Width m	River Gradient (Estim	ate)							
	Highest Flood	Depth m	River Width m	Year of the Flood								
	Tagnest 1 lood	Velocity	m/sec	Rapid flow / Moderate	e flow /Slow flow							
River	Tidal effects	No		River Bed Material								
Condition	Bridge Surface Elevation	m from Averag	e Height of River Bed	Boulder								
	Navigation to be considered	No	m number an	d type of ships:								
	Up Stream Side	Special Remarks										
	Down Stream Side	Special Remarks		,								
		Transportation Route	Road ~	~				Other	Additional	Informatio	n to be No	oted
	Transportation of Steel Girder from	Carrying Method	Trailer Truck			1, Current bri	dge mainte	nance budg	et and syst	tem		
	the Provincial Capital	Road Condition for Transportation	Suitable									
		Any Bottleneck for Tr	ansportation (		)							
		Coffering for Piers	Earth Bank with Sand	Bags								
Bridge Construction		Contract to the contract of	/ No Need (No water	in dry season)		2 Current and	expected	projects by	other done	ors (WB. A	DB, JBIC.	etc.)
		Steel Girder Erection	Suitable for Bent and	Truck Crane Method	Yes							
	Bridge Construction		Required Other Spec	ials Erection Methods	( )							
		Foundation Type	Spread Foundation									
		(Assumption)	/ Special Foundation (		)							
		Expected Work Hinder										
Remark												

Date of Answer: March / /2006

Title of Respondent:	
rice of respondent.	

No. 25	Bridge Nan	ne Thanh Phu			Province N	Name	Lao cai			Road	d Network	eround the	Bridge (cond	ceptional	map)
The R	oad on whic	ch the bridge exist			Nearest C	ity (with po	pulation ov	ver 20,000)							
Road Name	•	Station of the	Bridge	Nar	ne of the C	City	Distanc	ce From the Bridge							
Thanh Phu ro	oad	Km 25+90	0		Sa Pa			26km							
Bridge Length	90	60 m	Span		( m-	+ m+	m+	m+ m)							
Bridge Width		2.4 m	Carriage V	Vay Width				2.2 m							
Superstructure · Type	Bailey Brid	ge / Wooden Bridge /	Concrete i	Bridge / Met	al Bridge /	No Bridge	/ Other (	)							
Substructure Type	RC Column	/ RC Pile / Wooden	Pile / Masc	onry / Nile /	Other (			)							
Present Condition (Eye Check)	Other	11-00,7-0,0						N. 4-14 ·							
Necessity of Reconstruction	Yes														
Number of Days of Closed to Traffic	Vehicle / E	3ike etc.: 90 days	/year, p	edestrian or	Bicycle :		days/yea	ar							
		Information of Villa	es Beyond	the Bridge					Informat	ion of the f	Nearest Cit	y (with pop	ulation over	20,000)	······································
Number of Village		4 village	Name of R	Regional Tow	n	Thanh Phu		Name of City		Sa Pa town		Access Time from the Bridge		Bridge	minutes
Population		8286 person	Number of	Household		320	ouseholds	Population of City		5314	persons	Number of	Household		1585 rouseholds
Average Income		350.000 Dong/month	Population	Ratio of Min	nority	97	%	Average Income		550.000 D	ong/month		minutes		
Rate of School Attenda (Elementary School)	nce	99			ce (Junior	70	%	Remarks					Ву		
Number of Education	nal Facilitie	8	Junior Hig	h School		1		Number of Education	al Facilitie	8		Junior High	School		2
Elementary School		4	High Scho	ol				Elemental School		1		High School	ol		3
Number of Medical I	acilities					1		Number of Medical F	acilities						
Clinic (small size hospital)		4			atients			Clinic (small size hospital)						tients	1
Number of Daily Life	Facilities		Bank					Number of Daily Life	Facilities			Bank			
Post Office			Market			1		Post Office				Market			2
Bus Stop		0			.)	0		Bus Stop		1				)	Yes
Main Land Use	Forest				201					ts through t	the bridge k	ocation (Nar	ne of the pro	ducts, to	tal amount/price per
Main Production	Agriculture	, Forestry													
Road Class	District roa	ad					-	Road Width	Average F	load Width		m,	Average Car	rriage Way	Width m
Surface Type	Concrete /	Asphalt / Bitumen S	eal / Grave	l / Soil / Ot	hers (	)		Actual Road Condition	Good / No	ormal / Bad	/ Poor / C	thers (	)		
Average Traffic Volume	Big	Bus Sma	ill Bus	Passen	ger Car	Motor	Bike	Big Track	Small	Track					Boat
(car/day)				0		450		22 travelling by causeway	2	1			570		0
Place of Bottleneck				Others (	)			Minimum Width			m	Traffic Cor	ntrol (	Jp to	tone
Remarks	Detail of bo	ottlenecks in the acco	ess roads:												
	Road Nami Thanh Phu ro Bridge Length Bridge Width Superstructure Type Substructure Type Present Condition (Eye Check) Necessity of Reconstruction Number of Days of Closed to Traffic  Number of Village Population Average Income Rate of School Attende (Elementary School) Number of Education Elementary School Number of Medical E Clinic (small size hospital) Number of Daily Life Post Office Bus Stop Main Land Use Main Production Road Class Surface Type Average Traffic Yolume (car/day) Place of Bottleneck	The Road on white Road Name  Thanh Phu road  Bridge Length 90  Bridge Width  Superstructure 1 Bailey Brid 1 Present Condition (Eye Check)  Necessity of Reconstruction Number of Days of Closed to Traffic  Number of Village  Population  Average Income  Rate of School Attendence (Elementary School)  Number of Medical Facilities  Clinic (small size hospital)  Number of Daily Life Facilities  Clinic (small size hospital)  Number of Daily Life Facilities  Clinic Small size hospital)  Number of Daily Life Facilities  Clinic Small size hospital)  Number of Daily Life Facilities  Clinic Small size hospital)  Number of Daily Life Facilities  Clinic Small size hospital)  Number of Daily Life Facilities  Clinic Small size hospital)  Number of Daily Life Facilities  Clinic Small size hospital)  Number of Daily Life Facilities  Clinic Small size hospital)  Number of Daily Life Facilities  Clinic Small size hospital)  Number of Daily Life Facilities  Clinic Small size hospital)  Number of Daily Life Facilities  Clinic Small size hospital)  Number of Daily Life Facilities  Clinic Small size hospital)  Number of Daily Life Facilities  Clinic Small size hospital)  Number of Botiletee Reconstruction  Agriculture  Road Class  District road  Surface Type  (car/day)  Place of Bottleneck Bridge / Tu	No. 25	The Road on which the bridge exist   Road Name	The Road on which the bridge exist  Road Name Station of the Bridge Nam Thanh Phu road Km 25+900  Bridge Length 90 60 m Span Bridge Width 2.4 m Carriage Way Width Superstructure Type Bailey Bridge / Wooden Bridge / Concrete Bridge / Met Type Substructure Type RC Column / RC Pile / Wooden Pile / Masonry / Nile / Present Condition (Eye Check) Verseonstruction Number of Days of Closed to Traffic  Information of Villages Beyond the Bridge Number of Village Number of Village Vehicle / Bike etc.: 90 days/year, pedestrian or Information of Villages Beyond the Bridge Number of Village Number of Mason of Villages Number of Population Sabb persons Number of Household Average Income 350.000 Dong/month Population Ratio of Min Rate of School Attendance (Elementary School) Number of Educational Facilities Unior High School Number of Medical Facilities Unior High School Number of Medical Facilities Clinic (small size hospital) Number of Daily Life Facilities Bank Post Office Market Main Land Use Forest Main Production Agriculture, Forestry Main Production Agriculture, Forestry Road Class District road Surface Type Concrete / Asphalt / Bitumen Seal / Gravel / Soil / Ot Average Traffic Volume (car/day) O Place of Bottlenecks Bridge / Tunnel / Narrow Width Section / Others ( Detail of bottlenecks in the access roads:	The Road on which the bridge exist  Road Name  Station of the Bridge  Name of the C  Thanh Phu road  Km 25+900  Sa Pa  Bridge Length  90 60 m Span ( mm  Bridge Width  2.4 m Carriage Way Width  Superstructure Type  RC Column / RC Pile / Wooden Bridge / Concrete Bridge / Metal Bridge /  Wooden Pile / Masonry / Nile / Other (  Other  (Sey Check)  Necessity of Reconstruction Number of Days of Closed to Traffic  Information of Villages Beyond the Bridge  Number of Village  4 villages Number of Household  Average Income  350.000 Dong/month Population  8286 persons Number of Household  Average Income  350.000 Dong/month Population Ratio of Minority Rate of School Attendance (Gementary School)  Number of Medical Facilities  Unior High School  Emergency Hospital (middle size hospital)  Number of Daily Life Facilities  Bus Stop  0 Public Offices (Town Hall branch, etc.)  Main Land Use Forest  Main Production  Agriculture, Forestry  Main Production  Big Bus Small Bus Passenger Car  Place of Bottlenecks  Bridge / Tunnel / Narrow Width Section / Others ( Detail of bottlenecks in the access roads:	The Road on which the bridge exist   Nearest City (with potential Road Name   Station of the Bridge   Name of the City	The Road on which the bridge exist	The Road on which the bridge state  Road Name  Station of the Bridge  Name of the City  Sa Pa  26km  Thanh Phu road  Km 25+900  Sa Pa  26km  Thanh Phu road  Km 25+900  Sa Pa  26km  Thanh Phu road  Km 25+900  Sa Pa  26km  Thanh Phu road  Km 25+900  Sa Pa  26km  Mm* m* m* m* m* m* m* m* m* m* m* m* m* m	The Road on which the bridge saist	The Road on which the bridge salst  Road Name  Station of the Bridge  Thanh Phu road  Km 25+900  Sa Pa  26km  Bridge Length  90 60 m  Span  Carriage Way Width  2.2 m  Superstructure  Type  Substructure Type  RC Column / RC Pile / Wooden Pile / Mascery / Nile / Other ( )  Substructure Type  Substructure Type  RC Column / RC Pile / Wooden Pile / Mascery / Nile / Other ( )  Substructure Type  RC Column / RC Pile / Wooden Pile / Mascery / Nile / Other ( )  Substructure Type  RC Column / RC Pile / Wooden Pile / Mascery / Nile / Other ( )  Substructure Type  RC Column / RC Pile / Wooden Pile / Mascery / Nile / Other ( )  Substructure Type  RC Column / RC Pile / Wooden Pile / Mascery / Nile / Other ( )  Present Condition  Other  Necessity of Reconstruction  Present Condition  Number of Days of Column / RC Pile / Wooden Pile / Mascery / Nile / Other ( )  Substructure Type  Robert Village  Information of the Information of Villages Beyond the Bridge  Number of Pullage  Number of Willage  A villages Name of Regional Town  Phus  Name of City  Sa Pa  Loverage Income  350 0000 Done/month Population Ratio of Minority  97 Average Income  550 0000 D  Rate of School Attendence  (Benentary School)  Generatory School  Remarks  Number of Educational Facilities  Line (Energancy Hospital  Number of Educational Facilities  Clinic (small size hospital)  Number of Bally Life Facilities  Remarks Subsopital)  Number of Bally Life Facilities  Remarks Subsopital)  Number of Bally Life Facilities  Rad Clinic (Connal size hospital)  Number of Daily Life Facilities  Rad Clinic (Connal size hospital)  Number of Bally Life Facilities  Rad Clinic (Connal size hospital)  Number of Bally Life Facilities  Rad Clinic (Connal size hospital)  Number of Bally Life Facilities  Rad Clinic (Connal size hospital)  Number of Bally Life Facilities  Number of Bally Life Facilities  Rad Clinic (Connal size hospital)  Number of Bally Life Facilities  Number of Bally Life Facilities  Rad Clinic (Connal size hospital)  Number of Bally Life Facilities  Number of B	The Road on which the bridge exist  Read on which the bridge exist  Road Name  Station of the Ririge  Thanh Phu road  Km 25+900  Sa Pa  26km  Signartsruture  Name of Other (   )  Present Condition  Signartsruture  Verical Authorities  Information of Village  A village Bayond the Bridge  Number of Byog  Verical Signartsruture  Signartsruture  Signartsruture  Number of Willage  A village Bayond the Bridge  Number of Regional Town  Final  Number of Signartsruture  Signartsrutu	The Road on which the bridge seist  Road Mare  Station of the Bridge  Then's Phur road  Km 25+800  Sa Pa  286m  Distance From the Bridge  Then's Phur road  Km 25+800  Sa Pa  286m  Distance From the Bridge  Then's Phur road  Km 25+800  Sa Pa  286m  Distance From the Bridge  Then's Phur road  Km 25+800  Sa Pa  286m  Distance From the Bridge  Then's Phur road  Road Station of the Bridge / Modern Br	The Road on which the Irridge select  Road Name  Station of the Bridge  Name of the City  Distance From the Bridge  Thanh Phu road  Kin 251900  Sa Pa  28bim  Ridge Width  2.4 m Carriage Way Width  2.4 m Carriage Way Width  2.2 m  Superstructure  Superstructure  Balley Bridge / Wooden Bridge / Concrete Bridge / Other ( )  Yes  Road Manne of Play / Wooden Pile / Masonry / Nile / Other ( )  Present Condition  (Singe Chebal)  Necessity of  Reconstruction of User  Number of Diars of  Cheer of Diars of  Chebel of Tariffe  Multiple Balley Bridge / Width of Diars of  Number of Villages Bayond the Bridge  Average Income  300,000 Done/month / Population Rate of Honorshide  Average Income  300,000 Done/month / Population Rate of Honorshide  Average Income  300,000 Done/month / Population Rate of Regional Town  Phus Average Income  300,000 Done/month / Population Rate of Regional Town  Phus Average Income  300,000 Done/month / Population Rate of Regional Town  Rate of Stoken Attendence  Blementary School  4 High School  School Attendence  Blementary School  4 High School  Climic and School  4 High School  Climic and School Attendence  Climic and School  4 High School  Climic and School  Av	The Road on which the bridge select  The Road on which the bridge select  Road Name  Station of the Bridge  Thenh Phu road  Km 25+900  Sa Pa  Z65m  Chiefe Length  90 60 m Span  Carriage Way Width  2.4 m Carriage Way Width  2.4 m Carriage Way Width  2.4 m Carriage Way Width  2.5 m Span  Chiefe Chedol  Charry  Road Manner  Balley Bridge / Wooden Bridge / Concrete Bridge / No Bridge / Other ( )  )  Present Candition  (Singe Chedol)  Necessity of Repeature of Villages  Reconstruction by Reconstruction  Information of Villages  Bulley Bridge / Wooden Ride / Masonry / Nile / Other ( )  )  Present Candition  (Singe Chedol)  Necessity of Repeature of Villages  Reconstruction  Information of Villages  Bulley Bridge / Wooden Ride / Masonry / Nile / Other ( )  )  Number of Disar of Clouder to Traffe  Information of Villages  Bulley Bridge / Washington over 20,000)  Number of Villages  Average Income  300,000 Deng/month Pepulation Ratio of Minority  97 Varvarage Income  300,000 Deng/month Pepulation Ratio of Minority  97 Varvarage Income  300,000 Deng/month Pepulation Ratio of Minority  97 Varvarage Income  300,000 Deng/month Pepulation Ratio of Minority  97 Varvarage Income  300,000 Deng/month Pepulation Ratio of Minority  97 Varvarage Income  300,000 Deng/month Pepulation Ratio of Minority  97 Varvarage Income  300,000 Deng/month Pepulation Ratio of Minority  97 Varvarage Income  300,000 Deng/month Pepulation Ratio of Minority  97 Varvarage Income  300,000 Deng/month Pepulation Ratio of Minority  97 Varvarage Income  300,000 Deng/month Pepulation Ratio of Minority  97 Varvarage Income  300,000 Deng/month Pepulation Ratio of Minority  98 Varvarage Income  300,000 Deng/month Pepulation Ratio of Minority  98 Varvarage Income  300,000 Deng/month Pepulation Ratio of Minority  99 Varvarage Income  300,000 Deng/month Pepulation Ratio of Minority  99 Varvarage Income  300,000 Deng/month Pepulation Ratio of Minority  90 Varvarage Income  300,000 Deng/month Pepulation Ratio of Minority  90 Varvarage Income  90 Varvarage Income  90

		Road Network Plan	T	Mark Di	011 16 4 4								<del></del>
		Road Network Plan	Traffic Infrastructure	Master Plan	Other Infrastructure		Priority	of this bri	dge among	the propo	sed bridg	es in thi	s province
	Village Level	Yes / No	Yes / No	Yes / No	Yes / No	Priority :							
Relevant		Material No.	Material No.	Material No.	Material No.		1	2	3	4	5	6	
Development Plan	District Level	Yes / No	Yes / No	Yes / No	Yes / No		x						
	District Cover	Material No.	Material No.	Material No.	Material No.	Reason of the	priority :						
	Province Level	Yes / No	Yes / No	Yes / No	Yes / No								
		Material No.	Material No.	Material No.	Material No.								
	Low Water Level	Depth m	River Width m	River Gradient (Estim	ate)								
	Highest Flood	Depth m	River Width m	Year of the Flood									
	nignest riood	Velocity	m/sec	Rapid flow / Moderate	flow /Slow flow								
River	Tidal effects	No		River Bed Material									
Condition	Bridge Surface Elevation	m from Averag	e Height of River Bed	Boulder									
	Navigation to be considered	No	m number an	d type of ships:									
	Up Stream Side	Special Remarks											
	Down Stream Side	Special Remarks											
		Transportation Route	~	~				Other	Additional	Informati	an to be i	Noted	
1	Transportation of Steel Girder from		Trailer Truck			1. Current brid	ge mainter	nance bud	get and sys	tem			
	the Provincial Capital	Road Condition for Transportation	Suitable										
		Any Bottleneck for Tr	ansportation (		)								
		Coffering for Piers	Earth Bank with Sand	Bags									
Bridge Gonstruction			/ No Need (No water	in dry season)		2 Current and	expected (	projects b	other don	ors (WB, /	ADB, JBIO	C, etc.)	
		Steel Girder Erection	Suitable for Bent and	Truck Crane Method	Yes								
	Bridge Construction		Required Other Spec	ials Erection Methods	( )								
		Foundation Type	Spread Foundation										
		(Assumption)	/ Special Foundation (		)								
		Expected Work Hinder											
Remark													

Date of Answer: March / /2006

Bridge No.	No. 26	Bridge Nan	ne	Ban Xeo		Р	rovince N	łame	Lao Cai				Road	Network a	round the	Bridge (conceptional	map)	
	The R	oad on whic	ch the brid	ge exist		N	learest C	ity (with po	pulation o	ver 20,000)								
Bridge Location	Road Name	e	Stati	on of the B	ridge	Nam	e of the C	ity	Distanc	e From the	Bridge	'						
	PR			Km 34			Ban Xeo			24km		1						
	Bridge Length			m	Span	(	m-	m+	m+	m+	m)							
	Bridge Width			m	Carriage W	ay Width					m	1						
	Superstructure Type	Bailey Brid	ge / Woode	en Bridge /	Concrete B	ridge / Meta	l Bridge /	No Bridge	/ Other (		)							
Present Condition of	Substructure Type	RC Column	/ RC Pile	/ Wooden	Pile / Masor	nry / Nile / 0	Other (				)							
Bridge	Present Condition (Eye Check)	Good / Old	/ Weak /	Non Seriou	s Damage /	Serious Dan	nage / Flo	w Out / Ot	her (		)							
	Necessity of Reconstruction	Yes Reason	n: To servi	the travelli	ng of the loc	al people; to	socio-ec	onomic dev	elopment i	n region.						)		
	Number of Days of Closed to Traffic	Vehicle / 8	Bike etc. :	60 days	/year, p	edestrian or l	Bicycle :	90	days/	year (		]						
			Informati	on of Villag	es Beyond	the Bridge						Informati	on of the N	earest City	y (with pop	ulation over 20,000)		
	Number of Village	villages	Name of Re	egional Town		Ban Xeo		Name of Cit	у		Bat Xat		Access Tin	ne from the Bridge	30	minutes		
					Number of	Household		336	ouseholds	Population :	of City		3473	persons	Number of	Household	9161	ouseholds
	Average Income		Dong/	month		Ratio of Mine		96	%	Average Inc	ome		Do	ng/month		ne from the main and the bridge site		minutes
	Rate of School Attenda (Elementary School)	ence	99	*	Rate of School	ool Attendance	e (Junior	75		Remarks					(by general residents)	means of trip for the	Ву	
	Number of Education	nal Facilitie	•		Junior High	School				Number of	Education	al Facilities	)		Junior High	School	2	
Actual State of Social	Elementary School				High Schoo	1				Elemental S	chool				High Schoo	1	2	
Economic	Number of Medical I	Facilities .			Emergency (middle size	hospital)		2		Number of	Medical F	acilities			Emergency (middle size			
	Clinic (small size hospital)		7		Hospital for (large size	· Serious Pat hospital〉	ients	0		Clinic (small size l	nospital)		7		Hospital for (large size	Serious Patients hospital)	1	
	Number of Daily Life	Facilities			Bank					Number of	Daily Life	Facilities			Bank			
	Post Office				Market			3		Post Office					Market		1	
	Bus Stop		1		Public Offic (Town Hall	es branch, etc.)				Bus Stop			1			branch, etc.)	Yes	
	Main Land Use	Forest								Detail of pro year of eacl	oducts sen product)	nt to market	s through th	e bridge lo	cation (Nan	ne of the products, tot	al amount/p	rice per
	Main Production	Agriculture,	, Forestry															
	Road Class	National / F	Provincial /	District /	Others (	)				Road Width	_	Average Re	oad Width		m,	Average Carriage Way	Width	m
	Surface Type	Concrete /	Asphalt /	Bitumen Se	al / Gravel	/ Soil / Oth	ers (	)		Actual Road Condition	l 	Good / No	rmal / Bad .	Poor / O	thers (	)		
Present	Average Traffic Volume	Big (	Bus	Smal	l Bus	Passenge	er Car	Motor	Bike	Big T		Small	Track	(drawn by		Bicycle and pedestrian	Во	at
Condition of Access Road	(car/day)					5		600		28 trave cause		45				570	0	
	Place of Bottleneck	Bridge / Tu				thers (	)			Minimum Wi	dth			m	Traffic Con	trol Up to		tone
	Remarks	Detail of bo	ottienecks i	n the acces	ss roads:													

[		Road Network Plan	Traffic Infrastructure	Master Plan	Other Infrastructure		Onlast.	of this to	4	···	4 6 . 4 2	
i							rmonty	or this bri	uge among t	ne propos	sed bridge	s in this province
	Village Level	Yes / No	Yes / No	Yes / No	Yes / No	Priority :						
Relevant		Material No.	Material No.	Material No.	Material No.		1	2	3	4	5	6
Development Plan	District Level	Yes / No	Yes / No	Yes / No	Yes / No					X		
		Material No.	Material No.	Material No.	Material No.	Reason of the	priority :					
	Province Level	Yes / No	Yes / No	Yes / No	Yes / No							
	E .	Material No.	Material No.	Material No.	Material No.							
	Low Water Level	Depth m	River Width m	River Gradient (Estima	ate)							
<b>!</b>	Highest Flood	Depth m	River Width m	Year of the Flood								
	I III I I I I I I I I I I I I I I I I	Velocity	m/sec	Rapid flow / Moderate	flow /Slow flow							
River	Tidal effects	No		River Bed Material								
Condition	Bridge Surface Elevation	m from Averag	ge Height of River Bed	Boulder								
	Navigation to be considered	No	m number an	d type of ships:								
<del>!</del>	Up Stream Side	Special Remarks										
	Down Stream Side	Special Remarks										
		Transportation Route	~	~				Other	Additional	Informatic	n to be N	oted
	Transportation of Steel Girder from	Carrying Method	Trailer Truck			1. Current bri	dge mainter	nance buda	et and syst	em		
	the Provincial Capital	Road Condition for Transportation	Suitable									
		Any Bottleneck for Tr	ansportation (		)							
		Coffering for Piers	Earth Bank with Sand	Bags								
Bridge Construction			/ No Need (No water	in dry season)		2 Current and	expected	projects by	other done	rs (WB, A	DB. JBIC	, etc.)
<b>]</b>		Steel Girder Erection	Suitable for Bent and	Truck Crane Method	Yes							
	Bridge Construction	ocos. Giragi Erection	Required Other Speci	ials Erection Methods	( )							
		Foundation Type	Spread Foundation / F	RC Pile (L < 15m) / RC	Pile (L > 15m)							
		(Assumption)	/ Special Foundation (		)							
		Expected Work Hinder										
Remark												

Date of Answer: March /

/2006

Γitłe	of	Respondent:	

			Bridge Name Muong														
Bridge No.	No. 27	ad on which the bridge exist					Province I	Name La	o Cai			Road	Network	eround the	Bridge (conceptional	map)	-
	The R	load on whic	ch the brid	ge exist			Nearest C	ity (with popul	lation ov	rer 20,000)	,						
Bridge Location	Road Nam	e	Stati	ion of the B	Bridge	Na	me of the (	City	Distanc	ce From the Bridge	1						
	District roa	ad		Km 44			Muong Hun	,		34km							
	Bridge Length			m	Span		( m	+ m+	m+	m+ m)	1						
	Bridge Width			m	Carriage V	ay Width	}			m							
Present	Superstructure Type	Bailey Brid	ige / Woods	ın Bridge /	Concrete I	Bridge / Me	tal Bridge /	No Bridge / C	Other (	)							
Condition of Bridge	Substructure Type	RC Column	n / RC Pile	/ Wooden	Pile / Maso	nry / Nile /	Other (			)							
D) luge	Present Condition (Eye Check)	Good / Old	d / Weak /	Non Seriou	is Damage /	Serious D	amage / Flo	ow Out / Other	r (	)							
	Necessity of Reconstruction	Yes Reaso	in : To servi	e the trave	lling of the	local people	To socio	economic deve	elopment	t.	-				)		
	Number of Days of Closed to Traffic	Vehicle / E	Bike etc. : 1	05 days	/year, p	edestrian o	r Bicycle :	120 days	/year								
			Informatio	on of Villag	es Beyond	the Bridge				-	Informat	ion of the N	earest Cit	y (with pop	ulation over 20,000)		
	Number of Village		5	villages	Name of R	legional Tov	vn			Name of City		Bat Xat		Access Tir	ne from the Bridge		45 minutes
	Population					Household		hou	seholds	Population of City		3473	persons	Number of	Household	9	16 iouseholds
	Average Income	rage Income 350,000 Dong/mo				Ratio of M	inority		%	Average Income		500.000 Do	ng/month		ne from the main ond the bridge site		minutes
	Rate of School Attend (Elementary School)	ate of School Attendance				ool Attendar I)	nce (Junior		. %	Remarks				(by general residents)	I means of trip for the	Ву	
	Number of Educatio	nal Facilitie	) <b>3</b>		Junior Hig	h School				Number of Education	al Facilitie			Junior High	n School		2
Actual State of Social	Elementary School		5		High Scho					Elemental School		1		High School	ol		7
Economic	Number of Medical I	Facilities			Emergency (middle siz	/ Hospital e hospital)				Number of Medical F	acilities			Emergency (middle siz			
	Clinic (small size hospital)		5		Hospital fo (large size	r Serious P hospital)	atients			Clinic (small size hospital)		3		Hospital fo (large size	r Serious Patients hospital)		1
	Number of Daily Life	Facilities -			Bank					Number of Daily Life	Facilities			Bank			
	Post Office				Market					Post Office		1		Market			1
	Bus Stop		1		Public Offi (Town Hall	ces branch, etc	c.)			Bus Stop		1		Public Offic (Town Hall	ces branch, etc.)	Yes	
	Main Land Use	Forest								Detail of products sen year of each product)	nt to marke	ts through th	ne bridge lo	ocation (Nar	ne of the products, to	tal amoun	t/price per
	Main Production	Agriculture	, Forestry														
	Road Class	District ro	ıad							Road Width	Average R	oad Width		m,	Average Carriage Way	/ Width	m
	Surface Type	Gravel								Actual Road Condition	Good / No	rmal / Bad /	/ Poor / O	thers (	>		
Present	Average Traffic Volume	Big	Bus	Sma	il Bus	Passen	ger Car	Motor Bi	ke	Big Track	Small	Track		art y animals)	Bicycle and pedestrian		Boat
Condition of Access Road	(car/day)					5		400		30	42				675		0
	Place of Bottleneck	Bridge / To	unnel / Nar	row Width	Section / C	thers (	)			Minimum Width			m	Traffic Cor	itrol Up to	1	tone
	Remarks	Detail of bo	ottlenecks i	n the acce	ss roads:												
		<u> </u>															
		Road Net	work Plan	Traffic Infr	rastructure	Maste	r Plan	Other Infrastr	ructure		Priority of	this bridge =	mone the	proposed b	ridges in this provinc		
		Yes / No		Yes / No		Yes / No		Yes / No		Priority :				p			

	l			1									
		Road Network Plan	Traffic Infrastructure	Master Plan	Other Infrastructure	F	Priority o	of this bri	idge amons	the prop	osed brid	iges i	n this province
	Village Level	Yes / No	Yes / No	Yes / No	Yes / No	Priority :							
Relevant		Material No.	Material No.	Material No.	Material No.	1		2	3	4	5		6
Development Plan	District Level	Yes / No	Yes / No	Yes / No	Yes / No			x					
		Material No.	Material No.	Material No.	Material No.	Reason of the price	ority :						
	Province Level	Yes / No	Yes / No	Yes / No	Yes / No								
		Material No.	Material No.	Material No.	Material No.								
	Low Water Level	Depth m	River Width m	River Gradient (Estim	ate)								
	Highest Flood	Depth m	River Width m	Year of the Flood									
	This it is the second	Velocity	m/sec	Rapid flow / Moderate	e flow /Slow flow								
River	Tidal effects	No		River Bed Material									
Condition	Bridge Surface Elevation	m from Averag	e Height of River Bed	Boulder									
	Navigation to be considered	No	m number an	d type of ships:									
	Up Stream Side	Special Remarks											
	Down Stream Side	Special Remarks											
		Transportation Route	~	~				Othe	r Additiona	i Informat	ion to be	Note	ed
	Transportation of Steel Girder from	Carrying Method	Trailer Truck	***************************************		1. Current bridge	mainten	ance bud	get and sy	stem			
	the Provincial Capital	Road Condition for Transportation	Suitable										
		Any Bottleneck for Tr	ansportation (		)								
		Coffering for Piers	Earth Bank with Sand	! Bags									
Bridge Construction			/ No Need (No water	in dry season)		2 Current and exp	pected p	rojects b	y other do	nors (WB.	ADB, JE	SIC, et	tc.)
		Steel Girder Erection	Suitable for Bent and	Truck Crane Method	Yes								
	Bridge Construction		Required Other Speci	ials Erection Methods	( )								
		Foundation Type	Spread Foundation										
		(Assumption)	/ Special Foundation (		)								
		Expected Work Hinder											
Remark													

Bridge Name

Den Sang

## **QUESTIONNAIRE ON REQUESTED BRIDGES**

Lao Cai

ate of Answer: Marc

/2006

Name of Respondent:

Title of Respondent:

Road Network around the Bridge (conceptional map)

	The F	load on which the	bridge exist			Nearest C	lity (with population	over 20,000)	Ι.		•				
Bridge Location	Road Nam	e	Station of the B	ridge	Na	me of the (	City Dist	ance From the Bridge	1 `						
	District ro	nd .	Km 0+51			Den Sang		41km	1						
	Bridge Length	<del></del>	m	Span		( m	+ m+	m+ m+ m)	1						
				Carriage V	ilas i NAGIJAL				-						
	Bridge Width Superstructure		m					m	-						
Present	Туре	Bailey Bridge / V	Nooden Bridge /	Concrete I	Bridge / Met	tal Bridge /	No Bridge / Other	( )							
Condition of Bridge	Substructure Type	RC Column / RC	C Pile / Wooden I	Pile / Maso	onry / Nile /	Other (		)	_[						
	Present Condition (Eye Check)	Good / Old / We	eak / Non Seriou	s Damage ,	/ Serious Da	amage / Flo	ow Out / Other (	)							
	Necessity of Reconstruction	Yes Reason: To	serve the travell	ing of the l	ocal people;	To socio-e	economic developm	ent. In region	_				)		
	Number of Days of Closed to Traffic	Vehicle / Bike e	tc.: 120		days/yea	r, pede	strian or Bicycle :	20 days/ye	ear						
	Olosed to Traine	Info	rmation of Villag	es Beyond	the Bridge				Informat	ion of the N	earest Cit	v (with nor	pulation over 20,000)	<del></del>	
	Number of Village		3 villages	Name of F	legional Tow	<u> </u>	Den Sang	Name of City		Bat Xat			me from the Bridge		
	Population				Household		commune							15	
	<b>-</b>	<del></del>					1	ds Population of City		3473			Household	916	nouseholds
	Average Income Rate of School Attend		000 Dong/month				98	% Average Income		500.000 Da	ng/month	village bey	me from the main ond the bridge site		minutes
	(Elementary School)		99 %	High Schoo	nool Attendan	ice (Junior	70	% Remarks				residents)	I means of trip for the	By motorbi	ike; bycicle
	Number of Education	nel Facilities		Junior Hig	h School		1	Number of Education	nal Facilitie	•		Junior Hig	h School	2	
Actual State of Social	Elementary School		5	High Scho	of		0	Elemental School				High Scho	ol	2	
Economic	Number of Medical	Facilities		Emergency (middle siz	y Hospital e hospital)		1	Number of Medical F	acilities			Emergency (middle cir	/ Hospital e hospital)	1	
	Clinic (small size hospital)		3	Hospital fo	r Serious P	atients	0	Clinic		2		Hospital fo	r Serious Patients	1	
	Number of Daily Life	Facilities		(large size Bank	nospitai)		0	(small size hospital)  Number of Daily Life	Facilities	L		(large size Bank	hospital)	· · · · · ·	
	Post Office		0	Market			1	Post Office		r .			~		
	ļ			Public Offi	ces							Market Public Offi		1	
	Bus Stop		1		branch, etc	:.)	0	Bus Stop		1	<del></del>	(Yown Hall	branch, etc.)	Yes	
	Main Land Use	Forest						year of each product	nt to marke ): rice, Maiz	ts through the e, Manioc: 50	ie bridge id 10 tons/2,0	ication (Na 100,000d/ye	me of the products, tot ear	al amount/	price per
<u> </u>	Main Production	Agriculture, Fore	stry												
	Road Class	National / Provin	ncial / District /	Others (	)			Road Width	Average R	oad Width		m,	Average Carriage Way	Width	m
	Surface Type	Gravel						Actual Road Condition	Good / No	rmal / Bad ,	Poor / 0	thers (	)		
	Average Traffic	Big Bus	Smal	l Bus	Passen	ger Çar	Motor Bike	Big Track	Small	Track		art	Bicycle and	Во	pat
Present Condition of	Volume (car/day)				5		300	25 travelling by	37		(drawn b	/ animals)	pedestrian 570		
Access Road	Place of Bottleneck	Bridge / Tunnel	/ Marray Width 6	Castian (C	L	)	l	Causeway Minimum Width		<u>'</u>			<u> </u>	- 0	
	i lace of Bottorieck		ecks in the acces		- Circis (	'		Harmadis Wider	L		m 	Traffic Cor	ntrol Up to		tone
	Remarks														
<u> </u>															
		Road Network F	Plan Traffic Infr	astructure	Maste	r Plan	Other Infrastructu	re	Priority of	this bridge s	mong the	proposed b	ridges in this province	)	
		Yes / No	Yes / No		Yes / No		Yes / No	Priority :							
	Village Level	Material No.	Material No	).	Material No	١,	Material No.	╡ ,	1 2	3	4	5	6		
Relevant Development		Yes / No	Yes / No		Yes / No		Yes / No	┪ ゚		x			Ü		
Plan	District Level	Material No.	Material No		Material No		Material No.	-		^					
	_				·			Reason of the pri	iority :						
	Province Level	Yes / No	Yes / No		Yes / No		Yes / No								
		Material No.	Material No	i,	Material No		Material No.	_							
	Low Water Level	Depth	m River Width	m	River Gradi	ent (Estima	ate)								l
	Highest Flood	Depth	m River Width	m	Year of the	e Flood									
	ingnest 11000	Velocity	m/sec		Rapid flow	/ Moderate	flow /Slow flow	1							
River	Tidal effects	No			River Bed M	Material									
	Bridge Surface	m from A	verage Height of	River Bed	Boulder										j
	Elevation Navigation to be	No			d type of shi		···- ··· ···	-							l
	considered				u type or sin	ips.									
	Up Stream Side	Special Remarks	-					4							
	Down Stream Side	Special Remarks						ļ							
		Transportation R	oute	~		~				Other Add	itional Info	rmation to	be Noted		
	Transportation of Steel Girder from	Carrying Method	Trailer Truc	:k				1. Current bridge	maintenan	ce budget a	nd system				
	the Provincial Capital	Road Condition for Transportation	or Suitable					1							
		Any Bottleneck f	or Transportation	1 (			)								
			Earth Bank	with Sand	Bags			1							
Bridge		Coffering for Pier	rs		in dry seaso	nn)		2 Current and av				WD 400	IDIO ( )		
Construction					Truck Crane	-	·	2 Current and ex	Padren bloi	AAre DA OEU	, uoners	HD, AUB,	ODIO, BIC.)		
	Duides Cos et al	Steel Girder Erec	tion												
	Bridge Construction		1		als Erection	Methods (		-							
		Foundation Type	Spread Fou	ndation				_							ļ
		(Assumption)	/ Special Fo	oundation (	<u></u>										l
		Expected Work Hinder													

Date of Answer: March / /2006

Name of Respondent:

Title of Respondent:

		-																
Bridge No.	No. 29	Bridge Nan	100	Soi Trat			Province !	Name	Lao Cai			Road	Network (	round the	Bridge (co	nceptional	map)	
	The R	oad on whic	h the bridg	e exist			Nearest C	ity (with po	pulation o	ver 20,000)								
Bridge Location	Road Name	•	Statio	on of the B	ridge	Na	me of the (	City	Distanc	ce From the Bridge	1							
	Son Ha commun	al road		Km 0+900			Lu street			6 km	1							1
	Bridge Length			m	Span		( m	+ m+	m+	m+ m)	1							
	Bridge Width			m	Carriage W	ay Width				m	]							
Present	Superstructure Type	Suspension	Bridge				<b>!</b>				1							
Condition of Bridge	Substructure Type	RC Column	/ RC Pile /	/ Wooden	Pile / Maso	nry / Nile /	Other (			)	1							
ci i age	Present Condition (Eye Check)	Good / Old	/ Weak / N	lon Seriou	s Damage /	Serious Da	amage / Flo	w Out / Ot	her (	)	1							
	Necessity of Reconstruction	Yes Reason	n : To serve	the travel	ling of the l	ocal people	; To sioco-	economic d	evelopmen	t in region.	•					)		
	Number of Days of Closed to Traffic	Vehicle / B	Bike etc. :	60		days/year	, pedest	trian or Bicy	cle: (	60 days/year	1							
			Informatio	n of Villag	es Beyond	the Bridge					Informat	ion of the N	earest Cit	y (with pop	ulation ove	or 20,000)	-	
	Number of Village		2	villages	Name of R	egional Tow	m	Son Hai		Name of City		Pho Lu	-	Access Tin	ne from the	Bridge	1	5 minutes
	Population 21507 per Average Income 350.000 Dong/m			persons	Number of	Household		703	ouseholds	Population of City		9347	persons	Number of	Household		249	6 iouseholds
	Average Income		350.000 Do	ng/month	Population	Ratio of Mi	inority		*	Average Income		550.000 Do	ng/month	Access Tin village beyo	ne from the			minutes
	Rate of School Attenda (Elementary School)	nce	99	*	Rate of Sch High School		nce (Junior	91	%	Remarks				(by general residents)	means of	trip for the	Ву	
	Number of Education	nal Facilities	•		Junior High	School		2		Number of Education	nal Facilitie	•		Junior High	School			2
Actual State of Social	Elementary School		2		High Schoo					Elemental School		2		High School	ol .			2
Economic	Number of Medical F	acilities			Emergency (middle size	e hospital)				Number of Medical F	acilities			Emergency (middle size				1
	Clinic (small size hospital)		2		Hospital for (large size		atients			Clinic (small size hospital)		1		Hospital for (large size	r Serious P hospital)	atients		1
	Number of Daily Life	Facilities .			Bank					Number of Daily Life	Fecilities			Bank				
	Post Office				Market			1		Post Office	-	1		Market				1
	Bus Stop				Public Offic (Town Hall	es branch, etc	s.)			Bus Stop		1		Public Offic (Town Hall	branch, etc		Yes	
	Main Land Use	Forest								Detail of products se year of each product	nt to marke )	ts through th	e bridge to	cation (Nar	ne of the p	roducts, tot	al amoun	/price per
	Main Production	Agriculture,	. Forestry					•									_	
	Road Class	National / F	Provincial /	District /	Others (	)				Road Width	Average R	load Width		m,	Average C	arriage Way	Width	m
	Surface Type	Gravel								Actual Road Condition	Good / No	ormal / Bad	Poor / O	thers (	)			
Present	Average Traffic Volume	Big (	Bus	Smal	l Bus	Passen	ger Car	Motor	Bike	Big Track	Small	Track		art / animals)		le and strian		Boat
Condition of Access Road	(car/day)							700										
i	Place of Bottleneck	Bridge / Tu				thers (	)			Minimum Width			m	Traffic Cor	itrol	Up to		tone
	Remarks	Detail of bo	ttlenecks in	the acces	ss roads:									-				

	Ī	Road Network Plan	Traffic Infrastructure	Master Plan	Other Infrastructure		Dataste	-C+L1- 1 '	4				
			Tramic Intrastructure	Master Plan			Priority	of this bri	dge among	the propos	ed bridg	ges in ti	his province
	Village Level	Yes / No	Yes / No	Yes / No	Yes / No	Priority:							
Relevent		Material No.	Material No.	Material No.	Material No.		1	2	3	4	5	6	
Development	District Level	Yes / No	Yes / No	Yes / No	Yes / No						x		
	0.00.00	Material No.	Material No.	Meterial No.	Material No.	Reason of the	priority :						
	Province Level	Yes / No	Yes / No	Yes / No	Yes / No								
<u></u>	TOTALCO COVO	Material No.	Material No.	Material No.	Material No.								
	Low Water Level	Depth m	River Width m	River Gradient (Estim	ate)								
	Highest Flood	Depth m	River Width m	Year of the Flood									
	riigilest i lood	Velocity	m/sec	Rapid flow / Moderate	flow /Slow flow								
River	Tidal effects	No		River Bed Material									
Condition	Bridge Surface Elevation	m from Averag	e Height of River Bed	Boulder									
	Navigation to be considered	No	m number an	d type of ships:									
	Up Stream Side	Special Remarks											
	Down Stream Side	Special Remarks											
		Transportation Route	~	~				Other	Additional	Informatio	n to be	Noted	
	Transportation of Steel Girder from	Carrying Method	Trailer Truck			1. Current brid	ge mainter	ance bud	et and syst	tem			
	the Provincial Capital	Road Condition for Transportation	Suitable										
		Any Bottleneck for Tr	ansportation (		)								
		Coffering for Piers	Earth Bank with Sand	Bags									
Bridge Construction		Conting to the s	/ No Need (No water	in dry season)		2 Current and	expected r	rojects by	other done	ors (WB, A	DB, JBI	C, etc.)	<u>L</u>
		Steel Girder Erection	Suitable for Bent and	Truck Crane Method	Yes								
	Bridge Construction	Stor. Girder Erection	Required Other Speci	als Erection Methods	( )								
		Foundation Type	Spread Foundation										
		(Assumption)	/ Special Foundation (		)								
		Expected Work Hinder											
Remark													

Bridge No. No. 30

Bridge Name

The Road on which the bridge exist

## **QUESTIONNAIRE ON REQUESTED BRIDGES**

Nearest City (with population over 20,000)

Province Name

Date of Answer: March / 7

/2006

Name of Respondent:

MA Van Thang

Chairman of CPC

Road Network around the Bridge (conceptional map)

Location	Road Nam	~		on of the B	•	1		City		ce From the Bridge	1					
	Chiem Hoa _ Lir	nh Phu	1	Km 20+00			Vinh Loc			20km	1					
	Bridge Length	<u> </u>	20	m	Span		( "	r+ m+	. m.	m+ m)	1					
	Bridge Width		1	m	Carriage V	Vay Width				****						
1	Superstructure	W	-		our mage v		I			1 m						
Present	Туре	Wooden Brid	oge													
Condition of Bridge	Substructure Type	Masonry														
	Present Condition (Eye Check)	Old														
	Necessity of Reconstruction	Yes Reason	: To serve	travelling	of local pe	ople, excha	inge of good	ls; to socio-	economic o	development in region.						)
	Number of Days of Closed to Traffic	Vehicle / Bil	ke etc.: 60	0		days/yea	r, pedes	trìan or Bicy	rcle: 60	days/year						
	Closes to Traine	1	Information	n of Villag	es Beyond	the Bridge	•			1, 1	Informat	ion of the N	serest Cir	ty (with nor	oulation over 20,000)	
	Number of Village	1	6			Regional To	<del></del>	Lang		Name of City		J	Chiem	_		
ĺ					-			Quang		· · · · · · · · · · · · · · · · · · ·		VIIII LOC	Hoa	<b> </b>	me from the Bridge	60 minutes
	Population		1747			f Household		62	ouseholds	Population of City		7136		Number of		1701 rouseholds
	Average Income		200.000 Dor	ng/month				100	*	Average Income		500.000 Do	ng/month	village bey	me from the main ond the bridge site	minutes
	Rate of School Attend (Elementary School)	ance	100	*	Rate of School	nool Attenda il)	ince (Junior	100	*	Remarks				(by genera residents)	I means of trip for the	By motorbike, bycicle
	Number of Educatio	nal Facilities			Junior Hig	h School		0		Number of Education	el Facilitie	5		Junior High	h School	2
Actual State	Elementary School		2		High Scho	ol		0		Elemental School		2		High Scho	ol	1
of Social Economic	Number of Medical	Facilities		:	Emergenc	y Hospital re hospital)		0		Number of Medical F	acilities	<del></del>		Emergency		1
	Clinic	. T	1		Hospital fo	or Serious F		0		Clinic		1			e hospital) r Serious Patients	<u> </u>
	(small size hospital)  Number of Daily Life			(large size Bank	hospital)	_	1		(small size hospital)		<u> </u>		(large size	hospital)	ļ	
	l	o Facilidas						0		Number of Daily Life	Facilities	T		Bank		1
	Post Office		1		Market			0		Post Office		1		Market	·	1
	Bus Stop				Public Offi (Town Hall	ices I branch, et	ic.)	0		Bus Stop			_	Public Offi (Town Hall	branch, etc.)	
	Main Land Use	Rice Field, F	Forest							Detail of products ser year of each product)	nt to market : Maize, Ric	ts through th e, Sugar can	e bridge k e, Manioc	cation (Nar 350 tons/2	me of the products, to 2,000,000d	tal amount/price per
	Main Production	Agriculture, I	Forestry													
	Road Class	District road	d							Road Width: 6m	Average R	load Width	5.5	m,	Average Carriage Wa	y Width 3.5 m
	Surface Type	Gravel								Actual Road	Normal					
	Average Traffic	Big Bi		Small	l Bus	Passar	nger Car	Motor	Dita	Condition		<del> Т</del>	C	art	Bicycle and	T .
Present Condition of	Volume	5.60				r assor	ilger Car		DIKE	Big Track	Small	Track		y animals)	pedestrian	Boat
Access Road	(car/day)					<u> </u>		60								
	Place of Bottleneck	Bridge / Tun Detail of bott				Others (	)			Minimum Width	ĺ		m 	Traffic Cor	ntrol Up to	tone
	Remarks	Detail of both	denecks in	the acces	ss roads:											
	ı															
		Road Netwo	ork Plan T	Traffic Infr	astructure	Maste	er Plan	Other Infra	structure		Priority of t	this bridge s	mone the	proposed b	vides in this provinc	-
			-		astructure		er Plan	Other Infra	structure		Priority of t	this bridge s	mong the	proposed b	ridges in this provinc	8
	Village Level	Yes / No	Y	res / No		Yes / No		Yes / No		Priority :			mong the	···		:8
Relevant	Village Level	Yes / No Material No.	Y	Yes / No Material No		Yes / No Material N		Yes / No Material No					4	5		.6
Development	Village Level District Level	Yes / No Material No. Yes / No	Y M	Yes / No Material No Yes / No	).	Yes / No		Yes / No		Priority :			mong the	5		
Development		Yes / No Material No.	Y M	Yes / No Material No	).	Yes / No Material N	lo.	Yes / No Material No		Priority :	2		4	5		.6
Development Plan	District Level	Yes / No Material No. Yes / No	Y N Y	Yes / No Material No Yes / No	).	Yes / No Material N Yes / No	lo.	Yes / No Material No Yes / No		Priority :	2		4	5		
Development Plan		Yes / No Material No. Yes / No Material No.	Y N Y	Yes / No Material No Yes / No Material No	).	Yes / No Material N Yes / No Material N	lo.	Yes / No Material No Yes / No Material No		Priority :	2		4	5		
Development Plen	District Level	Yes / No Material No. Yes / No Material No. Yes / No	Y N Y N	Yes / No Material No Yes / No Material No Yes / No	). ).	Yes / No Material N Yes / No Material N Yes / No Material N	lo.	Yes / No Material No Yes / No Material No Yes / No Material No		Priority :	2		4	5		
Development Plan	District Level Province Level Low Water Level	Yes / No Material No. Yes / No Material No. Yes / No Material No.	Y N Y N Y	Yes / No Material No Yes / No Material No Yes / No Material No	). ).	Yes / No Material N Yes / No Material N Yes / No Material N River Grad	lo.	Yes / No Material No Yes / No Material No Yes / No Material No		Priority :	2		4	5		
Development Plan	District Level	Yes / No Material No. Yes / No Material No. Yes / No Material No. Depth Depth	Y N Y N Y	Yes / No Material No Yes / No Material No Yes / No Material No No No No No No No No No No No No No N	). ). m	Yes / No Material N Yes / No Material N Yes / No Material N River Grad	o. o. dient (Estim	Yes / No Material No Yes / No Material No Yes / No Material No Material No		Priority :	2		4	5		
Development Plen	District Level Province Level Low Water Level Highest Flood	Yes / No Material No. Yes / No Material No. Yes / No Material No. Depth Depth Velocity	Y N Y N Y	Yes / No Material No Yes / No Material No Yes / No Material No Material No	). ). m	Yes / No Material N Yes / No Material N Yes / No Material N River Grad Year of th	io. io. fient (Estim	Yes / No Material No Yes / No Material No Yes / No Material No		Priority :	2		4	5		
Development Plan River	District Level Province Level Low Water Level Highest Flood	Yes / No Material No. Yes / No Material No. Yes / No Material No. Depth Depth Velocity No	Y N N N M M M R	Yes / No Material No Yes / No Material No Yes / No Material No No No No No No No No No No No No No N	). ). m	Yes / No Material N Yes / No Material N Yes / No Material N River Grad Year of th Rapid flow River Bed	io.  o.  dient (Estim ne Flood / Moderate Material	Yes / No Material No Yes / No Material No Yes / No Material No Material No		Priority :	2		4	5		
Development Plan River Condition	District Level Province Level Low Water Level Highest Flood Tidal effects Bridge Surface Elevation	Yes / No Material No. Yes / No Material No. Yes / No Material No. Depth Depth Velocity No	Y N Y N Y	Yes / No Material No Yes / No Material No Yes / No Material No No No No No No No No No No No No No N	). ). m	Yes / No Material N Yes / No Material N Yes / No Material N River Grad Year of th Rapid flow River Bed	io.  o.  dient (Estim ne Flood / Moderate Material	Yes / No Material No Yes / No Material No Yes / No Material No Material No		Priority :	2		4	5		
Development Plan River Condition	District Level Province Level Low Water Level Highest Flood Tidal effects Bridge Surface	Yes / No Material No. Yes / No Material No. Yes / No Material No. Depth Depth Velocity No	Y N N N M M M R	Yes / No Material No Yes / No Material No Yes / No Material No Material No River Width m/sec Height of	). m m River Bed	Yes / No Material N Yes / No Material N Yes / No Material N River Grad Year of th Rapid flow River Bed	io.  Jient (Estim ne Flood / Moderate Material	Yes / No Material No Yes / No Material No Yes / No Material No Material No		Priority :	2		4	5		
Development Plen River Condition	District Level  Province Level  Low Water Level  Highest Flood  Tidal effects  Bridge Surface Elevation  Navigation to be	Yes / No Material No. Yes / No Material No. Yes / No Material No. Depth Depth Velocity No m fro	W M M M M M M M M M M M M M M M M M M M	Yes / No Material No Yes / No Material No Yes / No Material No Material No River Width m/sec Height of	). m m River Bed	Yes / No Material N Yes / No Material N Yes / No Material N River Grad Year of th Rapid flow River Bed Fine Sand	io.  Jient (Estim ne Flood / Moderate Material	Yes / No Material No Yes / No Material No Yes / No Material No Material No		Priority :	2		4	5		
Development Plen River Condition	District Level  Province Level  Low Water Level  Highest Flood  Tidal effects  Bridge Surface Elevation  Navigation to be considered  Up Stream Side	Yes / No Material No. Yes / No Material No. Yes / No Material No. Depth Depth Velocity No m fro	V N N Y N N N N N N N N N N N N N N N N	Yes / No Material No Yes / No Material No Yes / No Material No Material No River Width m/sec Height of	). m m River Bed	Yes / No Material N Yes / No Material N Yes / No Material N River Grad Year of th Rapid flow River Bed Fine Sand	io.  Jient (Estim ne Flood / Moderate Material	Yes / No Material No Yes / No Material No Yes / No Material No Material No		Priority :	2		4	5		16
Development Plen River Condition	District Level  Province Level  Low Water Level  Highest Flood  Tidal effects  Bridge Surface Elevation  Navigation to be considered  Up Stream Side	Yes / No Material No. Yes / No Material No. Yes / No Material No. Depth Depth Velocity No m fro No Special Rema	V N N Y N N M R M R M R m R arks	Yes / No Material No Yes / No Material No Yes / No Material No Material No River Width m/sec Height of	). m m River Bed	Yes / No Material N Yes / No Material N Yes / No Material N River Grad Year of th Rapid flow River Bed Fine Sand	io.  Jient (Estim ne Flood / Moderate Material	Yes / No Material No Yes / No Material No Yes / No Material No Material No		Priority :	2		4 X	5	6	18
Development Plen River Condition	District Level  Province Level  Low Water Level  Highest Flood  Tidal effects  Bridge Surface Elevation  Navigation to be considered  Up Stream Side  Down Stream Side	Yes / No Material No. Yes / No Material No. Yes / No Material No. Depth Depth Velocity No m fro No Special Rema	W M M M M M M M M M M M M M M M M M M M	Yes / No Material No Yes / No Material No Yes / No Material No Material No River Width m/sec Height of	o.  M  River Bed  number and	Yes / No Material N Yes / No Material N Yes / No Material N River Grad Year of th Rapid flow River Bed Fine Sand	io.  io.  dient (Estim ne Flood  / Moderate Material .Sand hips:	Yes / No Material No Yes / No Material No Yes / No Material No Material No		Priority:  1 Reason of the pri	2	. 3	4 X X	5	6	18
Development Plan River Condition	District Level  Province Level  Low Water Level  Highest Flood  Tidal effects  Bridge Surface Elevation Navigation to be considered  Up Stream Side  Down Stream Side  Transportation of Steel Girder from the Provincial	Yes / No Material No. Yes / No Material No. Yes / No Material No. Depth Depth Velocity No m fro No Special Rema Transportatic Carrying Metl Road Conditit	W N N N N N N N N N N N N N N N N N N N	Yes / No Material No Yes / No Material No Yes / No Material No River Width Miver Width Mysec Height of	o.  M  River Bed  number and	Yes / No Material N Yes / No Material N Yes / No Material N River Grad Year of th Rapid flow River Bed Fine Sand	io.  io.  dient (Estim ne Flood  / Moderate Material .Sand hips:	Yes / No Material No Yes / No Material No Yes / No Material No Material No		Priority :	2	. 3	4 X X	5	6	
Development Plan River Condition	District Level  Province Level  Low Water Level  Highest Flood  Tidal effects  Bridge Surface Elevation Navigation to be considered  Up Stream Side  Down Stream Side  Transportation of Steel Girder from	Yes / No Material No. Yes / No Material No. Yes / No Material No. Depth Depth Velocity No m fro No Special Rema Transportatic Carrying Mett Road Condition	y N N N N N N N N N N N N N N N N N N N	Yes / No Material No Yes / No Material No Yes / No Material No River Width Miver n. River Bed number and	Yes / No Material N Yes / No Material N Yes / No Material N River Grad Year of th Rapid flow River Bed Fine Sand	io.  io.  dient (Estim ne Flood  / Moderate Material .Sand hips:	Yes / No Material No Yes / No Material No Yes / No Material No Material No	flow	Priority:  1 Reason of the pri	2	. 3	4 X X	5	6		
Development Plan River Condition	District Level  Province Level  Low Water Level  Highest Flood  Tidal effects  Bridge Surface Elevation Navigation to be considered  Up Stream Side  Down Stream Side  Transportation of Steel Girder from the Provincial	Yes / No Material No. Yes / No Material No. Yes / No Material No. Depth Depth Velocity No m fro No Special Rema Transportatic Carrying Metl Road Conditit	M N N N N N N N N N N N N N N N N N N N	Yes / No Material No Yes / No Material No Yes / No Material No Xiver Width Miver Priver Bed number and	Yes / No Material N Yes / No Material N Yes / No Material N River Grad Year of th Rapid flow River Bed Fine Sand d type of sh	io.  io.  dient (Estim ne Flood  / Moderate Material .Sand hips:	Yes / No Material No Yes / No Material No Yes / No Material No Material No		Priority:  1 Reason of the pri	2	. 3	4 X X	5	6		
River Condition	District Level  Province Level  Low Water Level  Highest Flood  Tidal effects  Bridge Surface Elevation  Navigation to be considered  Up Stream Side  Down Stream Side  Transportation of Steel Girder from the Provincial Capital	Yes / No Material No. Yes / No Material No. Yes / No Material No. Depth Depth Velocity No m fro No Special Rema Transportatic Carrying Mett Road Condition	W N N N N N N N N N N N N N N N N N N N	Yes / No Material No Yes / No Material No Yes / No Material No Xiver Width Miver n. River Bed number and	Yes / No Material N Yes / No Material N Yes / No Material N River Grad Year of th Rapid flow River Bed Fine Sand d type of sh	io.  io.  dient (Estim ne Flood  / Moderate Material .Sand hips:	Yes / No Material No Yes / No Material No Yes / No Material No Material No	flow	Priority:  1 Reason of the pri	2	. 3	4 X X	5	6		
Development Plan River Condition	District Level  Province Level  Low Water Level  Highest Flood  Tidal effects  Bridge Surface Elevation  Navigation to be considered  Up Stream Side  Down Stream Side  Transportation of Steel Girder from the Provincial Capital	Yes / No Material No. Yes / No Material No. Yes / No Material No. Depth Depth Velocity No m fro No Special Rema Transportatic Carrying Material Transportatic Any Bottlene	M N N N N N N N N N N N N N N N N N N N	Yes / No Material No Yes / No Material No Yes / No Material No Xiver Width Miver River Bed number and	Yes / No Material N Yes / No Material N Yes / No Material N River Grad Year of th Rapid flow River Bed Fine Sand d type of sh	io.  o.  dient (Estim re Flood / Moderate Material .Sand hips:	Yes / No Material No Yes / No Material No Yes / No Material No Material No	flow	Priority:  1 Reason of the pri	ority:	Other Addi	4 X X X X X X X X X X X X X X X X X X X	5	6 be Noted		
Development Plen  River Condition	District Level  Province Level  Low Water Level  Highest Flood  Tidal effects  Bridge Surface Elevation  Navigation to be considered  Up Stream Side  Down Stream Side  Transportation of Steel Girder from the Provincial  Capital	Yes / No Material No. Yes / No Material No. Yes / No Material No. Depth Depth Velocity No m fro No Special Rema Transportatic Carrying Mett Road Conditi Transportatic Any Bottlene Coffering for	W N N N N N N N N N N N N N N N N N N N	Yes / No Material No Yes / No Material No Yes / No Material No Yes / No Material No River Width m/sec Height of In Frailer Truc Suitable Insportation Earth Bank / No Need	River Bed number and	Yes / No Material N Yes / No Material N Yes / No Material N River Grad Year of th Rapid flow River Bed Fine Sand d type of st	io. o. dient (Estimate Flood / Moderate Material .Sand hips:	Yes / No Material No Yes / No Material No Yes / No Material No Material No	flow	Priority:  1 Reason of the pri	ority:	Other Addi	4 X X X X X X X X X X X X X X X X X X X	5	6 be Noted	
River Condition	District Level  Province Level  Low Water Level  Highest Flood  Tidal effects  Bridge Surface Elevation  Navigation to be considered  Up Stream Side  Down Stream Side  Transportation of Steel Girder from the Provincial  Capital	Yes / No Material No. Yes / No Material No. Yes / No Material No. Depth Depth Velocity No m fro No Special Rema Transportatic Carrying Material Transportatic Any Bottlene	W Average  m Average  m Route  chod Transchor Sonor So	Yes / No Material No Yes / No Material No Yes / No Material No Yes / No Material No River Width More Miver iver Width More More Miver Width More More More More More More More More	River Bed number and  ck with Sand (No water	Yes / No Material N Yes / No Material N Yes / No Material N River Grad Year of th Rapid flow River Bed Fine Sand d type of st	io. o. dient (Estimate Flood / Moderate Material .Sand hips:	Yes / No Material No Yes / No Material No Yes / No Material No ate)  efflow / Slow  (Yes / No)	flow	Priority:  1 Reason of the pri	ority:	Other Addi	4 X X X X X X X X X X X X X X X X X X X	5	6 be Noted	
River Condition	District Level  Province Level  Low Water Level  Highest Flood  Tidal effects  Bridge Surface Flevation  Navigation to be considered  Up Stream Side  Down Stream Side  Transportation of Steel Girder from the Provincial  Capital  Bridge Construction	Yes / No Material No. Yes / No Material No. Yes / No Material No. Depth Depth Velocity No m fro No Special Rema Transportatic Carrying Mett Road Conditi Transportatic Any Bottlene Coffering for	W Average  m Average  m Route  chod Transform Sonck for Transform Sonce	Yes / No Material No Yes / No Material No Yes / No Material No Yes / No Material No River Width More Miver iver Width More More Miver Width More More More More More More More More	River Bed number and ck with Sand (No water Bent and	Yes / No Material N Yes / No Material N Yes / No Material N River Grad Year of th Rapid flow River Bed Fine Sand d type of st	io.  io.  io.  dient (Estim ne Flood  / Moderate Material .Sand hips:	Yes / No Material No Yes / No Material No Yes / No Material No ate)  efflow / Slow  (Yes / No)	flow	Priority:  1 Reason of the pri	ority:	Other Addi	4 X X X X X X X X X X X X X X X X X X X	5	6 be Noted	
River Condition	District Level  Province Level  Low Water Level  Highest Flood  Tidal effects  Bridge Surface Flevation  Navigation to be considered  Up Stream Side  Down Stream Side  Transportation of Steel Girder from the Provincial  Capital  Bridge Construction	Yes / No Material No. Yes / No Material No. Yes / No Material No. Depth Depth Velocity No m fro  Special Rema Transportatic Carrying Mett Road Conditit Transportatic Any Bottlene Coffering for Steel Girder I	WY N N N N N N N N N N N N N N N N N N N	Yes / No Material No Yes / No Material No Yes / No Material No Xiver Width Miver River Bed number and ck with Sand (No water Bent and	Yes / No Material N Yes / No Material N Yes / No Material N River Grad Year of th Rapid flow River Bed Fine Sand d type of sh Bags in dry seas Truck Cran ials Erection	io.  io.  io.  dient (Estim ne Flood  / Moderate Material .Sand hips:	Yes / No Material No Yes / No Material No Yes / No Material No ate)  efflow / Slow  (Yes / No)	flow	Priority:  1 Reason of the pri	ority:	Other Addi	4 X X X X X X X X X X X X X X X X X X X	5	6 be Noted		
River Condition	District Level  Province Level  Low Water Level  Highest Flood  Tidal effects  Bridge Surface Elevation  Navigation to be considered  Up Stream Side  Down Stream Side  Transportation of Steel Girder from the Provincial Capital  Bridge Construction	Yes / No Material No. Yes / No Material No. Yes / No Material No. Depth Depth Velocity No m fro No Special Rema Transportatic Carrying Metl Road Conditi Transportatic Any Bottlene Coffering for Steel Girder I	WY N N N N N N N N N N N N N N N N N N N	Ves / No Material No Ves / No Material No Ves / No Material No River Width Miver River Bed number and (No water Bent and Other Species (15m)	Yes / No Material N Yes / No Material N Yes / No Material N River Grad Year of th Rapid flow River Bed Fine Sand d type of sh Bags in dry seas Truck Cran ials Erection	io.  io.  io.  dient (Estim ne Flood  / Moderate Material .Sand hips:	Yes / No Material No Yes / No Material No Yes / No Material No ate)  efflow / Slow  (Yes / No)	flow	Priority:  1 Reason of the pri	ority:	Other Addi	4 X X X X X X X X X X X X X X X X X X X	5	6 be Noted		

Date of Answer: March / /2006

Title	of	Respondent:

Bridge No.	No. 31	Bridge Nan	ne	Cau Trinh			Province !	Vame	Tuyen Quang			Ros	d Network	around the	Bridge (conceptional	map)	
	The R	oad on whic	ch the bridg	e exist			Nearest C	ity (with po	pulation ov	/er 20,000)	,						
Bridge Location	Road Name	e	Statio	on of the B	ridge	Na	me of the (	Dity	Distanc	ce From the Bridge	]						
	Chiem Hoa _ Lin	nh Phu		Km 8+00			Vinh Loc			8km							
	Bridge Length		73	m	Span		( m	+ m+	m+	m+ m)							
	Bridge Width		2.3	m	Carriage W	ay Width				2.3 m							
Present	Superstructure Type	Suspension	Bridge														
Condition of Bridge	Substructure Type	RC Colume	1		_	)					Ì						
	Present Condition (Eye Check)	Old															
	Necessity of Reconstruction	Yes Reason	n: Old suspe	nsion brid	ge can not	travel by loa	ading vehicl	e; Exchange	s of goods	can not be operated	•					)	
	Number of Days of Closed to Traffic	Vehicle / E	Bike etc. :		d	ays/year,	pedestria	n or Bicyck	•:	days/year							
			Informatio	n of Villag	es Beyond	the Bridge					Informati	ion of the I	Nearest Cit	y (with pop	ulation over 20,000)		
	Number of Village		5	villages	Name of R	egional Tow	/n	Soi Dung		Name of City		Vinh Loc	Chiem Hoa	Access Tir	ne from the Bridge	30	minutes
	Population	persons	Number of	Household		103	ouseholds	Population of City		7136	persons	Number of	Household	1701 x	useholds		
	Average Income			Ratio of Mi		75	%	Average Income		500.000 D	ong/month		ne from the main and the bridge site		minutes		
	Rate of School Attenda (Elementary School)	*	Rate of Sch High School	ool Attendar )	ice (Junior	90	%	Remarks					means of trip for the	By motorbik	e, bycicle		
	Number of Education	nal Facilitie			Junior High	School		0		Number of Education	al Facilities	•		Junior High	School	2	
Actual State of Social	Elementary School		1		High School			0		Elemental School		2		High School	ol	1	
	Number of Medical F	acilities			Emergency (middle size	e hospital)		0		Number of Medical F	acilities			Emergency (middle size		1	
	Clinic (small size hospital)		1		Hospital fo (large size	r Serious P hospital)	atients	0		Clinic (small size hospital)				Hospital fo (large size	r Serious Patients hospital)		
	Number of Daily Life	Facilities			Bank			0		Number of Daily Life	Facilities			Bank		1	
	Post Office				Market			0		Post Office		1		Market		1	
	Bus Stop				Public Offic (Town Hall	branch, etc	s.)	0		Bus Stop				Public Offic (Town Hall	branch, etc.)		
	Main Land Use	Rice Field,	sugar cane	farm						Detail of products ser year of each product)	nt to market : Rice, Maiz	s through t e, Sugar ca	he bridge lo ne: 500 ton	cation (Nar s/2,000,000	ne of the products, to d/year	al amount/pr	ice per
	Main Production	Agriculture,	Forestry														
	Road Class	District rao	d							Road Width: 6	Average R	oad Width	5.5	m,	Average Carriage Way	Width	3.5 m
}	Surface Type	Concrete /	Asphalt / E	Bitumen Se	el / Gravel	/ Soil / Ot	hers (	)		Actual Road Condition	Normal	···					
Present	Average Traffic Volume	Big E	Bus	Smal	l Bus	Passen	ger Car	Motor	Bike	Big Track	Small	Track	(drawn by		Bicycle and pedestrian	Воа	t
Condition of Access Road	(car/day)							300									
	Place of Bottleneck					thers (	)			Minimum Width			m	Traffic Cor	itrol Up to	t	one
	Remarks	Detail of bo	ttienecks in	the acces	ss roads:											,	
										<del></del>							

	T											
		Road Network Plan	Traffic Infrastructure	Master Plan	Other Infrastructure		Priority	of this brid	ge among	the propo	sed bridge	s in this province
	Village Level	Yes / No	Yes / No	Yes / No	Yes / No	Priority:						
Relevant		Material No.	Material No.	Material No.	Material No.		1	2	3	4	5	6
Development Plan	District Level	Yes / No	Yes / No	Yes / No	Yes / No				x			
	DISCHOOL ESVER	Material No.	Material No.	Material No.	Material No.	Reason of the	priority :					
	Province Level	Yes / No	Yes / No	Yes / No	Yes / No							
	1 TOVINCE CEVE	Material No.	Material No.	Material No.	Material No.							
	Low Water Level	Depth m	River Width m	River Gradient (Estim	ate)							
	Highest Flood	Depth m	River Width m	Year of the Flood								
	riignest riood	Velocity	m/sec	Rapid flow / Moderate	flow /Slow flow							
River	Tidal effects	No		River Bed Material								
	Bridge Surface Elevation	m from Averag	e Height of River Bed	Sand , Gravel								
	Navigation to be considered	No	m number an	d type of ships:								
	Up Stream Side	Special Remarks										
	Down Stream Side	Special Remarks										
		Transportation Route	~	~				Other	Additional	Informatio	on to be N	oted
	Transportation of Steel Girder from	Carrying Method	Trailer Truck			1. Current brid	ge meinter	nance budge	et and syst	ėm		
	the Provincial Capital	Road Condition for Transportation	Suitable									
		Any Bottleneck for Tra	ansportation (		)							
		Coffering for Piers	Earth Bank with Sand	Bags								
Bridge Construction	1	Contenting for Fiers	/ No Need (No water	in dry season)		2 Current and	expected :	projects by	other done	ors (WB, A	DB, JBIC	etc.)
		Steel Girder Erection	Suitable for Bent and	Truck Crane Method	Yes							
	Bridge Construction	Steel Gilder Erection	Required Other Speci	als Erection Methods	( )							
		Foundation Type	RC Pile (L < 15m)									
		(Assumption)	/ Special Foundation (		)							
		Expected Work Hinder	No									
Remark												

Bridge No. No. 32

Bridge Name Na Nham

# QUESTIONNAIRE ON REQUESTED BRIDGES

Date of Answer: March /

Road Network around the Bridge (conceptional map)

/2006

Name o	f Respon	dent	:		

		COBO ON WINCH					pulation of		' '				
Bridge Location	Road Nam	e	Station of the f	Bridge	Name of	f the City	Distanc	ce From the Bridge	1				
	PR 188		Km 3+00	~	Vini	h Loc		3km	ĺ				
				I_	1.				1				
	Bridge Length		m	Span	(	m+ m+	- m+	m+ m)					
	Bridge Width		m	Carriage V	ay Width			m					
	Superstructure	No bridge		•					1				
Present Condition of	Type Substructure Type	RC Column /	/ RC Pile / Wooden	Pile / Mace	nnı / Nila / Oth			)	1				
Bridge	Present Condition	<b>-</b>											
	(Eye Check)	Good / Old /	/ Weak / Non Seriou	s Damage /	Serious Damago	e / Flow Out / Ot	her (	)	l				
İ	Necessity of Reconstruction	Yes Reason:	To serve the travel	ling of the le	ocal people; To s	ocio-economic de	velopment	in region.				)	
	Number of Days of	Vehicle / Bik	ke etc.: 365	days/year	r, pedestrian	or Bicycle : 36	 5	days/year	1				
	Closed to Traffic	L				ar Bioyaic .		Caya, year	L			· · · · · · · · ·	
	ļ		Information of Villa			· ·			Informati	on of the Nearest (	ity (with popu	dation over 20,000)	
	Number of Village		5 villages	Name of R	egional Town	Na Thoi		Name of City		Vinh Loc	Access Tim	e from the Bridge	15 minute:
	Population		1699 persons	Number of	Household	81	ouseholds	Population of City		7136 perso	ns Number of I	lousehold	1701 rouseholds
	Average Income	3	00.000 Dong/month	Population	Ratio of Minority	y 85	*	Average Income		500.000 Dong/mon	Access Tim	e from the main	minute
	Rate of School Attend				ool Attendance (J	unior		_			village beyo	nd the bridge site means of trip for the	l
	(Elementary School)		100	High Schoo		80	*	Remarks		W.A	residents)		Bycicle
	Number of Education	nal Facilities		Junior Hig	h School	0		Number of Education	al Facilities	•	Junior High	School	2
	Elementary School		1	High Scho	ol	0		Elemental School		2	High School		1
of Social Economic	Number of Medical	Facilities		Emergency		0		Number of Medical F	acilitias		Emergency	Hospital	
	Clinic				e hospital) r Serious Patien	te		Clinic			(middle size	hospital) Serious Patients	1
	(small size hospital)		1	(large size		0		(small size hospital)			(large size h		
	Number of Daily Life	s Facilities		Bank		0		Number of Daily Life	Facilities		Bank		1
	Post Office			Market		0		Post Office		1	Market		1
	Bus Stop			Public Offi				Bus Stop			Public Offic	es	
		<del></del>		(Town Hall	branch, etc.)	U		Detail of products ser	nt to market	a Abassah ah - baida-	(Town Hall t	oranch, etc.)	1
	Main Land Use	Rice Field, F	orest					year of each product)	Rice, Maiz	e, Manioc: 400 tons/	2,000,000d/ye	e of the products, to: ar	al amount/price per
	Main Production	Agriculture, F	Forestry, Fishily										
	Road Class	District road	and inter-communa	ter-communal road				Road Width: 5	Average Ro	oad Width 4	5 m.	Average Carriage Way	Width
	Surface Type	Soil						Actual Road	Bad				
	Average Traffic	<b></b>						Condition			Cart	Bicycle and	
Present	Volume	Big Bu	JS Sma	II Bus	Passenger C	ar Motor	Bike	Big Track	Small		by animals)	pedestrian	Boat
Condition of Access Road	(car/day)					300							60
	Place of Bottleneck	Bridge / Tuni	nel / Narrow Width	Section / C	thers ( )			Minimum Width		m	Traffic Cont	trol Up to	tone
		Detail of bott	tlenecks in the acce	ss roads:					L		<u> </u>		
	Remarks	İ											
L		l	<del></del>								_	<del></del>	
		Road Netwo	ork Plan Traffic Inf	rastructure	Master Plai	n Other Infra	structure		Priority of t	his bridge among th	a proposed br	idges in this provinc	
		Yes / No	<del></del>										
	Village Level	Tes / No	Yes / No		Yes / No	Yes / No		Priority;					
Relevant		Material No.	Material N	D	Material No.	Material No		1	2	3	4 5	6	
Development		Yes / No	Yes / No		Yes / No	Yes / No			х				
)-( <b>18</b> .17	District Level	Material No.	Material N	0.	Material No.	Material No							
		Yes / No	Yes / No			Material No		Reason of the pri	ority :				
	Province Level	l	Tes / No		V / N-			Reason of the pri	ority :				
		Material No.			Yes / No	Yes / No		Reason of the pri	ority ;				
	Low Water Level		Material N	D.	Yes / No Material No.			Reason of the pri	ority ;				
		Depth	Material N m River Width			Yes / No Material No		Reason of the pri	ority ;				
		<u> </u>		m	Material No.	Yes / No Material No Estimate)		Reason of the pri	ority :				
	Highest Flood	Depth	m River Width	m	Material No. River Gradient (	Yes / No Material No Estimate)		Reason of the pri	ority :				
		Depth Velocity	m River Width	m	Material No. River Gradient (	Yes / No Material No Estimate)		Reason of the pri	ority :				
River	Tidal effects	Depth	m River Width	m	Material No. River Gradient (	Yes / No Material No Estimate)  od derate flow / Slow		Reason of the pri	ority :				
Condition	Tidal effects Bridge Surface	Depth Velocity No	m River Width	m	Material No.  River Gradient (I  Year of the Floo  Rapid flow / Mol  River Bed Mater	Yes / No Material No Estimate)  od derate flow / Slow		Reason of the pri	ority :				
Condition	Tidal effects Bridge Surface Elevation Navigation to be	Depth Velocity No	m River Width m River Width m/sec	m m	Material No.  River Gradient (I  Year of the Floo  Rapid flow / Mol  River Bed Mater	Yes / No Material No Estimate)  od derate flow / Slow		Reason of the pri	ority :				
Condition	Tidal effects Bridge Surface Elevation Navigation to be considered	Depth Velocity No m from	m River Width m River Width m/sec m Average Height of	m m	Material No.  River Gradient ( Year of the Floo Rapid flow / Moi River Bed Mater Fine Sand	Yes / No Material No Estimate)  od derate flow / Slow		Reason of the pri	ority :				
Gondition	Tidal effects Bridge Surface Elevation Navigation to be considered Up Stream Side	Depth Velocity No m from Yes Special Rema	m River Width m River Width m/sec m Average Height of m	m m	Material No.  River Gradient ( Year of the Floo Rapid flow / Moi River Bed Mater Fine Sand	Yes / No Material No Estimate)  od derate flow / Slow		Reason of the pri	ority:				
Gondition	Tidal effects Bridge Surface Elevation Navigation to be considered	Depth Velocity No m from	m River Width m River Width m/sec m Average Height of m	m m	Material No.  River Gradient ( Year of the Floo Rapid flow / Moi River Bed Mater Fine Sand	Yes / No Material No Estimate)  od derate flow / Slow		Reason of the pri	ority:				
Gondition	Tidal effects Bridge Surface Elevation Navigation to be considered Up Stream Side	Depth Velocity No m from Yes Special Rema	m River Width m River Width m/sec m Average Height of m arks	m m	Material No.  River Gradient ( Year of the Floo Rapid flow / Moi River Bed Mater Fine Sand	Yes / No Material No Estimate)  od derate flow / Slow ial		Reason of the pri	ority:	Other Additional Is	formation to t	e Noted	
Condition	Tidal effects Bridge Surface Elevation Navigation to be considered Up Stream Side Down Stream Side	Depth Velocity No m from Yes Special Rema	m River Width m River Width m/sec m Average Height of m arks arks on Route	m m River Bed number and	Material No. River Gradient (I Year of the Flor Rapid flow / Moi River Bed Mater Fine Sand d type of ships:	Yes / No Material No Estimate)  od derate flow / Slow ial						se Noted	
Condition	Tidal effects Bridge Surface Elevation Navigation to be considered Up Stream Side Down Stream Side Transportation of Steel Girder from the Provincial	Depth Velocity No m fror Yes Special Rema Special Rema Transportatio Carrying Metr Road Conditio	m River Width m River Width m/sec m Average Height of m arks on Route had Trailer Tru	m m River Bed number and	Material No. River Gradient (I Year of the Flor Rapid flow / Mor River Bed Mater Fine Sand d type of ships:	Yes / No Material No Estimate)  od  derate flow / Slow ial	flow			Other Additional Ir		se Noted	
Condition	Tidal effects Bridge Surface Elevation Navigation to be considered Up Stream Side Down Stream Side Transportation of Steel Girder from	Depth Velocity No m from Yes Special Rema Special Rema Transportatio Carrying Mett Road Condition Transportatio	m River Width m River Width m/sec m Average Height of m arks on Route had Trailer Tru on for Suitable /	River Bed number and	Material No. River Gradient (I Year of the Flor Rapid flow / Mor River Bed Mater Fine Sand d type of ships:	Yes / No Material No Estimate)  od derate flow / Slow ial	flow					se Noted	
Condition	Tidal effects Bridge Surface Elevation Navigation to be considered Up Stream Side Down Stream Side Transportation of Steel Girder from the Provincial	Depth Velocity No m from Yes Special Rema Special Rema Transportatio Carrying Mett Road Condition Transportatio	m River Width m River Width m/sec m Average Height of m arks on Route had Trailer Tru	River Bed number and	Material No. River Gradient (I Year of the Flor Rapid flow / Mor River Bed Mater Fine Sand d type of ships:	Yes / No Material No Estimate)  od  derate flow / Slow ial	flow					se Noted	
Condition	Tidal effects Bridge Surface Elevation Navigation to be considered Up Stream Side Down Stream Side Transportation of Steel Girder from the Provincial	Depth Velocity No m fror Yes Special Rema Special Rema Transportatio Carrying Meth Road Conditic Transportatio Any Bottleneed	m River Width m River Width m/sec m Average Height of m arks on Route hod Trailer Tru on for Suitable / ck for Transportatio	m  River Bed number and  ck Possible / fi	Material No. River Gradient ( Year of the Floo Rapid flow / Mor River Bed Mater Fine Sand d type of ships:	Yes / No Material No Estimate)  od  derate flow / Slow ial	flow					se Noted	
Condition  Bridge	Tidal effects Bridge Surface Elevation Navigation to be considered Up Stream Side Down Stream Side Transportation of Steel Girder from the Provincial	Depth Velocity No m from Yes Special Rema Special Rema Transportatio Carrying Mett Road Condition Transportatio	m River Width m River Width m/sec m Average Height of m arks on Route hod Trailer Tru on for Suitable / ock for Transportatio	m m m T River Bed number and c c c k Possible / f n ( / Earth Bar	Material No. River Gradient ( Year of the Floo Rapid flow / Mor River Bed Mater Fine Sand d type of ships:	Yes / No Material No Estimate) od derate flow / Slow ial	flow	1. Gurrent bridge	maintenanc	e budget and syste	n		
Condition	Tidal effects Bridge Surface Elevation Navigation to be considered Up Stream Side Down Stream Side Transportation of Steel Girder from the Provincial	Depth Velocity No m fror Yes Special Rema Special Rema Transportatio Carrying Meth Road Conditic Transportatio Any Bottleneed	m River Width m River Width m/sec m Average Height of m arks on Route hod Trailer Tru on for Suitable / ock for Transportatio / No Nees	m m River Bed number and ck Possible / I n ( / Earth Bar	Material No. River Gradient ( Year of the Floo Rapid flow / Mor River Bed Mater Fine Sand d type of ships:  Possible with small nk with Sand Bag in dry season)	Yes / No Material No Estimate)  od  derate flow / Slow ial  all Repair / Impos	flow	1. Gurrent bridge	maintenanc		n		
Condition  Bridge Construction	Tidal effects Bridge Surface Elevation Navigation to be considered Up Stream Side Down Stream Side Transportation of Steel Girder from the Provincial Capital	Depth Velocity No m fror Yes Special Rema Special Rema Transportatio Carrying Meth Road Conditic Transportatio Any Bottleneed	m River Width m River Width m/sec m Average Height of m arks on Route had Trailer Tru on for Suitable / ck for Transportatio / No Neer	m m  F River Bed number and ck  Possible / If n ( / Earth Bai	Material No. River Gradient (I Year of the Floo Rapid flow / Mor River Bed Mater Fine Sand I type of ships:  Possible with sma River Bed Mater Fine Sand I type of ships:  Truck Grane Met	Yes / No Material No Estimate)  od  derate flow / Slow ial  sil Repair / Impos  ss / River Diversio  chod ( Yes / No )	flow	1. Gurrent bridge	maintenanc	e budget and syste	n		
Condition  Bridge Construction	Tidal effects Bridge Surface Elevation Navigation to be considered Up Stream Side Down Stream Side Transportation of Steel Girder from the Provincial	Depth Velocity No m fror Yes Special Rema Special Rema Transportatio Carrying Mett Road Condition Transportatio Any Bottlener Coffering for I	m River Width m River Width m/sec m Average Height of m arks on Route had Trailer Tru on for Suitable / ck for Transportatio / No Neer	m m  F River Bed number and ck  Possible / If n ( / Earth Bai	Material No. River Gradient ( Year of the Floo Rapid flow / Mor River Bed Mater Fine Sand d type of ships:  Possible with small nk with Sand Bag in dry season)	Yes / No Material No Estimate)  od  derate flow / Slow ial  sil Repair / Impos  ss / River Diversio  chod ( Yes / No )	flow	1. Gurrent bridge	maintenanc	e budget and syste	n		
Condition  Bridge Construction	Tidal effects Bridge Surface Elevation Navigation to be considered Up Stream Side Down Stream Side Transportation of Steel Girder from the Provincial Capital	Depth Velocity No m fror Yes Special Rema Special Rema Transportatio Carrying Mett Road Condition Transportatio Any Bottlener Coffering for I	m River Width m River Width m /sec  m Average Height of m arks on Route hod Trailer Tru on for Suitable / ck for Transportatio / No Nees Erection Required to	m m f River Bed number and ck Possible / I f ( / Earth Bar f (No water r Bent and	Material No. River Gradient ( Year of the Floo Rapid flow / Mor River Bed Mater Fine Sand d type of ships:  Possible with small with Sand Bag in dry season) Truck Crane Met als Erection Met	Yes / No Material No Estimate)  od  derate flow / Slow ial  sil Repair / Impos  ss / River Diversio  chod ( Yes / No )	flow sible )	1. Gurrent bridge	maintenanc	e budget and syste	n		
Condition  Bridge Construction	Tidal effects Bridge Surface Elevation Navigation to be considered Up Stream Side Down Stream Side Transportation of Steel Girder from the Provincial Capital	Depth Velocity No m fror Yes Special Rema Special Rema Transportatio Carrying Mett Transportatio Any Bottlenee Coffering for I	m River Width m River Width m/sec m Average Height of m arks on Route had Trailer Tru on for Suitable / ck for Transportatio / No Nee / No Nee Erection Required of	m m f River Bed number and ck Possible / I f ( / Earth Bar f (No water r Bent and	Material No. River Gradient ( Year of the Floo Rapid flow / Mor River Bed Mater Fine Sand d type of ships:  Possible with small with Sand Bag in dry season) Truck Crane Met als Erection Met CC Pile (L < 15m)	Yes / No Material No Estimate)  od  derate flow / Slow fial  sell Repair / Impose gs / River Diversion  thod ( Yes / No )  hods (	flow sible )	1. Gurrent bridge	maintenanc	e budget and syste	n		
Condition  Bridge Construction	Tidal effects Bridge Surface Elevation Navigation to be considered Up Stream Side Down Stream Side Transportation of Steel Girder from the Provincial Capital	Depth Velocity No m fror Yes Special Rema Special Rema Transportatio Carrying Meth Road Conditic Transportatio Any Bottlened Coffering for I Steel Girder E Foundation Ty (Assumption) Expected Wor	m River Width m River Width m Siver Width m /sec  m Average Height of m arks on Route had Trailer Tru on for Suitable / ck for Transportatio / No Neet Frection Required of / Special F	m m  Filter Bed number and ck  Rossible / If a children is a children is a children is a children in the child	Material No. River Gradient ( Year of the Floo Rapid flow / Mor River Bed Mater Fine Sand d type of ships:  Possible with small with Sand Bag in dry season) Truck Crane Met als Erection Met CC Pile (L < 15m)	Yes / No Material No Estimate)  od  derate flow / Slow fial  sell Repair / Impose gs / River Diversion  thod ( Yes / No )  hods (	flow sible ) on )	1. Gurrent bridge	maintenanc	e budget and syste	n		
Condition  Bridge Construction	Tidal effects Bridge Surface Elevation Navigation to be considered Up Stream Side Down Stream Side Transportation of Steel Girder from the Provincial Capital	Depth Velocity No m fror Yes Special Rema Special Rema Transportatio Carrying Meth Road Conditio Transportatio Any Bottlenee Coffering for I Steel Girder E Foundation T, (Assumption)	m River Width m River Width m River Width m /sec m Average Height of m  arks  arks on Route hod Trailer Tru con for Suitable / ck for Transportatio Fiers / No Nees Erection Required t ype Spread For / Special For	m m  Filter Bed number and ck  Rossible / If a children is a children is a children is a children in the child	Material No. River Gradient ( Year of the Floo Rapid flow / Mor River Bed Mater Fine Sand d type of ships:  Possible with small with Sand Bag in dry season) Truck Crane Met als Erection Met CC Pile (L < 15m)	Yes / No Material No Estimate)  od  derate flow / Slow fial  sell Repair / Impose gs / River Diversion  thod ( Yes / No )  hods (	flow sible ) on )	1. Gurrent bridge	maintenanc	e budget and syste	n		

Date of Answer: March / 8 /2006

Name of	Respondent:
---------	-------------

Title of Respondent:

Bridge No.	No. 33	Bridge Nan	ne S	òung			Province N		Tuyen Quang			Road N	etwork s	round the	Bridge (co	nceptional	map)	
	The R	oed on whic	ch the bridge	e exist			Negrest C	ity (with po	pulation ov	er 20,000)	,							
Bridge Location	Road Name	Ð	Statio	n of the B	ridge	Na	me of the C	City	Distanc	e From the Bridge								
	Inter-communa	l road	ŀ	(m 3+500			Son Duong			50km								
	Bridge Length			m	Span		( m	+ m+	m+	m+ m)								
	Bridge Width			m	Carriage W	ay Width				m								
Present	Superstructure Type	No bridge					,			11 10 AGAIN								
Condition of Bridge	Substructure Type	Masonry s	tone abutme	ent														
	Present Condition (Eye Check)	Flow Out																
	Necessity of Reconstruction	Yes / No	Reason	1 (						)								
	Number of Days of Closed to Traffic	Vehicle / B	Bike etc. :	365		days/yea	ır, pedes	strian or Bio	ycle: 6	0 days/yea	r							
			Information	of Villeg	es Beyond	the Bridge					Information of the Nearest City (with po			(with por	pulation ov	er 20,000)		
	Number of Village		6	villages	Name of R	egional Tow	vn .	Sung Le		Name of City		Son Duong		Access Ti	me from the	e Bridge	75	minutes
	Population		2055	persons	Number of	Household		80	ouseholds	Population of City		12951	persons	Number of	Household	l	3148	nouseholds
	Average Income		300.000 Do					80	%	Average Income		500.000 Don	g/ montn	village bey	me from the ond the bri	dge site		minutes
	Rate of School Attenda (Elementary School)	ince		*	Rate of Sch High School		nce (Junier	85	%	Remarks	*····			(by genera residents)		trip for the	By motorb	ike, bycicle
	Number of Education	nal Facilitie	9		Junior High	School		0		Number of Education	al Facilities	9 .		Junior Hig	h School		2	!
Actual State of Social	Elementary School				High School			0		Elemental School		3		High Scho			1	
Economic	Number of Medical F	acilities			Emergency (middle size	e hospital)		0		Number of Medical F	acilities				e hospital)			
	Clinic (small size hospital)				(large size	r Serious P hospital)	atients	0		Clinic (small size hospital)				Hospital fo	or Serious F hospital)	Patients		
	Number of Daily Life	Facilities			Bank			0		Number of Daily Life	Facilities	·		Bank				
	Post Office				Market Public Offic			0		Post Office		1		Market			1	
	Bus Stop	l				branch, etc	c.)	0		Bus Stop					l branch, et			
	Main Land Use	Rice Field					L			Detail of products ser year of each product)	t to market Rice, Maiz	ts through the se, Manioc: 500	bridge id tons/2,	cation (Na 000,000d/y	me of the p rear	roducts, tot	al amount/	price per
	Main Production	Agriculture	/ Forestry	/ Industry	/ Commerc	ce / Fishily	/ Others (		)			-			,			
	Road Class	District roa	ad							Road Width: 5 Actual Road	Average R	load Width	4.5	m,	Average C	arriage Way	Width	3.5 m
	Surface Type	Gravel								Condition Condition	Normal							
Present	Average Traffic Volume	Big	Bus	Smal	l Bus	Passen	ger Car	Motor	Bike	Big Track	Small	Track	Ca drawn by	animals)		ele and estrian	В	oat
Condition of Access Road	(car/day)							380								,		
	Place of Bottleneck	th Section / Others ( ) M				Minimum Width	L	m		Traffic Co	ntrol	Up to		tone				
	Remarks	Datail of DC	JEGENEURS IN	THE STORE	os rudus.													

		Road Network Plan	Traffic Infrastructure	Master Plan	Other Infrastructure		Drianitu	of this he	dge among	Aba avera	الدائمة الممد	(			_
							Priority	or uns on	nto ening	me brobo	seu priag	es in this	province		
	Village Level	Yes / No	Yes / No	Yes / No	Yes / No	Priority:									
Refevant		Material No.	Material No.	Material No.	Material No.		1	2	3	4	5	6			
Development Plan	District Level	Yes / No	Yes / No	Yes / No	Yes / No		х								
	District Cover	Material No.	Material No.	Material No.	Material No.	Reason of the p	riority :								
	Province Level	Yes / No	Yes / No	Yes / No	Yes / No	Old bridge was flew s socio-economic dev	out in 20 reiopment	01, at pres t in region.	ent due to i	no bridge h	as been e	effected t	o travelling	of local people	and
		Material No.	Material No.	Material No.	Material No.										
	Low Water Level	Depth m	River Width m	River Gradient (Estim	ate)										
	Highest Flood	Depth m	River Width m	Year of the Flood											
	riignest riood	Velocity	m/sec	Rapid flow / Moderate	e flow /Slow flow										
River	Tidal effects	No		River Bed Material											
	Bridge Surface Elevation	m from Averag	e Height of River Bed	Silt / Fine Sand / Sar Rock	nd / Gravel /Boulder /										
	Navigation to be considered	No	m number an	d type of ships:											
	Up Stream Side	Special Remarks													
	Down Stream Side	Special Remarks													
		Transportation Route	~	~				Othe	r Additiona	Informati	on to be	Noted	•		
i	Transportation of Steel Girder from	Carrying Method	Trailer Truck			1. Current bridg	e mainte	nance bud	get and sys	tem					
	the Provincial Capital	Road Condition for Transportation	Suitable												
		Any Bottleneck for Tr	ansportation (		)	1									
İ		0.55	Earth Bank with Sand	i Bags											
Bridge Construction		Coffering for Piers	/ No Need (No water	in dry season)		2 Current and e	xpected	projects b	v other don	ors (WB. /	ADB. JBIG	C, etc.)			
		Steel Girder Erection	Suitable for Bent and	Truck Crane Method	(Yes / No)										
	Bridge Construction	Steel Gilder Liection	Required Other Spec	ials Erection Methods	( )										
		Foundation Type	RC Pile (L < 15m)												
		(Assumption)	/ Special Foundation	(	)										
		Expected Work Hinder	No												
Remark															

Gravel

nter-communcal road

Big Bus

Place of Bottleneck Bridge / Tunnel / Narrow Width Section / Others (

Detail of bottlenecks in the access roads:

Small Bus

Passenger Car

Road Class

Surface Type

Average Traffic Volume

Present Condition of Access Road

#### QUESTIONNAIRE ON REQUESTED BRIDGES

Date of Answer: March /

/2006

Name of Respondent: Title of Respondent:

Bridge No.	No. 34	Bridge Na	ne. i	Ngoi Lien		Province	Neme	Tuyen Quang				Road Network	around the Bridge (conceptional	map)
	The F	load on whi	ch the bridg	e exist		Nearest (	City (with p	opulation o	ver 20,000)		,			
Bridge Location	Road Nam	e	Statio	on of the B	ridge	Name of the	City	Distan	e From the B	ridge				
				~							l			
İ	Bridge Length		18	m	Span	( n	n+ m	+ m+	m+	m)				
	Bridge Width		1.5	m	Carriage Way	Width			1.5	m				
Present	Superstructure Type	Wooden B	ridge											
Condition of Bridge	Substructure Type	Nile												
Diricigo	Present Condition (Eye Check)	Weak												
	Necessity of Reconstruction	Yes Reaso	n: To serve t	the travell	ing of the loca	I people; To socio-	economic d	evelopment			•		)	
	Number of Days of Closed to Traffic	Vehicle / t	3ike etc. : 6	0 da	ys/year, pe	edestrian or Bicycle	e: 60	day	rs/year					
			Information	n of Villag	es Beyond the	e Bridge					Informat	ion of the Nearest Cit	y (with population over 20,000)	
	Number of Village		7	villages	Name of Regi	ional Town	Dong Ninh		Name of City			Son Dung	Access Time from the Bridge	45 minutes
	Population		1563	persons	Number of Ho	ousehold	124	ouseholds	Population of	City		12951 persons	Number of Household	3148 rouseholds
	Average Income		300.000 Do	ng/month	Population Ra	atio of Minority	60	· ×	Average Incor	me		500.000 Dong/month	Access Time from the main village beyond the bridge site	minutes
	Rate of School Attend (Elementary School)	ance	100	×	Rate of School High School)	Attendance (Junior	80	*	Remarks				(by general means of trip for the	By motorbike, bycicle
	Number of Education	nal Facilitie	<b></b>		Junior High S	ichool	d	)	Number of Ec	fucation	al Facilities	•	Junior High School	2
Actual State of Social	Elementary School		1		High School		q	1	Elemental Sch	loor		3	High School	1
Economic	Number of Medical	Facilities			Emergency H (middle size h		0	)	Number of M	edical Fo	scilities		Emergency Hospital (middle size hospital)	
ŀ	Clinic (small size hospital)		1		Hospital for S (large size ho	ierious Patients spital)	0	)	Clinic (small size ho	spital)			Hospital for Serious Patients (large size hospital)	
ŀ	Number of Daily Life	Facilities			Bank		0		Number of Da	sily Life	Facilities	-	Bank	1
	Post Office				Market		0		Post Office			1	Market	1
					Public Offices (Town Hall br	Public Offices Town Hall branch, etc.)			Bus Stop				Public Offices (Town Hall branch, etc.)	
-	Main Land Use Rice Field , Forest								Detail of prod year of each p	ucts sen product):	t to market Rice, Maiz	ts through the bridge to e. Sugar cane: 200 ton	ocation (Name of the products, to s/year	al amount/price per

Road Width: 5

Actual Road Condition

Minimum Width

Motor Bike

200

Average Road Width

Small Track

4.5

Cart (drawn by animals)

Traffic Control

m. Average Carriage Way Width

Bicycle and pedestrian

Up to

3.5 m

Boat

tone

River Condition  River River Condition  River River Condition  River River Condition  River	L	1					
Material No.   Mate			Road Network Plan	Traffic Infrastructure	Master Plan	Other Infrastructure	Priority of this bridge among the proposed bridges in this province
Relationate   Development   Park   Material No.		Village Level	Yes / No	Yes / No	Yes / No	Yes / No	Priority :
	Delevent	vinage Cever	Material No.	Material No.	Material No.	Material No.	1 2 3 4 5 6
Material No. Material No. Material No. Material No. Material No. Province Level Yes / No Yes / No Yes / No Yes / No Yes / No Yes / No Material No. M	Development	District Lovel	Yes / No	Yes / No	Yes / No	Yes / No	x
Province Level   Material No.   Material No.   Material No.   Material No.   Material No.   Material No.   Material No.   Material No.		District Level	Material No.	Material No.	Material No.	Material No.	Reason of the priority:
Low Water Level   Depth		Province Level	Yes / No	Yes / No	Yes / No	Yes / No	
Highest Flood  Flight Strong  Floor Stream Side  Depth m River Width m Vear of the Flood  Valocity m/sec Rapid flow / Moderate flow / Slow flow  Floor Stream Side Power of the Flood  No m number and type of ships:  Down Stream Side  Down Stream Side  Down Stream Side  Fransportation of Steel Girder from the Provincial Capital  Fransportation of Steel Girder from the Provincial Capital  Floor Stream Side  Fransportation of Steel Girder from the Provincial Capital  Floor Steel Girder from the Provincial Capital  Floor Steel Girder from the Provincial Capital  Floor Steel Girder from the Provincial Capital  Floor Steel Girder from the Provincial Capital  Floor Steel Girder from the Provincial Capital  Floor Steel Girder from the Provincial Capital  Floor Steel Girder From the Steel Girder from the Provincial Capital  Floor Steel Girder From the Steel Girder From the Provincial Capital  Floor Steel Girder From the Flood  Floor Steel Girder From the Flood Material  Floor Steel Girder From the Floor Steel Girder From the Floor Steel Girder From the Floor Steel Girder From the Floor Steel Girder From the Floor Steel Girder From the Floor Steel Girder From the Floor Steel Girder From the Floor Steel Girder From the Floor Steel Girder From the Floor Steel Girder From the Floor Steel Girder From the Floor Steel Girder From the Floor Steel Girder From the Floor Steel Girder From the Floor Steel Girder From the Floor Steel Girder From the Floor Steel Girder From the Floor Steel Girder From the Floor Steel Girder From Methods ( )  Foundation Type RC Pile (L (15m)  Foundation Type RC Pile (L (15m)  Foundation Type RC Pile (L (15m)  Floor Steel Girder From Floor Steel Floor Methods ( )  Foundation Type RC Pile (L (15m)  Floor Steel Girder From Floor Steel Girder Floor Steel Girder Floor Steel Girder Floor Steel Girder Floor Steel Girder Floor Steel Girder Floor Steel Girder Floor Steel Girder Floor Steel Girder Floor Steel Girder Floor Steel Girder Floor Steel Girder Floor Steel Girder Floor Steel Girder Floor Steel Girder Fl		7 101/1100 20101	Material No.	Material No.	Material No.	Material No.	
Highest Flood  Velocity m/sec Rapid flow / Moderate flow / Slow flow  Tidal effects No River Bed Material  Bridge Surface Elevation  Promodulation of Steel Girder from the Provincial Capital  Any Bottleneck for Transportation (  Any Bottleneck for Transportation (  Any Bottleneck for Transportation (  Suitable  Construction  Bridge Constructio		Low Water Level	Depth m	River Width m	River Gradient (Estima	ate)	
River Gondition Particle River Surface Elevation of Transportation of Steel Girder From the Provincial Capital  Bridge Construction Bridge Construction  Bridge Construction  Bridge Construction  Bridge Construction  Bridge Construction  Bridge Construction  Bridge Construction  Velocity m/sec Rapid flow / Moderate flow / Slow flow flow / Moderate flow / Slow flow flow / Moderate flow / Slow flow flow / Moderate flow / Slow flow flow / Moderate flow / Slow flow flow / Moderate flow / Slow flow flow / Moderate flow / Slow flow flow / Moderate flow / Slow flow flow / Moderate flow / Moderat		Highest Flood	Depth m	River Width m	Year of the Flood		
Bridge Construction   Bridge Construction   Bridge Construction   Bridge Construction   Bridge Construction   Bridge Construction   Bridge Construction   Bridge Construction   Casumptio		Tilgriest 1 lood	Velocity	m/sec	Rapid flow / Moderate	e flow /Slow flow	
Elevation m from Average Height of River Bod Sist  Navigation to be considered  Up Stream Side   Special Remarks    Down Stream Side   Special Remarks    Transportation of Steel Girder from the Provincial Capital   Transportation for Transportation for Steel Girder From the Provincial Capital    Bridge Construction   Bridge Construction    Bridge Construction   Bridge Construction    Bridge Construction   Foundation Type   RC Pile (L ( 15m)    (Assumption)   / Special Foundation ( )    Expected Work   Hinder   No		Tidal effects	No		River Bed Material		
considered No mulmber and type of ships:  Up Stream Side Special Remarks  Down Stream Side Special Remarks  Transportation Route ~ ~ Other Additional Information to be Noted  Carrying Method Road Condition for Transportation ( )  Any Bottleneck for Transportation ( )  Bridge Construction  Bridge Construction  Bridge Construction  Bridge Construction  Are Construction  Bridge Construction  Carrying Method Trailer Truck	Condition		m from Averag	ge Height of River Bed	Silt		
Down Stream Side    Special Remarks   Special Remarks   Special Remarks   Transportation of Steel Girder from the Provincial Capital   Transportation of Trailer Truck   Suitable   Transportation of Transportation of Transportation of Transportation of Transportation of Transportation of Transportation of Transportation   Trailer Truck   Transportation of Transportation   Trailer Truck   Transportation   Trailer Truck   Transportation   Trailer Truck   Transportation   Trailer Truck   Transportation   Trailer Truck   Transportation   Trailer Truck   Transportation   Trailer Truck   Transportation   Trailer Truck   Transportation   Trailer Truck   Transportation   Trailer Truck   Transportation   Trailer Truck   Transportation   Trailer Truck   Transportation   Trailer Truck   Transportation   Trailer Truck   Transportation   Trailer Truck   Transportation   Trailer Truck   Trailer T			No	m number an	d type of ships:		
Transportation of Steel Girder from the Provincial Capital		Up Stream Side	Special Remarks				
Transportation of Steel Girder from the Provincial Capital  Bridge Construction Bridge Construction Bridge Construction  Bridge Constru		Down Stream Side	Special Remarks	_			
Steel Girder From the Provincial Capital  Bridge Construction  Bridge Maintenance budget and system  1. Current bridge maintenance budget and system  1. Current bridge maintenance budget and system  1. Current bridge maintenance budget and system  1. Current bridge maintenance budget and system  1. Current bridge maintenance budget and system  1. Current bridge maintenance budget and system  1. Current bridge maintenance budget and system  1. Current bridge maintenance budget and system  1. Current bridge maintenance budget and system  1. Current bridge maintenance budget and system  1. Current bridge maintenan			Transportation Route	~	~		Other Additional Information to be Noted
Capital  Transportation  Any Bottleneck for Transportation ( )  Bridge Construction  Bridge Construction  Bridge Construction  Bridge Construction  Bridge Construction  Bridge Construction  Foundation Type RC Pile (L < 15m)  (Assumption) / Special Foundation ( )  Expected Work Hinder  No		Steel Girder from	-	Trailer Truck			1. Current bridge maintenance budget and system
Bridge Construction  Bridge Construction  Bridge Construction  Bridge Construction  Bridge Construction  Bridge Construction  Bridge Construction  Earth Bank with Sand Bags  / No Need (No water in dry season)  Suitable for Bent and Truck Crane Method Yes  Required Other Specials Erection Methods ( )  Foundation Type RC Pile (L < 15m)  (Assumption) / Special Foundation ( ) )  Expected Work Hinder  No				Suitable			
Bridge Construction  Bridge Construction  Bridge Construction  Steel Girder Erection  Foundation Type  (Assumption)  Assumption)  Expected Work Hinder  No Need (No water in dry season)  2 Current and expected projects by other donors (WB. ADB. JBIC. etc.)  2 Current and expected projects by other donors (WB. ADB. JBIC. etc.)			Any Bottleneck for Tr	ansportation (		)	
A No Need (No water in dry season)   2 Current and expected projects by other donors (WB. ADB. JBIC, etc.)			Coffering for Piers	Earth Bank with Sand	Bags		•
Bridge Construction  Steel Girder Erection Required Other Specials Erection Methods ( )  Foundation Type RC Pile (L < 15m)  (Assumption) / Special Foundation ( )  Expected Work Hinder No				/ No Need (No water	in dry season)		2 Current and expected projects by other donors (WB, ADB, JBIC, etc.)
Foundation Type RC Pile (L < 15m)  (Assumption) / Special Foundation ( )  Expected Work Hinder No			Steel Girder Erection				
(Assumption) / Special Foundation ( )  Expected Work Hinder No		Bridge Construction			ials Erection Methods	( )	
Expected Work Hinder No							
Hinder   No			Expected Work		·	)	
Remark				No			
	Remark						

Date of Answer: March / /2006

Title of	Respondent:	

Bridge No.	No. 35	Bridge Nar	me . E	ong Ach			Province	Name	Tuyen				Rose	Network	eround the	Bridge (co	nceptional	map)	
	. The F	load on whi	ch the bridge	exist			Nearest C	ity (with	population	over	20,000)	,							
Bridge Location	Road Nam	e	Statio	n of the E	Bridge	Na	me of the	City	Dist	ance	From the Bridge	i							
,	Inter-communa	al road		Km 2+00			Son Duon	E	1		30km								
	Bridge Length		50	m	Span		( 6 m+	6 m	- 6 п	ı+ 6	m+ 6 m)	,							
	Bridge Width		1.8	m	Carriage V	ay Width		···········			1.8 m								
Present	Superstructure Type	Wooden B	Bridge		J		•												
Condition of	Substructure Type	gabion colu	um with steel	net Colu	mn														
Bridge	Present Condition (Eye Check)	Weak										İ							
	Necessity of Reconstruction	Yes Reaso	n: To serve t	he travel	ing of the lo	ocat people	To socio-	economic	developme	nt.						)			
	Number of Days of Closed to Traffic	Vehicle / E	Bike etc. :		d	ays/year,	pedestri	an or Bic	ycle :		days/year								
			Information	of Villag	es Beyond	the Bridge		-				Informat	ion of the N	learest Cit	y (with pop	ulation ove	er 20,000)		
	Number of Village		7	villages	Name of R	egional Tov	wn	Dong Chay		Na	ame of City		Son Duong		Access Tir	ne from the	e Bridge	35	minutes
	Population		2325	persons	Number of	Household	ı		77 iousehol	ds Po	opulation of City		12951	persons	Number of	Household	1	3148	ıouseholds
	Average Income		30.000 Don	g/month	Population	Ratio of M	linority		60	% A\	verage Income		500.000 D	ong/month		ne from the			minutes
	Rate of School Attend (Elementary School)	ance	100	*	Rate of Sch High Schoo	ool Attenda  }	nce (Junior		80	% Re	emarks				(by genera residents)	means of	trip for the	By matorb	ike, bycicle
	Number of Educatio	nal Facilitie	) <b>3</b>		Junior Hig	h School			0	N	umber of Education	al Facilitie			Junior High	h School		2	
Actual State of Social	Elementary School		1		High Scho				0	El	lemental School		3		High Scho	ol		1	
Economic	Number of Medical	Fecilities			Emergency (middle siz	/ Hospital e hospital)			0	N	umber of Medical F	ecilities			Emergency (middle siz			1	
	Clinic (small size hospital)		1		Hospital fo (large size	r Serious F hospital)	Patients		0		linic mall size hospital)					r Serious F	Patients		
	Number of Daily Life	e Facilities			Bank				0	N	umber of Daily Life	Facilities			Bank			1	
	Post Office		1		Market				0	Po	ost Office		1		Market			1	
	Bus Stop				Public Offi (Town Hall	ces branch, et	c.)		0	Вс	us Stop				Public Offi (Town Hall		c.)	Yes	
	Main Land Use	Rice Field								De ye	etail of products sen ear of each product)	t to marke Rice, Maiz	ts through t e. Manioc: 3	he bridge l 00 tons/ 2	cation (Nar	ne of the p year	roducts, tot	al amount/	price per
	Main Production	Agriculture	•																
	Road Class	Inter-com	munal road							Ro	oad Width:5	Average F	load Width	4.5	m,	Average C	arriage Way	Width	m
]	Surface Type	Soil									ctual Road ondition	Normal						•	
Present	Average Traffic Volume	Big	Bus	Sma	ll Bus	Passer	nger Car	Mo	tor Bike		Big Track	Small	Track		art y animals)		le and	Вс	oat
Condition of Access Road	(car/day	)						3	00							, ,			
	Place of Bottleneck	Bridge / Ti	unnel / Narro	ow Width	Section / C	thers (	)			Mi	inimum Width			m	Traffic Co	ntrol	Up to		tone
	Remarks	Detail of bo	ottlenecks in	the acce	ss roads:												<b>.</b>		
	<u> </u>	<u>'                                    </u>								_									

	Road Network Plan	Traffic Infrastructure	Master Plan	Other Infrastructure	Priority of this bridge among the proposed bridges in this province
Village Level	Yes / No	Yes / No	Yes / No	Yes / No	Priority :
	Material No.	Material No.	Material No.	Material No.	1 2 3 4 5 6
	Yes / No	Yes / No	Yes / No	Yes / No	Х
	Material No.	Material No.	Material No.	Material No.	Reason of the priority:
Province Level	Yes / No	Yes / No	Yes / No	Yes / No	
	Material No.	Material No.	Material No.	Material No.	
Low Water Level	Depth m	River Width m	River Gradient (Estima	ate)	
	Depth m	River Width m	Year of the Flood		
-	Velocity	m/sec	Rapid flow / Moderate	flow /Slow flow	
Tidal effects	No		River Bed Material		
Bridge Surface Elevation	m from Averag	e Height of River Bed	Fine Sand		
Navigation to be considered	No	m number an	d type of ships:		
Up Stream Side	Special Remarks				
Down Stream Side	Special Remarks				
	Transportation Route	~	~		Other Additional Information to be Noted
Transportation of Steel Girder from	Carrying Method	Trailer Truck	TRE 178-0004, Stocker, or		1. Current bridge maintenance budget and system
		Suitable			
	Any Bottleneck for Tra	ansportation (		)	
	0.65 4.55	Earth Bank with Sand	Bags		
	Contening for mers	/ No Need (No water	in dry season)		2 Current and expected projects by other donors (WB, ADB, JBIC, etc.)
	0. 10.1 5 5	Suitable for Bent and	Truck Crane Method	(Yes / No)	
Bridge Construction	Steel Girder Erection	Required Other Speci	als Erection Methods	( )	
	Foundation Type	RC Pile (L < 15m)			
	(Assumption)	/ Special Foundation (		)	
		No			
		·····			
	Village Level  District Level  Province Level  Low Water Level  Highest Flood  Tidal effects  Bridge Surface Elevation  Navigation to be considered  Up Stream Side  Down Stream Side  Transportation of Steel Girder from the Provincial Capital  Bridge Construction	Material No.  Yes / No Material No.  Province Level  Province Level  Material No.  Yes / No Material No.  Low Water Level  Depth m  Velocity  Tidal effects  No Bridge Surface Elevation Navigation to be considered Up Stream Side  Down Stream Side  Down Stream Side  Special Remarks  Transportation of Steel Girder from the Provincial Capital  Any Bottleneck for Tr  Coffering for Piers  Steel Girder Erection  Foundation Type  (Assumption)  Exected Work	Village Level    Yes / No	Village Level  Yes / No  Material No.  Mater	Village Level  Ves / No  Ves / No  Material No.  Material

Date of Answer: March / 3

/2006

Name of Respondent:

Hoang Van Chinh

Title of Respondent: Vice Director of Technical Division

Bridge No.	No. 36	Bridge Na	me Na Lan	·		Province I	Name	Ha Giang			Road	Network	around the	Bridge (conceptional	тар)
	The R	oad on whi	ch the bridge exist			Nearest C	ity (with po	pulation ov	rer 20,000)						
Bridge Location	Road Nam	e	Station of the B	ridge	Nar	ne of the (	City	Distanc	e From the Bridge	] '					
	Ban Ngo - Ta	Nhin	Km0+300		×	(i Man tow	n		2km						
	Bridge Length		50 m	Span		(40 m+	m+	m+	m+ m)	]					
	Bridge Width		2.5 m	Carriage W	ay Width				2.3 m						
Present	Superstructure Type	Suspensio	n Bridge												
Condition of Bridge	Substructure Type	Suspension	n Bridge												
	Present Condition (Eye Check)	Old, Weak													
	Necessity of Reconstruction	Yes Reaso	n: Socio-economic de	velopment fo	or 3 commu	ines in Sou	thern area;	the pupil go	to school, the patie	ent go to hos	pital				
	Number of Days of Closed to Traffic	Vehicle / I	Bike etc. :	da	ays/year,	pedestria	ın or Bicycle	: ·	days/year					_	
			Information of Villeg	es Beyond	the Bridge					Informat	ion of the I	Vearest Cit	ty (with pop	ulation over 20,000)	
	Number of Village		53 villages	Name of Re	egional Tow	n	Na Lan village		Name of City Cac Pai town			Access Ti	me from the Bridge	15 minute	
	Population		9700 persons	Number of	Household		18631	ouseholds	Population of City		12199	Number of	Household	2088 rousehold	
İ	Average Income		200.000 Dong/month				99	%	Average Income		250.000 D	ong/month	village bey	me from the main ond the bridge site	hourminut
	Rate of School Attenda (Elementary School)	ence	30 %	Rate of School	ool Attendan	ce (Junior	25	*	Remarks				(by genera residents)	I means of trip for the	Ву
	Number of Educatio	nal Facilitie	) <b>.</b>	Junior High	School		4		Number of Education	onal Facilitie			Junior Hig	h School	2
Actual State of Social	Elementary School		6	High Schoo			0		Elemental School		4		High Scho		1
Economic	Number of Medical I	Facilities .	r	(middle size	e nospital/			Number of Medical	Facilities				e hospital)	1	
	(small size hospital)		4	(large size		tients	0		Clinic (small size hospital)		4		(large size	r Serious Patients hospital)	0
	Number of Daily Life	Facilities		Bank			0		Number of Daily Lif	e Facilities	·		Bank		2
	Post Office	- · · · · · · · · · · · · · · · · · · ·	4	Market Public Offic			3 (At		Post Office		4		Market Public Offi		1
	Bus Stop		0	(Town Hall		.)	commune		Bus Stop	ont to marks	0		(Town Hall	ces branch, etc.) ne of the products, to	1
	Main Land Use	Rice Field,	Forest						year of each produc						al amount/price per
	Main Production	Agriculture								_				<del>,</del>	
	Road Class	National ro				Road Width 7m Actual Road	<del>+-</del> -	load Width	- 6	m,	Average Carriage Way	Width 3.5			
	Surface Type Average Traffic	Bitumen S							Condition	Good			art	Bicycle and	
Present Condition of	Volume '			l Bus	Passen	ger Car	Motor	Bike	Big Track		Track	(drawn b	y animals)	pedestrian	Boat
Access Road	(car/day)	0		!		4 120			2	5			) 	70	0
	Place of Bottleneck		unnel / Narrow Width S ottlenecks in the acces						Minimum Width	.11		m	Traffic Co	ntrol Up to	tone
]	Remarks														
						,									

		Road Network Plan	Traffic Infrastructure	Master Plan	Other Infrastructure	Priority of this bridge among the proposed bridges in this province					
	Nett. 1	Yes / No	Yes / No	Yes / No	Yes / No	Priority:					
Relevant	Village Level	Material No.	Material No.	Material No.	Material No.	1 2 3 4 5 6					
Development	District Level	Yes / No	Yes / No	Yes / No	Yes / No	х					
1	District Level	Material No.	Material No.	Material No.	Material No.	Reason of the priority;					
	Province Level	Yes / No	Yes / No	Yes / No	Yes / No	The pupils go to scholl in favourable condition					
		Material No.	Material No.	Material No.	Material No.	Socio-economic development in region					
	Low Water Level	Depth 1 m	River Width m	River Gradient (Estima	ate) 3%	The patients go to the hospital in timely					
	Highest Flood	Depth 5 m	River Width 40 m	Year of the Flood		Old suspension bridge					
	riighest 1 lood	Velocity	m/sec	Rapid flow		Exchaging goods					
River	Tidal effects	Have / No		River Bed Material							
Condition	Bridge Surface Elevation	m from Averag	e Height of River Bed	Sand, Gravel							
	Navigation to be considered	Yes or No	m number an	d type of ships:	0						
	Up Stream Side	Special Remarks	There is suspension b	ridge							
	Down Stream Side	Special Remarks	0								
		Transportation Route	Provicial Road 177 Ba	c Quang - Xin Man		Other Additional Information to be Noted					
	Steel Girder from	Carrying Method	Trailer Truck			Current bridge maintenance budget and system					
	the Provincial Capital	Road Condition for Transportation	Suitable / Possible / I	Possible with small Rep	pair / Impossible	The budgeet from district: 2,000,000dong/year					
		Any Bottleneck for Tr	ansportation: No								
		Coffering for Piers	Earth Bank with Sand	Bags							
Bridge Construction		Conting for Fiers	/ No Need (No water	in dry season)		2 Current and expected projects by other donors (WB, ADB, JBIC, etc.)					
		Steel Girder Erection	Suitable for Bent and	Truck Crane Method	Yes						
	Bridge Construction	Steel Girder Erection	Required Other Speci	als Erection Methods (	( )						
		Foundation Type	RC Pile (L < 15m)								
	(Assumption) / Special Foundation No										
		Expected Work Hinder	0		~~~~						
Remark											

Date of Answer: March / 3

/2006

Name of Respondent:

Nong Dinh Suong Title of Respondent: Director of Technical Division

Bridge No.	No. 37	Bridge Nar	me T	a Lang		Province	Name	ha Giang		T	Road I	Network a	around the	Bridge (co	onceptional	map)	
		ned on whi	ch the bridge				ity (with po		20 000)	<del></del>							
Bridge									-								
Location	Road Name Station of the E				Bridge Name of the City Distance			nce From the Bridge									
	Ngoc Duong - To	ung Ba	K	m10+500		wn		16.5km	4								
	Bridge Length		36	m	Span	( m	+ m+	- m+	m+ m)	1							
	Bridge Width		1.5	m	Carriage Way W			1.2 m									
1 1	Superstructure Type	Suspenssio	on Bridge							1							
Present Condition of Bridge	Substructure Type	Suspenssio	on Bridge														
i " [	Present Condition (Eye Check)	Weak															
	Necessity of Reconstruction	Yes Reaso	n: To socio-e	conomic	development; th	e pupils go to sch	nool anf exc	hanging god	ods	_,					)		
	Number of Days of Closed to Traffic	Vehicle / E	Bike etc. :		days/y	/ear, pedestri	an or Bicycl	e :	days/year	1							
			Information	of Villag	es Beyond the i	Bridge				Informat	ion of the Ne	arest Cit	y (with po;	ulation ov	er 20,000)		
	Number of Village		4	villages	Name of Region	al Town	Phuc Ha		Name of City		Ha Giang town		Access Ti	me from th	e Bridge	40	minutes
	Population		6111	persons	Number of Hous	1147	nauseholds	Population of City		35718	persons	Number of Household			8617 rousehold		
	Average Income		200.000 Don	g/month	Population Ratio	of Minority	98	×	Average Income		500,000 Don	g/month		me from the			5 minutes
	Rate of School Attenda (Elementary School)			×	Rate of School A High School)	ttendance (Junior	22	*	Remarks		•				trip for the	Ву	
	Number of Education	iumber of Educational Facilities				iool	1		Number of Education	nel Facilities	B		Junior Hig	h School		10	)
Actual State of Social	Elementary School 4				High School	****	0		Elemental School		10		High Scho	ol		3	 I
	Number of Medical Facilities				Emergency Hos (middle size hos	0		Number of Medical I	Number of Medical Facilities			Emergenc (middle siz	y Hospital e hospital)		1		
	Clinic (small size hospital)				Hospital for Ser (large size hosp	0		Clinic (small size hospital)				Hospital for Serious Patients (large size hospital)			0	)	
	Number of Daily Life	Facilities			Bank	0		Number of Daily Life	of Daily Life Facilities			Bank			4		
	Post Office		1		Market	0		Post Office		2		Market			1		
	Bus Stop		0		Public Offices (Town Hall bran	ch, etc.)	1		Bus Stop		0		Public Offi (Town Hali	ces branch, et	rc )		
	Main Land Use	Rice Field,	Forest						Detail of products se year of each product	nt to market	ts through the	bridge lo	cation (Na	me of the p	products, to	tal amount/	price per
	Main Production	Agriculture	/ Forestry									,		1,200,000	,, you.		
	Road Class	District Ro	ad			<u> </u>			Road Width: 7m	Average R	oad Width	5	m,	Average C	Carriage Way	/ Width	3.5 m
	Surface Type	Bitumen Se	eal						Actual Road Condition	Normal				·			
	Average Traffic Volume	Big	Bus	Smal	l Bus F	assenger Car	Motor	Bike	Big Track	Small	Track	Ca (drawn by			cle and	В	oat .
Condition of Access Road	(car/day)	0		0		0	400		3	5			y animals) pedestrian 80		<b></b>		
	Place of Bottleneck	Bridge / Tu	unnel / Narro	w Width S	Section / Others	: No	•		Minimum Width	1		,	Traffic Co	ntrol	Up to	·	tone
	Remarks	Detail of bo	ottlenecks in t	the acces	ss roads:: No								L		<b></b>		
	rtemarks																

		Road Network Plan	Traffic Infrastructure	Master Plan	Other Infrastructure	Priority of this bridge among the proposed bridges in this province								
	Village Level	Yes / No	Yes / No	Yes / No	Yes / No	Priority:								
Relevant	Village Level	Material No.	Material No.	Material No.	Material No.	1 2 3 4 5 6								
Development Plan	District Level	Yes / No	Yes / No	Yes / No	Yes / No	x								
	District Level	Material No.	Material No.	Material No.	Material No.	Reason of the priority:								
	Province Level	Yes / No	Yes / No	Yes / No	Yes / No	The pupils going to the school by suspension bridge are very dangerous during the flood season.								
	A TOTALISE LEVEL	Material No.	Material No.	Material No.	Material No.	Bringing socio-economic lights to Ethonic Minorities.								
	Low Water Level	Depth 1 m	River Width 32 m	River Gradient (Estima	ate) 3%	To socio-economic developemnt, to provide the food, goods to local people in tomn and communes, districts								
l	Highest Flood	Depth 4 m	River Width 40 m	Year of the Flood										
	riigriest riood	Velocity	m/sec	Rapid flow / Moderate	e flow /Slow flow									
River	Tidal effects	Have / No		River Bed Material										
Condition	Bridge Surface Elevation	m from Averag	ge Height of River Bed	Sand, Gravel, Rock	·									
	Navigation to be considered	No	m number an	d type of ships:										
	Up Stream Side	Special Remarks	No											
	Down Stream Side	Special Remarks	No											
		Transportation Route	~	~		Other Additional Information to be Noted								
İ	Transportation of Steel Girder from	Carrying Method	Truck of 18 tones			Current bridge maintenance budget and system								
	the Provincial Capital	Road Condition for Transportation	Suitable			The budget from the district: 2,000,000dong								
		Any Bottleneck for Tr	ansportation: No											
		Coffering for Piers	Earth Bank with Sand	Bags										
Bridge Construction		Contening for Fiers	/ No Need (No water	in dry season)		2 Current and expected projects by other donors (WB, ADB, JBIC, etc.)								
		Steel Girder Erection	Suitable for Bent and	Truck Crane Method	Yes	·								
	Bridge Construction	Steel Girder Erection	Required Other Speci	als Erection Methods:	No )									
		Foundation Type	RC Pile (L < 15m)											
		(Assumption)	/ Special Foundation:	No										
		Expected Work Hinder												
Remark														
		·												

Date of Answer: March / 3 /2006

Name of Respondent:

Title of Respondent: Director of Technical Division

Bridge No.	No. 38	Bridge Name	Suoi Dau			Province	Name	Ha Giang			Road Network	around the I	Bridge (conceptional	map)
	The R	oed on which the b	ridge exist			Nearest C	City (with po	pulation o	ver 20,000)	,				
Bridge Location	Road Name	e S	ation of the	Bridge Name of the City			City	Distance From the Bridge						
	NH2 - Ngoc I	inh	Km 2+506	) Vi Xuyen tow			vn .		3km	1				
	Bridge Length		45 m	Span		( m	1+ M+	m+	- m+ m)	1				
	Bridge Width		2.5 m	Carriage W	ay Width		2.2 m							
Present	Superstructure Type	Suspension Bridge		•						1				
Condition of Bridge	Substructure Type	Suspension Bridge								1				
5/10 <b>5</b> 0	Present Condition (Eye Check)	Weak								]				
	Necessity of Reconstruction	Yes Reason: To so	ci-economic	development	, The pupils	go to the	school, The	patients g	o to the hospital	•				)
	Number of Days of Closed to Traffic	Vehicle / Bike etc.	:	da	days/year, pedestrian or Bicycle : days/year									
		Inform	ition of Villa	ges Beyond	the Bridge		-			Informat	ion of the Nearest Ci	ty (with popu	ulation over 20,000)	<del> </del>
	Number of Village		32 village				Khuoi Va Ward		Name of City		Vi Xuyen town	Access Tim	e from the Bridge	20 minute
	Population	113	56 person	s Number of Household			2270 rouseholds		Population of City		6884 persons	Number of Household		1727 rousehold
	Average Income 170,000 Dong/mont			Population	Ratio of Mi	nority	90	×	Average Income		270,000 Dong/month		ne from the main and the bridge site	20 minute
	Rate of School Attendance (Elementary School) 18			Rate of School High School	ool Attendan )	ice (Junior	19	×	Remarks		***	(by general residents)	means of trip for the	Ву
	Number of Education		Junior High	School		3		Number of Education	al Fecilitie	•	Junior High	School	7	
Actual State of Social	Elementary School	12	High School		-	0		Elemental School		7	High Schoo	I	1	
	Number of Medical f		Emergency (middle size	hospital)		0		Number of Medical F	acilities		Emergency (middle size		1	
	Clinic (small size hospital)		3	Hospital for (large size	r Serious Pa hospital)	atients	0		Clinic (small size hospital)		1		Serious Patients nospital)	0
	Number of Daily Life	Bank			0		Number of Daily Life	Facilities		Bank		3		
	Post Office				Market		0		Post Office		†	Market		1
	Bus Stop		0	Public Offic (Town Hall	branch, etc	:.)	3		Bus Stop		0	Public Offic (Town Hall I	1	
	Main Land Use	Rice Field, Forest							Detail of products set year of each product	nt to market ): Rice: 18,0	ts through the bridge l 00 kg/d/year; Wood: 3	ocation (Nam 40m3/1,100,	ne of the products, tot 000d/year	al amount/price per
	Main Production	Agriculture, Foresti	у									_		
	Road Class	District Road							Road Width: 7m	Average R	Average Road Width 6 m, Average Carriage Way Width			
	Surface Type	Gravel							Actual Road Condition	Normal				
Present	Average Traffic Volume	Big Bus	Sma	ill Bus	Passen	ger Car	Motor	Bike	Big Track	Small		art y animals)	Bicycle and pedestrian	Boat
Condition of Access Road	(car/day)	0		)	0		300		3	5			60	
	Place of Bottleneck					Мі			Minimum Width	m		Traffic Con	trol Up to	tone
	Remarks	Detail of bottleneck	s in the acce	ssiroads:: No	υ									
											·		-	

		Road Network Plan	Traffic Infrastructure	Master Plan	Other Infrastructure	Priority of this bridge among the proposed bridges in this province						
	\( \text{C} \)	Yes / No	Yes / No	Yes / No	Yes / No	Priority:						
Relevant	Village Level	Material No.	Material No.	Material No.	Material No.	1 2 3 4 5 6						
Development		Yes / No	Yes / No	Yes / No	Yes / No	х						
rian.	District Level	Material No.	Material No.	Material No.	Material No.	Reason of the priority:						
	Province Level	Yes / No	Yes / No	Yes / No	Yes / No	Exchaging goods and agricultural roducts						
	Province Level	Material No.	Material No.	Material No.	Material No.	Hauling Antimon ore						
	Low Water Level	Depth 1.5 m	River Width 20 m	River Gradient (Estim	ate) 3%	The pupils fo to the school and the patients go to the hospital.						
		Depth 6 m	River Width 35 m	Year of the Flood		The local people can get socio∼economic achivements						
	Highest Flood	Velocity	m/sec	Moderate flow								
River	Tidal effects	Have / No		River Bed Material								
	Bridge Surface Elevation	m from Averag	e Height of River Bed	Rock								
	Navigation to be considered	Yes or No	m number an	d type of ships:								
	Up Stream Side	Special Remarks	There is causeway far	from bridge of 1km								
	Down Stream Side	Special Remarks										
		Transportation Route	NH2 - Ngọc Linh Com	mune		Other Additional Information to be Noted						
	Transportation of Steel Girder from	Carrying Method	Trailer Truck / Ship /	Others (	)	1. Current bridge maintenance budget and system						
		Road Condition for Transportation	Suitable			District budget: 2,000,000 dong/year						
		Any Bottleneck for Tr	ansportation: No									
		Coffering for Piers	Sheet Pile / Earth Ba	nk with Sand Bags / R	iver Diversion							
Bridge Construction		Conting to Tiers	/ No Need (No water	in dry season)		2 Current and expected projects by other donors (WB, ADB, JBIC, etc.)						
		Steel Girder Erection	Suitable for Bent and	Truck Crane Method (	Yes / No )							
	Bridge Construction	Steel dirder Erection	Required Other Spec	als Erection Methods	( )							
		Foundation Type	RC Pile (L < 15m)	-								
		(Assumption)	/ Special Foundation (		)							
		Expected Work Hinder										
Remark												

Date of Answer: March / 3 /2006

Name of Respondent:

Nong Dinh Suong Title of Respondent: Director of Technical Division

										Ţ					
Bridge No.	No. 39	Bridge Nam	ne :	Suoi Diec			Province	Name Ha Gian			Road	Network	around the	Bridge (conceptional	map)
	The	Road on whic	h the bric	ige exist			Nearest (	ity (with population	over 20,000)	١,					
Bridge Location	Road Nar	ne	Stat	tion of the	Bridge	Na	me of the	City Dista	nce From the Bridge	1					
	Ngoc Linh - Ng	goc Minh		Km 22		,	/i Xuyen to	wn	25km						
	Bridge Length	Τ	m Span ( m+ n					ı+ m+ ı	n+ m+ m)	1					
	Bridge Width				Carriage 1	Way Width				1					
	Superstructure	0	0-:1		Journage	rioy riidai	L		m	-					
Present Condition of	Туре	Suspension	*****				-								
Bridge	Substructure Type Present Condition	Suspension	Bridge												
]	(Eye Check) Necessity of	Weak								]					
	Reconstruction	Yes Reason: Pupils go to the school; The partients go to the hospital; to socio-ec							c development; Exchag	ing goods					)
	Number of Days of Closed to Traffic	Vehicle / B	ike etc. :			days/year,	pedestri	an or Bicycle :	days/year						
			Informati	metion of Villages Beyond the Bridge						Informat	on of the N	earest Ci	ty (with po	pulation over 20,000)	
	Number of Village		16	villages	Name of f	Regional Tov	vn	Phai village	Name of City		Vi Xuyen town		Access Ti	me from the Bridge	20 minutes by bus
	Population		7195	persons	Number o	f Household			s Population of City		6884	persons	Number of	f Household	1727 households
	Average Income		160.000 D	ong/month	Population	n Ratio of M	inority	82	Average Income		270,000 Do		Access Ti	me from the main	30 minute
	Rate of School Attend (Elementary School)	dance	21	,	Rete of Sci High School	hool Attendar	ce (Junior	19	% Remarks		1		(by genera	ond the bridge site Il means of trip for the	By
	Number of Educati	onal Facilities			Junior Hig			6	Number of Education	nel Canillata			residents)		<del></del>
Actual State		T	6		High Scho			ļ		INI T ACRICIO	T		Junior Hig		7
of Social Economic	Number of Medical	Facilis'		·	Emergenc			1	Elemental School		7		High Scho Emergenc		1
	Number of Medical	· achities			(middle siz	ze hospital) or Serious P	atients	0	Number of Medical f	scilities			(middle siz	e hospital)	1
	(small size hospital)		2		(large size			0	(small size hospital)		1		Hospital fo	or Serious Patients hospital)	0
	Number of Daily Lit	e Facilities			Bank			0	Number of Daily Life	Facilities			Bank		3
	Post Office		2		Market			0	Post Office		1		Market		1
	Bus Stop				Public Off (Town Hal	ices I branch, etc	i.)	2	Bus Stop		0		Public Offi (Town Hall	branch etc.)	1
	Main Land Use	Rice Field							Detail of products ser year of each product	nt to market	ts through th	e bridge to	cation (Na	me of the products tot	al amount/price per
	Main Production	Agriculture ,	/ Forestry	,					- Jan 61 65611 p. 64461	. 1400. 05,4	LO Ng/ 2,0000	/ year, 110	ioa. 200m3/	1,200,000d/year	
. ***	Road Class	District road	i		<b>'</b>			Road Width: 6m			oad Width	5		Average Carriage Way	ME IO
	Surface Type	Soil							Actual Road	Bad				Average Carriage Way	Width 3.5 r
	Average Traffic	Big B	Bus	Sma	Bus Passenger Car			Motor Bike	Condition Big Trook	Big Track Small			art	Bicycle and	
Present Condition of	Volume (car/day			0									y animals)	pedestrian	Boat
Access Road		<del> </del>		l		0		200	3	6				60	
	Place of Bottleneck	Bridge / Tur Detail of bot							Minimum Width	Ĺ		n 	Traffic Co	ntrol Up to	tone
	Remarks				33 10003. 11	•									
	<u> </u>	J	_												
		Road Netw	ork Plan	Traffic Infr	astructure	Maste	r Plan	Other Infrastructure	1	Priority of t	his bridge ar	nong the	proposed b	ridges in this province	· · · · · · · · · · · · · · · · · · ·
		Yes / No		Yes / No		Yes / No Yes / No			Priority :						
	Village Level	Material No.		Material No	).			Material No.	1	2	3	4	5	6	
Relevant Development		Yes / No		Yes / No		Yes / No		Yes / No	<b>!</b>	-	Ū	•		-	
Plan	District Level	Material No.		Material No		Material No							х		
		Yes / No			,. 			Material No.	Reason of the pri						
	Province Level			Yes / No		Yes / No		Yes / No	To socio-e	conomic de	velopment.				
		Material No.		Material No		Material No		Material No.	Exchange	of goods, pro	oducts.				
	Low Water Level	Depth		River Width		River Gradi		te)	Reducing p	overty, brin	ging culteral	lights to l	Ethnic Mino	rities.	
	Highest Flood	Depth	4 m	River Width	45 m	Year of the	Flood	29	The pupils	go to the s	chool and the	patients	go to the h	ospital	
		Velocity		m/sec		Rapid flow	/ Moderate	flow /Slow flow							
River	Tidal effects	Have / No				River Bed N		_							
Condition	Bridge Surface Elevation	m fro	m Average	e Height of		Silt / Fine S Rock	Sand / San	d / Gravel /Boulder /							
	Navigation to be considered	Yes or No	0	m	number and	d type of shi	ps:	0							
	Up Stream Side	Special Rema	arks	No											
	Down Stream Side	Special Rema	arks I	No											
		Transportatio			Linh - No	oc Minh					Other Addit	ionel t-c		ha Nata t	
	Transportation of	Carrying Met		12 tons Tru					1 0				medan to	ne Morag	
	Steel Girder from the Provincial	vincial Road Condition for Passible with a - II Passible							1. Current bridge	,,autenanc	y <u>uudget ê</u> ne	system			
	Capital	Transportation   Cosmon Miles Miles   Any Bottleneck for Transportation: No													
							· · · · · · · · · · · · · · · · · · ·	The district	budget: 2,0	000,000d/yea	r				
Bridge	Coffering for Piers														
Construction			-			in dry seaso			2 Current and exp	ected proje	cts by other	donors (	WB, ADB,	JBIC, etc.)	
ĺ		Steel Girder I	Erection S	Suitable for	Bent and	Fruck Crane	Method (	Yes / No)							
	Bridge Construction			Required C	ther Specia	als Erection	Methods (	)				,			
		Foundation T	уре [	RC Pile (L <	(15m)										
		(Assumption)	,	Special Fo	oundation: 1	No									
		Expected Wor Hinder	rk												
Remark					·										

Date of Answer: March / 3 /2006

Name of Respondent: Mr. Thang

Title of Respondent: Vice Director of Technical Division

Bridge No.	No. 40	Bridge Name	Lien Hiep		F	Province I	Name	Ha Giang			Road Network	k around the	Bridge (conceptional	map)	
	The R	oad on which the brid	ge exist		N	Nearest C	ity (with po	pulation o	ver 20,000)	1	***************************************				
Bridge Location	Road Name	Stat	ion of the E	Bridge Name of the City Distance				ce From the Bridge	1						
	NH 279 Km 29+80			0 Bac Quang town				31km	1						
	Bridge Length	25	m	Span	(	m	+ m+	m-	- m+ m)	1					
	Bridge Width	1.5	m	Carriage Wa	ay Width				1 m						
Present	Superstructure Type	Temporary Wooden E	ridge												
Condition of Bridge	Substructure Type	Wooden Pile								ŀ					
	Present Condition (Eye Check)	Serious Damage													
	Necessity of Reconstruction	Yes Reason: To socio	-economic	developmen	nt in region, t	the pupils	go to the se	chool; the p	partients go to the hos	spital					)
	Number of Days of Closed to Traffic	Vehicle / Bike etc. :		da	ays/year,	pedestria	n or Bicycl	e :	days/year	]					
		Informati	on of Villa	es Beyond 1	the Bridge					Informati	ion of the Nearest C	City (with po	pulation over 20,000)		
	Number of Village	21	villages	Name of Regional Town Huu S				Thuong Dinh	Name of City	Quang		Access Ti	me from the Bridge	50	minutes
	opulation 8020		persons	s Number of Household		1610 iouseholds		Population of City	1300 persons		ns Number o	Number of Household		ouseholds	
	Average Income				Ratio of Min	ority	80	*	Average Income		400 ang/mont		me from the main		minutes
	Rate of School Attenda (Elementary School)	of School Attendance nentary School) 18			ool Attendance )	e (Junior	16	*	Remarks	m.25.		(by general residents)	al means of trip for the	Ву	
	Number of Education		Junior High	School		2		Number of Education	nai Facilities		Junior Hig	h School	2		
Actual State of Social	Elementary School 8		ı	High Schoo			1		Elemental School		3	High Scho	lol	2	
Economic	Number of Medical F		Emergency Hospital (middle size hospital)			0		Number of Medical F	acilities			y Hospital ze hospital)	1		
	Clinic (small size hospital)		ı	Hospital for Seriou (large size hospital					Clinic (small size hospital)		4		Hospital for Serious Patients (large size hospital)		
	Number of Daily Life	Facilities		Bank			0		Number of Daily Life	Facilities		Bank		3	
	Post Office	3	3 Marke				0		Post Office		1	Market	Market		
	Bus Stop	0		Public Offic (Town Hall	es branch, etc.)	)	3		Bus Stop		0		l branch, etc.)	1	
	Main Land Use	Rice Field							Detail of products ser year of each product	nt to market ): Rice: 30,7:	ts through the bridge 20 kg/2,500d/year, W	location (Na Vood:370m3/	me of the products, to 1,200,000d/year	tal amount/p	rice per
	Main Production	Agriculture, Forestry													
	Road Class	National Road							Road Width: 8	Average R	oad Width	6 m,	Average Carriage Way	/ Width	3.5 m
		Bitumen Seal							Actual Road Condition	Good					
Present	Average Traffic Volume	Big Bus	Sma	II Bus	Passenge	er Car	Motor	Bike	Big Track	Small		Cart by animals)	Bicycle and pedestrian	Во	at
Condition of Access Road	(car/day)				5		360		6	8			50		
		Bridge / Tunnel / Na							Minimum Width	m		Traffic Co	ntrol Up to		tone
	Remarks	Detail of bottlenecks	in the acce	ss roads: No	K										
		Road Matwork Plan										-			

	1			ſ									
		Road Network Plan	Traffic Infrastructure	Master Plan	Other Infrastructure	Priority of this bridge among the proposed bridges in this province							
	Village Level	Yes / No	Yes / No	Yes / No	Yes / No	Priority:							
Relevant	Timage nove	Material No.	Material No.	Material No.	Material No.	1 2 3 4 5 6							
Development	District Level	Yes / No	Yes / No	Yes / No	Yes / No	х							
		Material No.	Material No.	Material No.	Material No.	Reason of the priority:							
	Province Level	Yes / No	Yes / No	Yes / No	Yes / No	To socio-economic development in region							
		Material No.	Material No.	Material No.	Material No.	Go to shool and hospital in favourable condition							
	Low Water Level	Depth 1 m	River Width 20 m	River Gradient (Estima	ate) 3%	Exchange of goods and agricultural and forest products							
	Highest Flood	Depth 5 m	River Width 35 m	Year of the Flood		Elimination of poverty for communes located beyond the bridge							
	I ng. 1000	Velocity	m/sec	Rapid flow									
River	Tidal effects	Have / No		River Bed Material									
	Bridge Surface Elevation	m from Averag	ge Height of River Bed	Gravel, Boulder, Rock									
	Navigation to be considered	No	m number an	d type of ships:									
	Up Stream Side	Special Remarks	Causeway										
	Down Stream Side	Special Remarks											
		Transportation Route	NH2 - NH279			Other Additional Information to be Noted							
	Steel Girder from	Carrying Method	Trailer Truck			1. Current bridge maintenance budget and system							
		Road Condition for Transportation	Suitable			Maintenance cost is 2,000,000d/year from local people contribution							
		Any Bottleneck for Tr	ansportation: No										
		Coffering for Piers	Earth Bank with Sand	Bags									
Bridge Construction			/ No Need (No water	in dry season)		2 Current and expected projects by other donors (WB, ADB, JBIC, etc.)							
		Steel Girder Erection	Suitable for Bent and	Truck Crane Method	Yes								
	Bridge Construction		Required Other Speci	ials Erection Methods (	( )								
		Foundation Type	RC Pile (L < 15m)										
		(Assumption)	/ Special Foundation (		)								
		Expected Work Hinder											
Remark													