

8-2 質問票に対する各省の回答書

QUESTIONNAIRE ON REQUESTED BRIDGES

Date of Answer: March / /2006

Name of Respondent: _____

Title of Respondent: _____

Bridge No.	No. 01	Bridge Name	Ban Kheang	Province Name	Son La	Road Network around the Bridge (conceptual map)										
Bridge Location	The Road on which the bridge exist			Nearest City (with population over 20,000)												
	Road Name		Station of the Bridge		Name of the City		Distance From the Bridge									
	Provincial Road (PR) 107		Km 20		Thuan Chau		33									
Present Condition of Bridge	Bridge Length	12 m		Span	(9 m+ m+ m+ m+ m)											
	Bridge Width	5 m		Carriage Way Width			4 m									
	Superstructure Type	Steel combine bridge with LC slab														
	Substructure Type	Masonry														
	Present Condition (Eye Check)	Weak														
	Necessity of Reconstruction	Yes Reason: Road was improved, rehabilitated, but no bridge on the road, the low Load does not meet the demand of transport.														
	Number of Days of Closed to Traffic	Vehicle / Bike etc. : 20		days/year.		pedestrian or Bicycle : 20		days/year								
Actual State of Social Economic	Information of Villages Beyond the Bridge				Information of the Nearest City (with population over 20,000)											
	Number of Village	19 villages		Name of Regional Town	Pa Uon		Name of City	Thuan Chau		Access Time from the Bridge	60 minutes					
	Population	8992 persons		Number of Household	1015 households		Population of City	130000 persons		Number of Household	22,596 households					
	Average Income	190,000ng/month		Population Ratio of Minority	60		Average Income	216,000ng/month		Access Time from the main village beyond the bridge site (by general means of trip for the residents)	30 minutes					
	Rate of School Attendance (Elementary School)	4.5 %		Rate of School Attendance (Junior High School)	5		Remarks		By							
	Number of Educational Facilities			Junior High School		1		Number of Educational Facilities			Junior High School		29			
	Elementary School			1		High School		0		Elementary School			29			
	Number of Medical Facilities			Emergency Hospital (middle size hospital)		0		Number of Medical Facilities			Emergency Hospital (middle size hospital)		1			
	Clinic (small size hospital)			1		Hospital for Serious Patients (large size hospital)		0		Clinic (small size hospital)			29			
	Number of Daily Life Facilities			Bank		0		Number of Daily Life Facilities			Bank		1			
	Post Office			1		Market		0		Post Office			2			
	Bus Stop			0		Public Offices (Town Hall branch, etc.)		1		Bus Stop			0			
	Main Land Use	Rice Field, Vegetable Farm, Fruit Farm				Detail of products sent to markets through the bridge location (Name of the products, total amount/price per year of each product): Rice and all kind of food: 2 billion dong/year										
	Main Production	Agriculture, Forestry														
Present Condition of Access Road	Road Class	Provincial road and District road				Road Width: 6.5	Average Road Width 5 m,		Average Carriage Way Width 3.5 m							
	Surface Type	Soil				Actual Road Condition	Normal									
	Average Traffic Volume (car/day)	Big Bus		Small Bus		Passenger Car		Motor Bike		Big Truck		Small Truck	Cart (drawn by animals)	Bicycle and pedestrian	Boat	
		0		0		2		70		20		25	0	30	0	
	Place of Bottleneck	Narrow Width Section				Minimum Width		5 m		Traffic Control		Up to H13X60 tone				
Remarks	Detail of bottlenecks in the access roads:															
Relevant Development Plan	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 :			
	District Level		Yes		Yes		Yes		Yes				1 2 3 4 5 6			
	Province Level		Yes		Yes		Yes		Yes				X			
	Reason of the priority :		Road 107 was approved for investment with road class V by ADB fund, but it is not enough fund, at present the bridge has been not yet constructed. The bridge can be damaged at any time, so it is necessary to improve the bridge to increase capacity of using the road and socio-economic development.													
River Condition	Low Water Level	Depth	m		River Width	8 m		River Gradient (Estimate)				4%				
	Highest Flood	Depth	m		River Width	15 m		Year of the Flood								
	Tidal effects	No				River Bed Material		0								
	Bridge Surface Elevation	m from Average Height of River Bed				Silt										
	Navigation to be considered	No m number and type of ships:														
	Up Stream Side	Special Remarks														
	Down Stream Side	Special Remarks														
Bridge Construction	Transportation Route		~		~						Other Additional Information to be Noted					
	Transportation of Steel Girder from the Provincial Capital		Carrying Method		Trailer Truck						1. Current bridge maintenance budget and system					
			Road Condition for Transportation		Suitable						There is fund for provincial road maintenance					
	Bridge Construction		Coffering for Piers		Sheet Pile / 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)						No					
		Foundation Type		RC Pile (L < 15m)												
		(Assumption)		/ Special Foundation ()												
		Expected Work Hinder		In rainy reason, the construction progress is to be effected due to increasing water level												
Remark																

QUESTIONNAIRE ON REQUESTED BRIDGES

Date of Answer: March / /2006

Name of Respondent: _____

Title of Respondent: _____

Bridge No.	No. 02	Bridge Name	Ban Sai	Province Name	Son La	Road Network around the Bridge (conceptual map)					
Bridge Location	The Road on which the bridge exist			Nearest City (with population over 20,000)							
	Road Name		Station of the Bridge		Name of the City		Distance From the Bridge				
	Sap Vat - Phiang Con		Km 0+100		Yen Chau town		3.5km				
Present Condition of Bridge	Bridge Length	40 m	Span		(40 m+ m+ m+ m+ m)						
	Bridge Width	1.8 m	Carriage Way Width		1.6 m						
	Superstructure Type	Suspension bridge									
	Substructure Type	Nile									
	Present Condition (Eye Check)	Non Serious Damage									
	Necessity of Reconstruction	Yes Reason: Suspension bridge to serve motorbike and pedestrian, vehicle means have to use the bypass far from of 10km									
	Number of Days of Closed to Traffic	Vehicle / Bike etc. : 365 days/year,		pedestrian or Bicycle : 365 days/year							
Actual State of Social Economic	Information of Villages Beyond the Bridge				Information of the Nearest City (with population over 20,000)						
	Number of Village	10 villages	Name of Regional Town	Sap Vat	Name of City	Yen Chau town	Access Time from the Bridge	10 minutes			
	Population	5194 persons	Number of Household	1069 households	Population of City	62854 persons	Number of Household	13666 households			
	Average Income	190,000ng/month	Population Ratio of Minority	100	Average Income	333,000ng/month	Access Time from the main village beyond the bridge site (by general means of trip for the residents)	10 minutes			
	Rate of School Attendance (Elementary School)	3.9	Rate of School Attendance (Junior High School)	3.8	Remarks		By				
	Number of Educational Facilities		Junior High School		1		Number of Educational Facilities		Junior High School		17
	Elementary School		1		High School		0		Elemental School		21
	Number of Medical Facilities		Emergency Hospital (middle size hospital)		0		Number of Medical Facilities		Emergency Hospital (middle size hospital)		1
	Clinic (small size hospital)		2		Hospital for Serious Patients (large size hospital)		0		Clinic (small size hospital)		15
	Number of Daily Life Facilities		Bank		0		Number of Daily Life Facilities		Bank		2
	Post Office		1		Market		0		Post Office		1
	Bus Stop		0		Public Offices (Town Hall branch, etc.)		1 (Commune People Committee)		Bus Stop		0
	Main Land Use	Rice Field, Vegetable Farm, Fruit Farm				Detail of products sent to markets through the bridge location (Name of the products, total amount/price per year of each product): Rice and all kind of food: 900,000,000dong/year					
Main Production	Agriculture, Forestry										
Present Condition of Access Road	Road Class	National / Provincial / District / Others ()				Road Width: 5	Average Road Width 5 m,		Average Carriage Way Width 3.5 m		
	Surface Type	Concrete / Asphalt / Bitumen Seal / Gravel / Soil / Others ()				Actual Road Condition		Bad			
	Average Traffic Volume (car/day)	Big Bus	Small Bus	Passenger Car	Motor Bike	Big Track	Small Track	Cart (drawn by animals)	Bicycle and pedestrian	Boat	
	Place of Bottleneck	Narrow Width Section				Minimum Width		4 m		Traffic Control Up to H13X60 tone	
	Remarks	Detail of bottlenecks in the access roads:									
Relevant Development Plan	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	Priority :						
	District Level	Yes	Yes	Yes	1 2 3 4 5 6						
	Province Level	Yes	Yes	Yes	Reason of the priority :						
						If no construction of bridge, the local people wanting access to commune have to go by-pass of 10km in length, possible access in dry season					
River Condition	Low Water Level	Depth m	River Width 30 m	River Gradient (Estimate) 5%							
	Highest Flood	Depth m	River Width 45 m	Year of the Flood							
		Velocity m/sec		Moderate flow							
	Tidal effects	Have / No		River Bed Material							
	Bridge Surface Elevation	m from Average Height of River Bed		Gravel							
	Navigation to be considered	Yes or No m number and type of ships:									
	Up Stream Side	Special Remarks									
Down Stream Side	Special Remarks										
Bridge Construction	Transportation Route	Nh6, Sap Vat - Phuong Con (100m)				Other Additional Information to be Noted					
	Carrying Method	Trailer Truck				1. Current bridge maintenance budget and system					
	Road Condition for Transportation	Possible with small Repair				The local people repaired themselves the bridge					
	Any Bottleneck for Transportation	No				2 Current and expected projects by other donors (WB, ADB, JBIC, etc.)					
	Offering for Piers	Earth Bank with Sand Bags / No Need (No water in dry season)				No					
	Steel Girder Erection	Suitable for Bent and Truck Crane Method Yes									
	Foundation Type	Spread Foundation									
Expected Work Hinder	The construction progress is to be effected if construction in rainy season										
Remark											

QUESTIONNAIRE ON REQUESTED BRIDGES

Date of Answer: March / 16 / 2006

Name of Respondent: Nguyen Van Nu

Title of Respondent: Deputy Director of Transport Management Division

Bridge No.	No. 03	Bridge Name	Ban Tum	Province Name	Son La	Road Network around the Bridge (conceptual map)				
Bridge Location	The Road on which the bridge exist			Nearest City (with population over 20,000)						
	Road Name		Station of the Bridge	Name of the City		Distance From the Bridge				
	Yen Chau town - Chieng Khoa		Km 2+100	Yen Chau town		2km				
Present Condition of Bridge	Bridge Length	40 m	Span	(40 m+ m+ m+ m+ m)						
	Bridge Width	1.8 m	Carriage Way Width	1.6 m						
	Superstructure Type	Suspension Bridge								
	Substructure Type	Nile								
	Present Condition (Eye Check)	Weak								
	Necessity of Reconstruction	Yes Reason: Due to old sspension bridge to serve the motorbike, bicycle and pedestrian, but vehicle have to use causeway, impossible access in rainy season								
Number of Days of Closed to Traffic	Vehicle / Bike etc.: 365 days/year. pedestrian or Bicycle: 365 days/year									
Actual State of Social Economic	Information of Villages Beyond the Bridge				Information of the Nearest City (with population over 20,000)					
	Number of Village	6 villages	Name of Regional Town	Ban Tum	Name of City	Yen Chau town	Access Time from the Bridge	10 minutes		
	Population	2870 persons	Number of Household	571 households	Population of City	62854 persons	Number of Household	13666 households		
	Average Income	180,000ng/month	Population Ratio of Minority	100	Average Income	333,000ng/month	Access Time from the main village beyond the bridge site (by general means of trip for the residents)	10 minutes		
	Rate of School Attendance (Elementary School)	7 %	Rate of School Attendance (Junior High School)	7	Remarks	By				
	Number of Educational Facilities		Junior High School		Number of Educational Facilities		Junior High School		17	
	Elementary School		1		High School		0		21	
	Number of Medical Facilities		Emergency Hospital (middle size hospital)		Number of Medical Facilities		Emergency Hospital (middle size hospital)		1	
	Clinic (small size hospital)		1		Hospital for Serious Patients (large size hospital)		0		15	
	Number of Daily Life Facilities		Bank		Number of Daily Life Facilities		Bank		2	
	Post Office		1		Market		0		1	
	Bus Stop		0		Public Offices (Town Hall branch, etc.)		1		0	
	Main Land Use	Rice Field, Vegetable Farm, Fruit Farm			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					
	Main Production	Agriculture, Forestry								
Present Condition of Access Road	Road Class	District road			Road Width: 5	Average Road Width	5 m	Average Carriage Way Width	m3.5	
	Surface Type	Soil			Actual Road Condition	Bad				
	Average Traffic Volume (car/day)	Big Bus	Small Bus	Passenger Car	Motor Bike	Big Track	Small Track	Cart (drawn by animals)	Bicycle and pedestrian	Boat
		0	0	0	60	0	12	0	40	0
	Place of Bottleneck	Narrow Width Section			Minimum Width	4 m		Traffic Control	Up to H13X60 tone	
	Remarks	Detail of bottlenecks in the access roads.								
Relevant Development Plan	Village Level	Road Network Plan	Traffic Infrastructure	Master Plan	Other Infrastructure	Priority of this bridge among the proposed bridges in this province				
		No	No	No	No	Priority:				
	District Level	Material No.	Material No.	Material No.	Material No.	1 2 3 4 5 6				
		Yes	Yes	Yes	Yes	X				
	Province Level	Material No.	Material No.	Material No.	Material No.	Reason of the priority:				
		Yes	Yes	Yes	Yes	At this location, there is suspension bridge to serve motorbike, bicycle and pedestrian. Vehicle have to use the causeway, in rainy season, impossible access.				
River Condition	Low Water Level	Depth	m	River Width	35 m	River Gradient (Estimate)				
	Highest Flood	Depth	m	River Width	50 m	Year of the Flood	4%			
		Velocity	m/sec					Moderate flow		
	Tidal effects	No			River Bed Material					
	Bridge Surface Elevation	m from Average Height of River Bed			Gravel					
	Navigation to be considered	No			m number and type of ships: 0					
	Up Stream Side	Special Remarks								
	Down Stream Side	Special Remarks								
Bridge Construction	Transportation of Steel Girder from the Provincial Capital	Transportation Route	~ ~							
		Carrying Method	Trailer Truck							
		Road Condition for Transportation	Possible with small Repair							
	Any Bottleneck for Transportation: There is other road, no bottleneck for transport									
	Bridge Construction	Coffering for Piers	Earth Bank with Sand Bags / No Need (No water in dry season)							
		Steel Girder Erection	Suitable for Bent and Truck Crane Method Yes							
Foundation Type		Spread Foundation								
(Assumption)										
Expected Work Hinder										
Remark										
						Other Additional Information to be Noted				
						1. Current bridge maintenance budget and system				
						Repairing work for bridge has been carried out by the local people to serve the travelling				
						2. Current and expected projects by other donors (WB, ADB, JBIC, etc.)				
						No				

QUESTIONNAIRE ON REQUESTED BRIDGES

Date of Answer: March / 13 /2006

Name of Respondent: Nguyen Van Nu

Title of Respondent: Vice Director of Transport Management Division

Bridge No.	No. 04	Bridge Name	Na Do	Province Name	Son La	Road Network around the Bridge (conceptual map)				
Bridge Location	The Road on which the bridge exist			Nearest City (with population over 20,000)						
	Road Name		Station of the Bridge	Name of the City		Distance From the Bridge				
	Chieng Khoa - Muong Men		Km 0+550	Moc Chau town		25.5				
Present Condition of Bridge	Bridge Length	m		Span	(m+ m+ m+ m+ m)					
	Bridge Width	m		Carriage Way Width	m					
	Superstructure Type	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)	Good / Old / Weak / Non Serious Damage / Serious Damage / Flow Out / Other ()								
	Necessity of Reconstruction	Yes Reason: No bridge (only temporary causeway); To socio-economic development. ()								
Number of Days of Closed to Traffic	Vehicle / Bike etc. : 90 days/year.				pedestrian or Bicycle : 90 days/year					
Actual State of Social Economic	Information of Villages Beyond the Bridge				Information of the Nearest City (with population over 20,000)					
	Number of Village	19 villages		Name of Regional Town	Na Do village	Name of City	Moc Chau town	Access Time from the Bridge	50 minutes	
	Population	7500 persons		Number of Household	1498 households	Population of City	144206 persons	Number of Household	30508 households	
	Average Income	180,000ng/month		Population Ratio of Minority	100	Average Income	360,000ng/month	Access Time from the main village beyond the bridge site (by general means of trip for the residents)	10 minutes	
	Rate of School Attendance (Elementary School)	5.3		Rate of School Attendance (Junior High School)	5.3	Remarks	By			
	Number of Educational Facilities		Junior High School		2	Number of Educational Facilities		Junior High School	5	
	Elementary School		High School		0	Elementary School		45	High School	3
	Number of Medical Facilities		Emergency Hospital (middle size hospital)		0	Number of Medical Facilities		Emergency Hospital (middle size hospital)	2	
	Clinic (small size hospital)		Hospital for Serious Patients (large size hospital)		0	Clinic (small size hospital)		27	Hospital for Serious Patients (large size hospital)	0
	Number of Daily Life Facilities		Bank		0	Number of Daily Life Facilities		Bank	4	
	Post Office		Market		0	Post Office		2	Market	3
	Bus Stop		Public Offices (Town Hall branch, etc.)		2	Bus Stop		0	Public Offices (Town Hall branch, etc.)	32
	Main Land Use	Rice Field, Fruit Farm, Forest		Detail of products sent to markets through the bridge location (Name of the products, total amount/price per year of each product): Food: one billion/ year						
Main Production	Agriculture, Forestry									
Present Condition of Access Road	Road Class	District road			Road: 5 Width	Average Road Width 5 m,		Average Carriage Way Width 3.5 m		
	Surface Type	Concrete / Asphalt / Bitumen Seal / Gravel / Soil / Others ()			Actual Road Condition	Good / Normal / Bad / Poor / Others ()				
	Average Traffic Volume (car/day)	Big Bus	Small Bus	Passenger Car	Motor Bike	Big Truck	Small Truck	Cart (drawn by animals)	Bicycle and pedestrian	Boat
		0	0	0	300	3	15	10	20	
	Place of Bottleneck	Bridge / Tunnel / Narrow Width Section / Others ()			Minimum Width	0.5 m		Traffic Control	Up to H13-X60 tone	
Remarks	Detail of bottlenecks in the access roads:									
Relevant Development Plan	Village Level	Road Network Plan	Traffic Infrastructure	Master Plan	Other Infrastructure	Priority of this bridge among the proposed bridges in this province				
		No	No	No	No	Priority:				
	District Level	Material No.	Material No.	Material No.	Material No.	1 2 3 4 5 6				
		Yes	Yes	Yes	Yes	X				
	Province Level	Material No.	Material No.	Material No.	Material No.	Reason of the priority:				
Yes		Yes	Yes	Yes	Due to only way, all local people have to use this bridge to access to center of commune and district					
River Condition	Low Water Level	Depth	m	River Width	15 m	River Gradient (Estimate)	7%			
	Highest Flood	Depth	m	River Width	35 m	Year of the Flood				
		Velocity	m/sec		Rapid flow					
	Tidal effects	No		River Bed Material						
	Bridge Surface Elevation	m from Average Height of River Bed			Gravel					
	Navigation to be considered	No m number and type of ships:								
	Up Stream Side	Special Remarks								
Down Stream Side	Special Remarks									
Bridge Construction	Transportation of Steel Girder from the Provincial Capital	Transportation Route	NH6; NH43; PR101, Chieng Khoa - Muong Men district road							
		Carrying Method	Trailer Truck							
		Road Condition for Transportation	Possible with small Repair							
	Any Bottleneck for Transportation ()									
	Bridge Construction	Coffering for Piers	Earth Bank with Sand Bags / No Need (No water in dry season)							
		Steel Girder Erection	Suitable for Bent and Truck Crane Method Yes							
Foundation Type		Spread Foundation								
(Assumption)	/ Special Foundation ()									
Expected Work Hinder	Rainy season in a long time to effect the construction progress									
Remark										
Other Additional Information to be Noted										
1. Current bridge maintenance budget and system										
No										
2. Current and expected projects by other donors (WB, ADB, JBIC, etc.)										
No										

QUESTIONNAIRE ON REQUESTED BRIDGES

Date of Answer: March / /2006

Name of Respondent: _____

Title of Respondent: _____

Bridge No.	No. 05	Bridge Name	Na Tra	Province Name	Son La	Road Network around the Bridge (conceptual map)					
Bridge Location	The Road on which the bridge exist			Nearest City (with population over 20,000)							
	Road Name		Station of the Bridge	Name of the City		Distance From the Bridge					
	Chieng Khoa - Muong Men		Km 4	Moc Chau town		29.5km					
Present Condition of Bridge	Bridge Length	m	Span	(m+ m+ m+ m+ m)							
	Bridge Width	m	Carriage Way Width								
	Superstructure Type	No bridge									
	Substructure Type	RC Column / RC Pile / Wooden Pile / Masonry / Nile / Other ()									
	Present Condition (Eye Check)	Good / Old / Weak / Non Serious Damage / Serious Damage / Flow Out / Other ()									
	Necessity of Reconstruction	Yes Reason: No bridge, only soil causeway, The people of Muong Men and Quang Minh are using this causeway ()									
Number of Days of Closed to Traffic	Vehicle / Bike etc.: 90 days/year,		pedestrian or Bicycle: 90 days/year								
Actual State of Social Economic	Information of Villages Beyond the Bridge				Information of the Nearest City (with population over 20,000)						
	Number of Village	17 villages	Name of Regional Town	Na Tra	Name of City	Moc Chau town	Access Time from the Bridge	60 minutes			
	Population	6800 persons	Number of Household	1298 households	Population of City	144206 persons	Number of Household	30508 households			
	Average Income	180,000 dong/month	Population Ratio of Minority	100 %	Average Income	360,000 dong/month	Access Time from the main village beyond the bridge site (by general means of trip for the residents)	15 minutes			
	Rate of School Attendance (Elementary School)	5.3	Rate of School Attendance (Junior High School)	5.3	Remarks						
	Number of Educational Facilities		Junior High School		2		Number of Educational Facilities		Junior High School		5
	Elementary School		2		High School		0		Elementary School		45
	Number of Medical Facilities		Emergency Hospital (middle size hospital)		0		Number of Medical Facilities		Emergency Hospital (middle size hospital)		2
	Clinic (small size hospital)		2		Hospital for Serious Patients (large size hospital)		0		Clinic (small size hospital)		27
	Number of Daily Life Facilities		Bank		0		Number of Daily Life Facilities		Bank		4
	Post Office		2		Market		0		Post Office		2
	Bus Stop		0		Public Offices (Town Hall branch, etc.)		2		Bus Stop		0
	Main Land Use	Rice Field, Fruit Farm, Forest			Detail of products sent to markets through the bridge location (Name of the products, total amount/price per year of each product): Foods: 1 billion dong/year						
Main Production	Agriculture, Forestry										
Present Condition of Access Road	Road Class	National / Provincial / District / Others ()			Road Width: 5	Average Road Width 5 m,		Average Carriage Way Width 3.5 m			
	Surface Type	Concrete / Asphalt / Bitumen Seal / Gravel / Soil / Others ()			Actual Road Condition	Normal					
	Average Traffic Volume (car/day)	Big Bus	Small Bus	Passenger Car	Motor Bike	Big Truck	Small Truck	Cart (drawn by animals)	Bicycle and pedestrian	Boat	
		0	0	0	300	3	15	10	20		
	Place of Bottleneck	Bridge / Tunnel / Narrow Width Section / Others ()			Minimum Width	0.6 m		Traffic Control	Up to 20 tone		
	Remarks	Detail of bottlenecks in the access roads:									
Relevant Development Plan	Village Level	Road Network Plan	Traffic Infrastructure	Master Plan	Other Infrastructure	Priority of this bridge among the proposed bridges in this province					
		No	No	No	No	Priority:					
	District Level	Yes	Yes	Yes	Yes	1 2 3 4 5 6					
	Province Level	Yes	Yes	Yes	Yes	X					
		Material No. 4837/QD-UB	Material No.	Material No.	Material No.	Reason of the priority:					
The local people of Muong Men and Quang Minh have to use this bridge to access to Chieng Khoa and Moc Chau town											
River Condition	Low Water Level	Depth m	River Width m	River Gradient (Estimate)	6%						
	Highest Flood	Depth m	River Width m	Year of the Flood							
		Velocity m/sec		Rapid flow							
	Tidal effects	No			River Bed Material						
	Bridge Surface Elevation	m from Average Height of River Bed			Silt / Fine Sand / Sand / Gravel / Boulder / Rock						
	Navigation to be considered	No m number and type of ships:			0						
	Up Stream Side	Special Remarks									
Down Stream Side	Special Remarks										
Bridge Construction	Transportation of Steel Girder from the Provincial Capital	Transportation Route	NH6, PR101, DR: Chieng Khoa - Muong Men			Other Additional Information to be Noted					
		Carrying Method	Trailer Truck			1. Current bridge maintenance budget and system					
		Road Condition for Transportation	Possible with small Repair			No					
	Bridge Construction	Any Bottleneck for Transportation ()									
		Coffering for Piers	Earth Bank with Sand Bags / 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						
Foundation Type	Spread Foundation										
(Assumption) / Special Foundation ()											
Expected Work Hinder											
Remark											

QUESTIONNAIRE ON REQUESTED BRIDGES

Date of Answer: March / /2006

Name of Respondent: _____

Title of Respondent: _____

Bridge No.	No. 06	Bridge Name	Ban Pang	Province Name	Son La	Road Network around the Bridge (conceptual map)									
Bridge Location	The Road on which the bridge exist			Nearest City (with population over 20,000)											
	Road Name		Station of the Bridge		Name of the City		Distance From the Bridge								
	Chieng Khoa - Muong Men		Km 8		Moc Chau town		33								
Present Condition of Bridge	Bridge Length	m		Span	(m+ m+ m+ m+ m)										
	Bridge Width	m		Carriage Way Width	m										
	Superstructure Type	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)	Good / Old / Weak / Non Serious Damage / Serious Damage / Flow Out / Other ()													
	Necessity of Reconstruction	Yes Reason: No bridge, there is the natural soil causeway only, can not access by this causeway during rainy season. ()													
Number of Days of Closed to Traffic	Vehicle / Bike etc. : 90 days/year, pedestrian or Bicycle : 90 days/year														
Actual State of Social Economic	Information of Villages Beyond the Bridge				Information of the Nearest City (with population over 20,000)										
	Number of Village	16 villages		Name of Regional Town	Ban Pang		Name of City	Moc Chau town		Access Time from the Bridge	60 minutes				
	Population	6400 persons		Number of Household	1190 households		Population of City	144206 persons		Number of Household	30505 households				
	Average Income	180,000ng/month		Population Ratio of Minority	100		Average Income	360,000ng/month		Access Time from the main village beyond the bridge site (by general means of trip for the residents)	25 minutes				
	Rate of School Attendance (Elementary School)	5.3		Rate of School Attendance (Junior High School)	5.3		Remarks								
	Number of Educational Facilities			Junior High School		2		Number of Educational Facilities			Junior High School		5		
	Elementary School			12		High School		0		Elemental School			15		
	Number of Medical Facilities			Emergency Hospital (middle size hospital)		0		Number of Medical Facilities			Emergency Hospital (middle size hospital)		2		
	Clinic (small size hospital)			2		Hospital for Serious Patients (large size hospital)		0		Clinic (small size hospital)			Hospital for Serious Patients (large size hospital)	0	
	Number of Daily Life Facilities			Bank		0		Number of Daily Life Facilities			Bank		4		
	Post Office			2		Market		0		Post Office			Market	3	
	Bus Stop			0		Public Offices (Town Hall branch, etc.)		2		Bus Stop			Public Offices (Town Hall branch, etc.)	32	
Main Land Use	Rice Field, Fruit Farm, Forest				Detail of products sent to markets through the bridge location (Name of the products, total amount/price per year of each product)										
Main Production	Agriculture, Forestry														
Present Condition of Access Road	Road Class	District road				Road Width: 5m	Average Road Width 5 m,		Average Carriage Way Width 3.5 m						
	Surface Type	Gravel				Actual Road Condition	Bad, Poor								
	Average Traffic Volume (car/day)	Big Bus 0		Small Bus 0		Passenger Car 0		Motor Bike 300		Big Track 3	Small Track 15		Cart (drawn by animals) 10	Bicycle and pedestrian 20	Boat
	Place of Bottleneck	Bridge / Tunnel / Narrow Width Section / Others ()				Minimum Width	0.6 m		Traffic Control		Up to 20 tone				
	Remarks	Detail of bottlenecks in the access roads:													
Relevant Development Plan	Road Network Plan					Priority of this bridge among the proposed bridges in this province									
	Village Level	No	No	No	No	Priority : 1 2 3 4 5 6									
	District Level	Yes	Yes	Yes	Yes	X									
	Province Level	Yes	Yes	Yes	Yes	Reason of the priority : All local people of Muong Men and Quang Minh communes are using this bridge and during rainy season impossible access.									
	Material No.	4837/QD-UB	Material No.	Material No.	Material No.	Material No.									
River Condition	Low Water Level	Depth m	River Width 10 m	River Gradient (Estimate) 5%											
	Highest Flood	Depth m	River Width 40 m	Year of the Flood											
		Velocity 1.78 m/sec	Rapid flow												
	Tidal effects	No		River Bed Material											
	Bridge Surface Elevation	m from Average Height of River Bed		Gravel											
	Navigation to be considered	No		m number and type of ships:		0									
	Up Stream Side	Special Remarks													
Down Stream Side	Special Remarks														
Bridge Construction	Transportation of Steel Girder from the Provincial Capital	Transportation Route	NH6, NH43, PR101, DR Chieng Khoa - Muong Men				Other Additional Information to be Noted								
		Carrying Method	Trailer Truck				1. Current bridge maintenance budget and system								
		Road Condition for Transportation	Possible with small Repair				No								
		Any Bottleneck for Transportation ()					2. Current and expected projects by other donors (WB, ADB, JBIC, etc.)								
	Bridge Construction	Coffering for Piers	Earth Bank with Sand Bags / No Need (No water in dry season)				No								
		Steel Girder Erection	Suitable for Bent and Truck Crane Method No												
Foundation Type		Spread Foundation													
(Assumption)	/ Special Foundation ()														
Expected Work Hinder	Rainy season lasts a long time effecting construction progress														
Remark															

QUESTIONNAIRE ON REQUESTED BRIDGES

Date of Answer: March / /2006

Name of Respondent: _____

Title of Respondent: _____

Bridge No.	No. 7	Bridge Name	Na Phat	Province Name	Dien Bien	Road Network around the Bridge (conceptual map)					
Bridge Location	The Road on which the bridge exist			Nearest City (with population over 20,000)							
	Road Name		Station of the Bridge		Name of the City		Distance From the Bridge				
	Na Son - Su Dung		Km 3+800		Dien Bien city		58km				
Present Condition of Bridge	Bridge Length	m	Span	(m+ m+ m+ m+ m)							
	Bridge Width	m	Carriage Way Width								
	Superstructure Type	Suspension bridge									
	Substructure Type	RC Column / RC Pile / Wooden Pile / Masonry / Nile / Other ()									
	Present Condition (Eye Check)	Good / Old / Weak / Non Serious Damage / Serious Damage / Flow Out / Other ()									
	Necessity of Reconstruction	Yes Reason : Travelling between communes									
Number of Days of Closed to Traffic	Vehicle / Bike etc. : 30 days/year.		pedestrian or Bicycle : _____ days/year								
Actual State of Social Economic	Information of Villages Beyond the Bridge				Information of the Nearest City (with population over 20,000)						
	Number of Village	10 villages		Name of Regional Town	Na Phat	Name of City	Dien Bien	Access Time from the Bridge	120 minutes by bus		
	Population	8500 persons		Number of Household	1060 households	Population of City	persons	Number of Household	households		
	Average Income	162,000ng/month		Population Ratio of Minority		Average Income	Dong/month	Access Time from the main village beyond the bridge site (by general means of trip for the residents)	minutes		
	Rate of School Attendance (Elementary School)	15.1 %		Rate of School Attendance (Junior High School)	6.1 %	Remarks					
	Number of Educational Facilities			Junior High School		Number of Educational Facilities			Junior High School		
	Elementary School	4		High School		Elemental School			High School		
	Number of Medical Facilities			Emergency Hospital (middle size hospital)		Number of Medical Facilities			Emergency Hospital (middle size hospital)		
	Clinic (small size hospital)	2		Hospital for Serious Patients (large size hospital)		Clinic (small size hospital)			Hospital for Serious Patients (large size hospital)		
	Number of Daily Life Facilities			Bank		Number of Daily Life Facilities			Bank		
	Post Office	2		Market		Post Office			Market		
	Bus Stop	0		Public Offices (Town Hall branch, etc.)		Bus Stop			Public Offices (Town Hall branch, etc.)		
	Main Land Use	Rice Field				Detail of products sent to markets through the bridge location (Name of the products, total amount/price per year of each product)					
Main Production	Agriculture										
Present Condition of Access Road	Road Class	District road			Road Width: 4.5	Average Road Width _____ m, Average Carriage Way Width _____ m					
	Surface Type	Concrete / Asphalt / Bitumen Seal / Gravel / Soil / Others ()			Actual Road Condition	Good / Normal / Bad / Poor / Others ()					
	Average Traffic Volume (car/day)	Big Bus	Small Bus	Passenger Car	Motor Bike	Big Track	Small Track	Cart (drawn by animals)	Bicycle and pedestrian	Boat	
		0	0	0	200	5	5	0		0	
	Place of Bottleneck	Bridge / Tunnel / Narrow Width Section / Others ()			Minimum Width	_____ m		Traffic Control	Up to _____ tone		
	Remarks	Detail of bottlenecks in the access roads:									
Relevant Development Plan		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	X					
		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.							
River Condition	Low Water Level	Depth 762.9 m	River Width 20 m	River Gradient (Estimate) 5%							
	Highest Flood	Depth 774.9 m	River Width m100	Year of the Flood 1997							
		Velocity _____ m/sec	Rapid flow / Moderate flow / Slow flow								
	Tidal effects	Have / No		River Bed Material							
	Bridge Surface Elevation	_____ m from Average Height of River Bed		Sand, Gravel							
	Navigation to be considered	Yes or No	_____ m		number and type of ships: 0						
	Up Stream Side	Special Remarks	The hydroelectric Plant is far from bridge of 500m								
Down Stream Side	Special Remarks										
Bridge Construction	Transportation of Steel Girder from the Provincial Capital	Transportation Route	Dien Bien - Na Son - Na Phat			Other Additional Information to be Noted					
		Carrying Method	Trailer Truck								
		Road Condition for Transportation	Suitable								
	Any Bottleneck for Transportation: No ()										
	Bridge Construction	Coffering for Piers	Earth Bank with Sand Bags, River Diversion / No Need (No water in dry season)								
		Steel Girder Erection	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											
Remark											

QUESTIONNAIRE ON REQUESTED BRIDGES

Date of Answer: March / /2006

Name of Respondent: _____

Title of Respondent: _____

Bridge No.	No. 8	Bridge Name	Pa bat	Province Name	Dien Bien	Road Network around the Bridge (conceptual map)							
Bridge Location	The Road on which the bridge exist			Nearest City (with population over 20,000)									
	Road Name		Station of the Bridge		Name of the City		Distance From the Bridge						
	Su Lu - Pa Vat		Km 14		Dien Bien		68						
Present Condition of Bridge	Bridge Length	m		Span	(m+ m+ m+ m+ m)								
	Bridge Width	m		Carriage Way Width	m								
	Superstructure Type	Cable bridge(3.5m width; 100m in length)											
	Substructure Type	RC Column / RC Pile / Wooden Pile / Masonry / Nile / Other ()											
	Present Condition (Eye Check)	Weak											
	Necessity of Reconstruction	Yes Reason: To access from commuens to district)											
	Number of Days of Closed to Traffic	Vehicle / Bike etc. :		days/year:		pedestrian or Bicycle :		days/year					
Actual State of Social Economic	Information of Villages Beyond the Bridge				Information of the Nearest City (with population over 20,000)								
	Number of Village	71 villages		Name of Regional Town	No		Name of City	Dien Bien	Access Time from the Bridge	180 minutes by bus			
	Population	16960 persons		Number of Household	2354 households		Population of City	persons	Number of Household	households			
	Average Income	182,000ng/month		Population Ratio of Minority			Average Income	Dong/month	Access Time from the main village beyond the bridge site (by general means of trip for the residents)	minutes			
	Rate of School Attendance (Elementary School)	15.1		Rate of School Attendance (Junior High School)	6.1		Remarks	By					
	Number of Educational Facilities			Junior High School			Number of Educational Facilities			Junior High School			
	Elementary School			High School			Elemental School			High School			
	Number of Medical Facilities			Emergency Hospital (middle size hospital)			Number of Medical Facilities			Emergency Hospital (middle size hospital)			
	Clinic (small size hospital)			6			Clinic (small size hospital)			Hospital for Serious Patients (large size hospital)			
	Number of Daily Life Facilities			Bank			Number of Daily Life Facilities			Bank			
	Post Office			7			Post Office			Market			
	Bus Stop			1			Bus Stop			Public Offices (Town Hall branch, etc.)			
Main Land Use	Rice Field)												
Main Production	Agriculture												
Present Condition of Access Road	Road Class	District Road				Road Width	Average Road Width 4.5 m		Average Carriage Way Width m				
	Surface Type	Concrete / Asphalt / Bitumen Seal / Gravel / Soil / Others ()				Actual Road Condition	Good / Normal / Bad / Poor / Others ()						
	Average Traffic Volume (car/day)	Big Bus		Small Bus		Passenger Car		Motor Bike					
					2		500		5 to 10		5 to 10		
									0		0		
	Place of Bottleneck	Bridge / Tunnel / Narrow Width Section / Others ()				Minimum Width	m		Traffic Control		Up to tone		
Remarks	Detail of bottlenecks in the access roads:												
Relevant Development Plan	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		X			
	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.							
River Condition	Low Water Level	Depth	525 m	River Width	60 m	River Gradient (Estimate)		5%					
	Highest Flood	Depth	532 m	River Width	100 m	Year of the Flood		1997					
		Velocity	2 m/sec		Rapid flow / Moderate flow / Slow flow								
	Tidal effects	No			River Bed Material								
	Bridge Surface Elevation	m from Average Height of River Bed				Sand, Gravel, Boulder, Rock							
	Navigation to be considered	Yes or No		m		number and type of ships:		0					
	Up Stream Side	Special Remarks		No									
Down Stream Side	Special Remarks		No										
Bridge Construction	Transportation of Steel Girder from the Provincial Capital	Transportation Route	Dien Bien _om Let _ Su Lu - Pa Bat			Carrying Method	Trailer Truck		Other Additional Information to be Noted				
	Road Condition for Transportation		Possible with small Repair		Any Bottleneck for Transportation ()				1. Current bridge maintenance budget and system				
	Bridge Construction	Coffering for Piers	Sheet Pile, Earth Bank with Sand Bags / 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)										
		Foundation Type	RC Pile (L > 15m)										
	(Assumption)	/ Special Foundation ()											
Expected Work Hinder													
Remark													

QUESTIONNAIRE ON REQUESTED BRIDGES

Date of Answer: March / /2006

Name of Respondent: _____

Title of Respondent: _____

Bridge No.	No. 9	Bridge Name	Su Lu	Province Name	Dien Bien	Road Network around the Bridge (conceptual map)														
Bridge Location	The Road on which the bridge exist			Nearest City (with population over 20,000)																
	Road Name		Station of the Bridge		Name of the City		Distance From the Bridge													
	Pom lot - Su Lu - road 130		Km 4+500		Dien Bien city		54													
Present Condition of Bridge	Bridge Length	m		Span	(m+ m+ m+ m+ m)															
	Bridge Width	m		Carriage Way Width	m															
	Superstructure Type	Suspension bridge																		
	Substructure Type	RC Column / RC Pile / Wooden Pile / Masonry / Nile / Other ()																		
	Present Condition (Eye Check)	Good / Old / Weak / Non Serious Damage / Serious Damage / Flow Out / Other: Causeway																		
	Necessity of Reconstruction	Yes Reason: Connecting to district from communes ()																		
Number of Days of Closed to Traffic	Vehicle / Bike etc. :	30		days/year.	pedestrian or Bicycle :	days/year														
Actual State of Social Economic	Information of Villages Beyond the Bridge					Information of the Nearest City (with population over 20,000)														
	Number of Village	114		villages	Name of Regional Town	Su Lu		Name of City			Access Time from the Bridge	120 minutes by bus								
	Population	33403		persons	Number of Household	4080		households	Population of City	persons		Number of Household	households							
	Average Income	162,000		ng/month	Population Ratio of Minority			%	Average Income	Dong/month		Access Time from the main village beyond the bridge site (by general means of trip for the residents)	minutes							
	Rate of School Attendance (Elementary School)	15.1		%	Rate of School Attendance (Junior High School)	6.1		%	Remarks			By								
	Number of Educational Facilities				Junior High School				Number of Educational Facilities				Junior High School							
	Elementary School				High School				Elemental School				Dien Ban town High School							
	Number of Medical Facilities				Emergency Hospital (middle size hospital)				Number of Medical Facilities				Emergency Hospital (middle size hospital)							
	Clinic (small size hospital)				9				Hospital for Serious Patients (large size hospital)				Clinic (small size hospital)				Hospital for Serious Patients (large size hospital)			
	Number of Daily Life Facilities				Bank				Number of Daily Life Facilities				Bank							
	Post Office				9				Market				2							
	Bus Stop				9				Public Offices (Town Hall branch, etc.)				9							
	Main Land Use				Rice Field / Vegetable Farm / Fruit Farm / Forest / Meadow / Swamp / Others ()				Detail of products sent to markets through the bridge location (Name of the products, total amount/price per year of each product)											
Main Production				Agriculture / Forestry / Industry / Commerce / Fishily / Others ()																
Present Condition of Access Road	Road Class	National / Provincial / District / Others ()					Road Width:	7		Average Road Width	m,		Average Carriage Way Width	3.5 m						
	Surface Type	Concrete / Asphalt / Bitumen Seal / Gravel / Soil / Others ()					Actual Road Condition	Good / Normal / Bad / Poor / Others ()												
	Average Traffic Volume (car/day)	Big Bus		Small Bus		Passenger Car	Motor Bike		Big Track	Small Track		Cart (drawn by animals)	Bicycle and pedestrian		Boat					
					4		500		10 to 15	8 to 10		0		0						
	Place of Bottleneck	Bridge / Tunnel / Narrow Width Section / Others ()					Minimum Width	m		Traffic Control	Up to		tone							
	Remarks	Detail of bottlenecks in the access roads:																		
Relevant Development Plan	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.		Material No.		1 2 3 4 5 6									
	District Level		Yes		Yes		Yes		Yes		X									
	Material No.		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.		Material No.												
River Condition	Low Water Level	Depth	702.5 m		River Width	30 m		River Gradient (Estimate)	5%											
	Highest Flood	Depth	702 m		River Width	150 m		Year of the Flood	1997											
		Velocity	m/sec		Rapid flow / Moderate flow / Slow flow															
	Tidal effects	Have / No				River Bed Material														
	Bridge Surface Elevation	m from Average Height of River Bed				Sand, Gravel														
	Navigation to be considered	Yes or No		m		number and type of ships:		0												
	Up Stream Side	Special Remarks																		
Down Stream Side	Special Remarks																			
Bridge Construction	Transportation of Steel Girder from the Provincial Capital		Transportation Route		Dien Bien - Pom Let - Su Lu		Other Additional Information to be Noted													
	Carrying Method		Trailer Truck		1. Current bridge maintenance budget and system															
	Road Condition for Transportation		Suitable		2. Current and expected projects by other donors (WB, ADB, JBIC, etc.)															
	Any Bottleneck for Transportation:		No ()																	
	Coffering for Piers		/ No Need (No water in dry season)																	
	Steel Girder Erection		Suitable for Bent and Truck Crane Method (Yes / No)																	
Foundation Type		RC Pile (L > 15m)																		
(Assumption)		/ Special Foundation ()																		
Expected Work Hinder																				
Remark																				

QUESTIONNAIRE ON REQUESTED BRIDGES

Date of Answer: March / /2006

Name of Respondent: _____

Title of Respondent: _____

Bridge No.	No. 10	Bridge Name	Ban Bung	Province Name	Dien Bien	Road Network around the Bridge (conceptual map)				
Bridge Location	The Road on which the bridge exist			Nearest City (with population over 20,000)						
	Road Name	Station of the Bridge		Name of the City		Distance From the Bridge				
	Bung Lao - Lich Lan	Km 0+40		Town of tuan Giao Dist		19				
Present Condition of Bridge	Bridge Length	40 m	Span	(1 m+ m+ m+ m+ m)						
	Bridge Width	2 m	Carriage Way Width	1.8 m						
	Superstructure Type	Suspension bridge								
	Substructure Type	Masonry								
	Present Condition (Eye Check)	Good / Old / Weak / Non Serious Damage / Serious Damage / Flow Out / Other ()								
	Necessity of Reconstruction	Yes Reason: Due to suspension bridge, impossible access by vehicel)								
Number of Days of Closed to Traffic	Vehicle / Bike etc. : days/year, pedestrian or Bicycle : days/year									
Actual State of Social Economic	Information of Villages Beyond the Bridge				Information of the Nearest City (with population over 20,000)					
	Number of Village	26 villages	Name of Regional Town	Ban Bung	Name of City	Tuan Giao	Access Time from the Bridge	minutes		
	Population	8432 persons	Number of Household	1445 households	Population of City	persons	Number of Household	households		
	Average Income	140,000 ng/month	Population Ratio of Minority	95 %	Average Income	Dong/month	Access Time from the main village beyond the bridge site (by general means of trip for the residents)	minutes		
	Rate of School Attendance (Elementary School)	%	Rate of School Attendance (Junior High School)	%	Remarks		By			
	2		Junior High School	1	Number of Educational Facilities		Junior High School			
	Elementary School		High School	1	Elemental School	2	High School			
	1		Emergency Hospital (middle size hospital)	1	Number of Medical Facilities		Emergency Hospital (middle size hospital)			
	Clinic (small size hospital)	1	Hospital for Serious Patients (large size hospital)		Clinic (small size hospital)	2	Hospital for Serious Patients (large size hospital)			
	Number of Daily Life Facilities		Bank		Number of Daily Life Facilities		Bank			
	Post Office	1	Market	1	Post Office	1	Market			
	Bus Stop		Public Offices (Town Hall branch, etc.)		Bus Stop		Public Offices (Town Hall branch, etc.)			
	Main Land Use	Rice Field, Vegetable Farm, Forest			Detail of products sent to markets through the bridge location (Name of the products, total amount/price per year of each product): From 800-1000 tons of goods in kind					
Main Production	Agriculture									
Present Condition of Access Road	Road Class	District road			Road Width	Average Road Width 4 m, Average Carriage Way Width 3.0 m				
	Surface Type	Gravel			Actual Road Condition	Bad				
	Average Traffic Volume (car/day)	Big Bus	Small Bus	Passenger Car	Motor Bike	Big Track	Small Track	Cart (drawn by animals)	Bicycle and pedestrian	Boat
	Place of Bottleneck	Bridge / Tunnel / Narrow Width Section / Others ()			Minimum Width	m	Traffic Control	Up to tone		
	Remarks	Detail of bottlenecks in the access roads:								
Relevant Development Plan		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: 1 2 3 4 5 6				
		Material No.	Material No.	Material No.	Material No.	X				
	District Level	Yes / No	Yes / No	Yes / No	Yes / No	Reason of the priority:				
		Material No.	Material No.	Material No.	Material No.					
Province Level	Yes / No	Yes / No	Yes / No	Yes / No						
	Material No.	Material No.	Material No.	Material No.						
River Condition	Low Water Level	Depth 1,540.8 m	River Width 35 m	River Gradient (Estimate) 15%						
	Highest Flood	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 Average Height of River Bed		Silt, Fine Sand						
	Navigation to be considered	Yes or No	3 m	number and type of ships:		0				
Up Stream Side	Special Remarks	There is irrigational dam by RC far from 100m								
Down Stream Side	Special Remarks	Resident people living along two sides of river								
Bridge Construction	Transportation of Steel Girder from the Provincial Capital	Transportation Route	NH6A; NH279			Other Additional Information to be Noted				
		Carrying Method	Trailer Truck			1. Current bridge maintenance budget and system				
		Road Condition for Transportation	Suitable			District budget for maintenance				
		Any Bottleneck for Transportation ()				2. Current and expected projects by other donors (WB, ADB, JBIC, etc.)				
	Bridge Construction	Coffering for Piers	Sheet Pile / Earth Bank with Sand Bags / River Diversion / No Need (No water in dry season)							
		Steel Girder Erection	Suitable for Bent and Truck Crane Method Yes Required Other Specials Erection Methods ()							
Foundation Type		Spread Foundation / RC Pile (L < 15m) / RC Pile (L > 15m)								
(Assumption)	/ Special Foundation ()									
Expected Work Hinder	Construction site is narrow									
Remark										

QUESTIONNAIRE ON REQUESTED BRIDGES

Date of Answer: March / /2006

Name of Respondent: _____

Title of Respondent: _____

Bridge No.	No. 11	Bridge Name	Pac Nam	Province Name	Dien Bien	Road Network around the Bridge (conceptual map)						
Bridge Location	The Road on which the bridge exist			Nearest City (with population over 20,000)								
	Road Name		Station of the Bridge		Name of the City						Distance From the Bridge	
	Bung Lao - Lich Lan		Km 8+700		Tuan Giao town						27.7km	
Present Condition of Bridge	Bridge Length	40 m	Span	(1 m+ m+ m+ m+ m)								
	Bridge Width	2 m	Carriage Way Width				1.8 m					
	Superstructure Type	Suspension bridge										
	Substructure Type	RC Column / RC Pile / Wooden Pile / Masonry / Nile / Other ()										
	Present Condition (Eye Check)	Weak										
	Necessity of Reconstruction	Yes Reason: Travelling by causeway, impossible access in flood season										
	Number of Days of Closed to Traffic	Vehicle / Bike etc. : _____ days/year			pedestrian or Bicycle : _____ days/year							
Actual State of Social Economic	Information of Villages Beyond the Bridge					Information of the Nearest City (with population over 20,000)						
	Number of Village	18 villages	Name of Regional Town	Muong Lan	Name of City		Access Time from the Bridge	minutes				
	Population	5764 persons	Number of Household	925 households	Population of City	persons	Number of Household	households				
	Average Income	130,000ng/month	Population Ratio of Minority		Average Income	Dong/month	Access Time from the main village beyond the bridge site (by general means of trip for the residents)	minutes				
	Rate of School Attendance (Elementary School)	%	Rate of School Attendance (Junior High School)	%	Remarks							
	Number of Educational Facilities		Junior High School			1		Number of Educational Facilities		Junior High School		
	Elementary School		2			High School		Elementary School		2		
	Number of Medical Facilities		Emergency Hospital (middle size hospital)					Number of Medical Facilities		Emergency Hospital (middle size hospital)		
	Clinic (small size hospital)		1			Hospital for Serious Patients (large size hospital)		Clinic (small size hospital)		1		
	Number of Daily Life Facilities		Bank					Number of Daily Life Facilities		Bank		
	Post Office		1			Market		Post Office		1		
	Bus Stop					Public Offices (Town Hall branch, etc.)		Bus Stop		Public Offices (Town Hall branch, etc.)		
	Main Land Use	Rice Field, Vegetable Farm, Fruit Farm, Forest				Detail of products sent to markets through the bridge location (Name of the products, total amount/price per year of each product): 700-800 tons products in kind						
Main Production	Agriculture											
Present Condition of Access Road	Road Class	District road			Road Width	Average Road Width 4 m		Average Carriage Way Width 3.0 m				
	Surface Type	Gravel			Actual Road Condition	Bad						
	Average Traffic Volume (car/day)	Big Bus	Small Bus	Passenger Car	Motor Bike	400	Big Track	Small Track	Cart (drawn by animals)	Bicycle and pedestrian	Boat	
	Place of Bottleneck	Bridge / Tunnel / Narrow Width Section / Others ()				Minimum Width	m		Traffic Control	Up to _____ tone		
	Remarks	Detail of bottlenecks in the access roads:										
Relevant Development Plan		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: 1 2 3 4 5 6						
		Material No.	Material No.	Material No.	Material No.	X						
	District Level	Yes / No	Yes / No	Yes / No	Yes / No	Reason of the priority:						
		Material No.	Material No.	Material No.	Material No.							
River Condition	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 (Estimate) 15%								
	Highest Flood	Depth 1.644 m	River Width 35 m	Year of the Flood 1991								
		Velocity	m/sec		Moderate flow							
	Tidal effects	No			River Bed Material							
	Bridge Surface Elevation	m from Average Height of River Bed			Sand, Gravel, Rock							
Navigation to be considered	No			m number and type of ships: 0								
Up Stream Side	Special Remarks											
Down Stream Side	Special Remarks											
Bridge Construction	Transportation of Steel Girder from the Provincial Capital	Transportation Route	NH6A, NH279; Bung Lao - Lich Lan			Other Additional Information to be Noted 1. Current bridge maintenance budget and system 2. Current and expected projects by other donors (WB, ADB, JBIC, etc.)						
		Carrying Method	Trailer Truck									
		Road Condition for Transportation	Suitable									
		Any Bottleneck for Transportation ()										
	Bridge Construction	Coffering for Piers	Sheet Pile / Earth Bank with Sand Bags / River Diversion / No Need (No water in dry season)									
		Steel Girder Erection	Suitable for Bent and Truck Crane Method (Yes / No) Required Other Specials Erection Methods ()									
		Foundation Type	Spread Foundation / RC Pile (L < 15m) / RC Pile (L > 15m)									
(Assumption)	/ Special Foundation ()											
Expected Work Hinder												
Remark												

QUESTIONNAIRE ON REQUESTED BRIDGES

Date of Answer: March / /2006

Name of Respondent:

Title of Respondent: Director of Infrastructural Division

Bridge No.	No. 12	Bridge Name	Sao Thang	Province Name	Lai Chau	Road Network around the Bridge (conceptual map)							
Bridge Location	The Road on which the bridge exist			Nearest City (with population over 20,000)									
	Road Name		Station of the Bridge		Name of the City		Distance From the Bridge						
	Sao Thang - Ta Lang		Km 0+350		Lai Chau Town		7.5km						
Present Condition of Bridge	Bridge Length	Causeway	45 m	Span	(m+ m+ m+ m+ m)								
	Bridge Width		4 m	Carriage Way Width		3 m							
	Superstructure Type	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)	Good / Old / Weak / Non Serious Damage / Serious Damage / Flow Out / Other ()											
	Necessity of Reconstruction	Yes / No Reason ()											
Number of Days of Closed to Traffic	Vehicle / Bike etc. : 90 days/year, pedestrian or Bicycle : days/year												
Actual State of Social Economic	Information of Villages Beyond the Bridge				Information of the Nearest City (with population over 20,000)								
	Number of Village	15 villages		Name of Regional Town	Sao Thang		Name of City	Lai Chau		Access Time from the Bridge	90 minutes		
	Population	175 persons		Number of Household	37 households		Population of City	20000 persons		Number of Household	73000 households		
	Average Income	200,000ng/month		Population Ratio of Minority	100 %		Average Income	300,000ng/month		Access Time from the main village beyond the bridge site (by general means of trip for the residents)	minutes		
	Rate of School Attendance (Elementary School)	90 %		Rate of School Attendance (Junior High School)	85 %		Remarks						
	Number of Educational Facilities			Junior High School		0		Number of Educational Facilities			Junior High School		10
	Elementary School			1		High School		0		Elemental School			30
	Number of Medical Facilities			Emergency Hospital (middle size hospital)		0		Number of Medical Facilities			Emergency Hospital (middle size hospital)		1
	Clinic (small size hospital)			0		Hospital for Serious Patients (large size hospital)		0		Clinic (small size hospital)			6
	Number of Daily Life Facilities			Bank		1		Number of Daily Life Facilities			Bank		3
	Post Office			0		Market		1		Post Office			1
	Bus Stop			0		Public Offices (Town Hall branch, etc.)		0		Bus Stop			1
	Main Land Use			Rice Field, Vegetable Farm, Fruit Farm, Forest		Detail of products sent to markets through the bridge location (Name of the products, total amount/price per year of each product): Rice: 2,800dong/kg; Pork meat: 15,000-17,000 dong/kg							
	Main Production			Agriculture, Forestry, Industry, Commerce									
Present Condition of Access Road	Road Class	National road - rural road class B				Road Width: 7	Average Road Width 5 m		Average Carriage Way Width 3.5 m				
	Surface Type	Asphalt, Gravel				Actual Road Condition	Good / Normal / Bad / Poor / Others ()						
	Average Traffic Volume (car/day)	Big Bus	Small Bus	Passenger Car	Motor Bike	Big Track	Small Track	Cart (drawn by animals)	Bicycle and pedestrian	Boat			
	Place of Bottleneck	Bridge / Tunnel / Narrow Width Section / Others ()				Minimum Width	m		Traffic Control	Up to tone			
	Remarks	Detail of bottlenecks in the access roads:											
Relevant Development Plan	Road Network Plan	Traffic Infrastructure	Master Plan	Other Infrastructure	Priority of this bridge among the proposed bridges in this province								
	Village Level	Yes	Yes	Yes	Yes	Priority: 1 2 3 4 5 6							
	District Level	Yes / No	Yes / No	Yes / No	Yes / No	X							
	Province Level	Yes / No	Yes / No	Yes / No	Yes / No	Reason of the priority:							
		In flood reason, impossible access to villages (15) of 2 communes. Effect to living and education of local people											
River Condition	Low Water Level	Depth	m0.5	River Width	10 m	River Gradient (Estimate)	< 10 %						
	Highest Flood	Depth	4	River Width	30 m	Year of the Flood	1996						
		Velocity	m/sec		Rapid flow								
	Tidal effects	Have / No			River Bed Material								
	Bridge Surface Elevation	m from Average Height of River Bed			Boulder, Rock								
	Navigation to be considered	Yes or No m number and type of ships:											
Up Stream Side	Special Remarks	Boulder >50cm											
Down Stream Side	Special Remarks												
Bridge Construction	Transportation of Steel Girder from the Provincial Capital	Transportation Route	Motorbike										
		Carrying Method	Trailer Truck										
		Road Condition for Transportation	Suitable										
		Any Bottleneck for Transportation: Yes at curve section											
	Bridge Construction	Coffering for Piers	Sheet Pile / Earth Bank with Sand Bags / River Diversion / No Need (No water in dry season)										
	Steel Girder Erection	Suitable for Bent and Truck Crane Method Yes											
	Foundation Type	SRC Pile (L < 15m)											
	(Assumption)	/ Special Foundation ()											
	Expected Work Hinder	No											
Remark													
Other Additional Information to be Noted													
1. Current bridge maintenance budget and system													
No construction works													
2. Current and expected projects by other donors (WB, ADB, JBIC, etc.)													

QUESTIONNAIRE ON REQUESTED BRIDGES

Date of Answer: March / /2006

Name of Respondent: _____

Title of Respondent: _____

Bridge No.	No. 13	Bridge Name	Pa Tan	Province Name	Lai Chau	Road Network around the Bridge (conceptual map)					
Bridge Location	The Road on which the bridge exist			Nearest City (with population over 20,000)							
	Road Name		Station of the Bridge	Name of the City		Distance From the Bridge					
	Pa Tan - Huoi Lung		Km 0	Phong Tho town		12km					
Present Condition of Bridge	Bridge Length	86 m	Span	(m+ m+ m+ m+ m)							
	Bridge Width	4.5 m	Carriage Way Width	4 m							
	Superstructure Type	Suspension Bridge									
	Substructure Type	RC Column									
	Present Condition (Eye Check)	Non Serious Damage									
	Necessity of Reconstruction	Yes Reason : Increasing affect road using, to serve the local people in travelling and transport goods									
Number of Days of Closed to Traffic	Vehicle / Bike etc. : _____ days/year,		pedestrian or Bicycle : _____ days/year								
Actual State of Social Economic	Information of Villages Beyond the Bridge				Information of the Nearest City (with population over 20,000)						
	Number of Village	33 villages	Name of Regional Town	Po To - Huoi Lung	Name of City	Thong Tho small	Access Time from the Bridge				
	Population	8557 persons	Number of Household	1573 households	Population of City	persons	Number of Household				
	Average Income	Dong/month	Population Ratio of Minority		Average Income	Dong/month	Access Time from the main village beyond the bridge site (by general means of trip for the residents)				
	Rate of School Attendance (Elementary School)	%	Rate of School Attendance (Junior High School)	%	Remarks						
	Number of Educational Facilities		Junior High School	2	Number of Educational Facilities		Junior High School				
	Elementary School		High School	2	Elementary School		High School				
	Number of Medical Facilities		Emergency Hospital (middle size hospital)	0	Number of Medical Facilities		Emergency Hospital (middle size hospital)				
	Clinic (small size hospital)		Hospital for Serious Patients (large size hospital)	0	Clinic (small size hospital)		Hospital for Serious Patients (large size hospital)				
	Number of Daily Life Facilities		Bank	0	Number of Daily Life Facilities		Bank				
	Post Office		Market	1	Post Office		Market				
	Bus Stop		Public Offices (Town Hall branch, etc.)	0	Bus Stop		Public Offices (Town Hall branch, etc.)				
	Main Land Use	Rice Field / Vegetable Farm / Fruit Farm / Forest / Meadow / Swamp / Others ()				Detail of products sent to markets through the bridge location (Name of the products, total amount/price per year of each product)					
Main Production	Agriculture / Forestry / Industry / Commerce / Fishily / Others ()										
Present Condition of Access Road	Road Class	National / Provincial / District / Others ()			Road Width	Average Road Width _____ m,		Average Carriage Way Width _____ m			
	Surface Type	Concrete / Asphalt / Bitumen Seal / Gravel / Soil / Others ()			Actual Road Condition	Good / Normal / Bad / Poor / Others ()					
	Average Traffic Volume (car/day)	Big Bus	Small Bus	Passenger Car	Motor Bike	Big Track	Small Track	Cart (drawn by animals)	Bicycle and pedestrian	Boat	
					200		10-May				
	Place of Bottleneck	Bridge / Tunnel / Narrow Width Section / Others ()			Minimum Width	_____ m		Traffic Control	Up to _____ tone		
Remarks	Detail of bottlenecks in the access roads:										
Relevant Development Plan	Road Network Plan	Yes	Yes	Yes / No	Yes	Priority of this bridge among the proposed bridges in this province					
	Village Level	Material No.	Material No.	Material No.	Material No.	Priority : 1 2 3 4 5 6 X					
	District Level	Material No.	Material No.	Material No.	Material No.	Reason of the priority :					
	Province Level	Material No.	Material No.	Material No.	Material No.						
River Condition	Low Water Level	Depth _____ m	River Width _____ 50 m	River Gradient (Estimate)							
	Highest Flood	Depth _____ m	River Width _____ 80 m	Year of the Flood _____ 1986							
		Velocity _____ m/sec		Rapid flow / Moderate flow / Slow flow							
	Tidal effects	No		River Bed Material							
	Bridge Surface Elevation	_____ m from Average Height of River Bed		Fine Sand, Gravel							
	Navigation to be considered	Yes or No	_____ m number and type of ships:		0						
Up Stream Side	Special Remarks										
Down Stream Side	Special Remarks										
Bridge Construction	Transportation of Steel Girder from the Provincial Capital	Transportation Route	NH15 ~ ~		Other Additional Information to be Noted						
		Carrying Method	Trailer Truck		1. Current bridge maintenance budget and system						
		Road Condition for Transportation	Suitable		Local Budget						
		Any Bottleneck for Transportation: No ()			2. Current and expected projects by other donors (WB, ADB, JBIC, etc.)						
	Bridge Construction	Coffering for Piers	Sheet Pile / No Need (No water in dry season)								
		Steel Girder Erection	Suitable for Bent and Truck Crane Method Yes		Required Other Specials Erection Methods ()						
Foundation Type		Spread Foundation									
(Assumption)	/ Special Foundation ()										
Expected Work Hinder											
Remark											

QUESTIONNAIRE ON REQUESTED BRIDGES

Date of Answer: March / 13 /2006

Name of Respondent: Lu Van HuongTitle of Respondent: Vice Director of Technical Division

Bridge No.	No. 14	Bridge Name	Nam Puc	Province Name	Lai Chau	Road Network around the Bridge (conceptual map)					
Bridge Location	The Road on which the bridge exist			Nearest City (with population over 20,000)							
	Road Name	Station of the Bridge		Name of the City		Distance From the Bridge					
	Bun To - Nam Puc	~		Muong Te		18					
Present Condition of Bridge	Bridge Length	m	Span	(	m+	m+	m+	m+	m)	
	Bridge Width	m	Carriage Way Width	m							
	Superstructure Type	No bridge									
	Substructure Type	No bridge									
	Present Condition (Eye Check)	At present using causeway									
	Necessity of Reconstruction	Yes Reason : Ensuring travelling for local people whole 4 seasons)									
Number of Days of Closed to Traffic	Vehicle / Bike etc. : 90 (3 months in 3 month rainy season days/year. pedestrian or Bicycle : days/year										
Actual State of Social Economic	Information of Villages Beyond the Bridge					Information of the Nearest City (with population over 20,000)					
	Number of Village	38	villages	Name of Regional Town	Pac Ma	Name of City	Muong Te small	Access Time from the Bridge	60 minutes by bus		
	Population	13532	persons	Number of Household	2245 households	Population of City	4140 persons	Number of Household	households		
	Average Income	140,000	ng/month	Population Ratio of Minority	100	Average Income	140,000	ng/month	Access Time from the main village beyond the bridge site (by general means of trip for the residents)	minutes	
	Rate of School Attendance (Elementary School)			Rate of School Attendance (Junior High School)			Remarks			By motorbike, pedestrian	
	Number of Educational Facilities		Junior High School		Number of Educational Facilities		Junior High School				
	Elementary School			High School	Elementary School		4	High School			
	Number of Medical Facilities		Emergency Hospital (middle size hospital)		1	Number of Medical Facilities		Emergency Hospital (middle size hospital)		1	
	Clinic (small size hospital)	1	Hospital for Serious Patients (large size hospital)		0	Clinic (small size hospital)	1	Hospital for Serious Patients (large size hospital)		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 Offices (Town Hall branch, etc.)		0	Bus Stop	0	Public Offices (Town Hall branch, etc.)			
Main Land Use	Forest				Detail of products sent to markets through the bridge location (Name of the products, total amount/price per year of each product)						
Main Production	Forestry										
Present Condition of Access Road	Road Class	National / Provincial / District / Others ()				Road Width: 6	Average Road Width		m	Average Carriage Way Width	3.5 m
	Surface Type	Rural road class B - gravel. Soil				Actual Road Condition	Normal				
	Average Traffic Volume (car/day)	Big Bus	Small Bus	Passenger Car	Motor Bike	Big Truck	Small Truck	Cart (drawn by animals)	Bicycle and pedestrian	Boat	
		0	0	4-Mar	50-70	15-Dec	15	0	0	0	
	Place of Bottleneck	Bridge / Tunnel / Narrow Width Section / Others ()				Minimum Width	m		Traffic Control	Up to	tone
Remarks	Detail of bottlenecks in the access roads:										
Relevant Development Plan	Village Level	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 :					
	District Level	Material No.	Material No.	Material No.	Material No.	1 2 3 4 5 6					
		Yes	Yes	Yes	Yes	Reason of the priority :					
	Province Level	Material No.	Material No.	Material No.	Material No.						
		Yes	Yes	Yes	Yes						
River Condition	Low Water Level	Depth	m	River Width	m	River Gradient (Estimate)					
	Highest Flood	Depth	m	River Width	80-150 m	Year of the Flood					
		Velocity	m/sec		Rapid flow / Moderate flow / Slow flow						
	Tidal effects	Have / No			River Bed Material						
	Bridge Surface Elevation	m from Average Height of River Bed			Silt / Fine Sand / Sand / Gravel / Boulder / Rock						
	Navigation to be considered	Yes or No m number and type of ships.									
	Up Stream Side	Special Remarks									
Down Stream Side	Special Remarks										
Bridge Construction	Transportation of Steel Girder from the Provincial Capital	Transportation Route	Bun To - Nam Puc; Nam Puc - Pac Ma								
		Carrying Method	Trailer Truck								
		Road Condition for Transportation	Possible with small Repair								
	Bridge Construction	Any Bottleneck for Transportation ()									
		Coffering for Piers	River Diversion / No Need (No water in dry season)								
		Steel Girder Erection	Suitable for Bent and Truck Crane Method (Yes / No) Required Other Specials Erection Methods ()								
Foundation Type	Spread Foundation / RC Pile (L < 15m) / RC Pile (L > 15m)										
(Assumption)	/ Special Foundation ()										
Expected Work Hinder											
Remark											
Other Additional Information to be Noted											
1. Current bridge maintenance budget and system Maintenance cost: 200,000,000 d/year											
2. Current and expected projects by other donors (WB, ADB, JBIC, etc.)											

QUESTIONNAIRE ON REQUESTED BRIDGES

Date of Answer: March / 13 /2006

Name of Respondent: Lu Yan Huong

Title of Respondent: Vice Director of Technical Division

Bridge No.	No. 15	Bridge Name	Huoi Dit	Province Name	Lai Chau	Road Network around the Bridge (conceptual map)					
Bridge Location	The Road on which the bridge exist			Nearest City (with population over 20,000)							
	Road Name		Station of the Bridge		Name of the City		Distance From the Bridge				
	Nam Puc - Pac Ma		Km 7		Muiong Te small town		25				
Present Condition of Bridge	Bridge Length	m	Span	(m+ m+ m+ m+ m)							
	Bridge Width	m	Carriage Way Width	m							
	Superstructure Type	Temporary Wooden Bridge									
	Substructure Type	Masonry									
	Present Condition (Eye Check)	Old and Weak									
	Necessity of Reconstruction	Yes Reason: It is necessary to construct bridge to serve the local people in travelling whole year									
Number of Days of Closed to Traffic	Vehicle / Bike etc. : 90 dys/year (5 months in rainy season), pedestrian or Bicycle : days/year										
Actual State of Social Economic	Information of Villages Beyond the Bridge					Information of the Nearest City (with population over 20,000)					
	Number of Village	38 villages			Name of Regional Town	Pac Ma	Name of City	Muong Te town	Access Time from the Bridge	15 minutes	
	Population	13583 persons			Number of Household	2245 households	Population of City	4140 persons	Number of Household	households	
	Average Income	140,000ng/month			Population Ratio of Minority	100	Average Income	140,000ng/month	Access Time from the main village beyond the bridge site (by general means of trip for the residents)	minutes	
	Rate of School Attendance (Elementary School)	%			Rate of School Attendance (Junior High School)	%	Remarks	By motorbike, vehicle			
	Number of Educational Facilities					Number of Educational Facilities					
	Elementary School	1 for each village			High School	0	Elemental School	4	High School		
	Number of Medical Facilities					Number of Medical Facilities					
	Emergency Hospital (middle size hospital)				Emergency Hospital (middle size hospital)	1	Emergency Hospital (middle size hospital)		Emergency Hospital (middle size hospital)	1	
	Clinic (small size hospital)	1 for each village			Hospital for Serious Patients (large size hospital)	0	Clinic (small size hospital)	1	Hospital for Serious Patients (large size hospital)	0	
	Number of Daily Life Facilities					Number of Daily Life Facilities					
	Bank				Bank	0	Bank		Bank	2	
	Post Office	1			Market	0	Post Office	1	Market	2	
Bus Stop	0			Public Offices (Town Hall branch, etc.)		Bus Stop	0	Public Offices (Town Hall branch, etc.)			
Main Land Use	Rice Field, Forest				Detail of products sent to markets through the bridge location (Name of the products, total amount/price per year of each product). There are a lot of products and foods						
Main Production	Agriculture / Forestry / Industry / Commerce / Fishily / Others ()										
Present Condition of Access Road	Road Class	National / Provincial / District / Others ()				Road Width	Average Road Width 6 m, Average Carriage Way Width 3.5 m				
	Surface Type	Concrete / Asphalt / Bitumen Seal / Gravel / Soil / Others ()				Actual Road Condition	Good / Normal / Bad / Poor / Others ()				
	Average Traffic Volume (car/day)	Big Bus	Small Bus	Passenger Car	Motor Bike	Big Track	Small Track	Cart (drawn by animals)	Bicycle and pedestrian	Boat	
		0	0	4-Mar	40-70	15-Dec	15	0	0		
	Place of Bottleneck	Bridge / Tunnel / Narrow Width Section / Others ()				Minimum Width	m		Traffic Control	Up to tone	
Remarks	Detail of bottlenecks in the access roads:										
Relevant Development Plan		Road Network Plan	Traffic Infrastructure	Master Plan	Other Infrastructure	Priority of this bridge among the proposed bridges in this province					
	Village Level	Yes	Yes	Yes	Yes	Priority : 1 2 3 4 5 6					
		Material No.	Material No.	Material No.	Material No.						
	District Level	Yes	Yes	Yes	Yes	Reason of the priority :					
		Material No.	Material No.	Material No.	Material No.						
Province Level	Yes	Yes	Yes	Yes							
	Material No.	Material No.	Material No.	Material No.							
River Condition	Low Water Level	Depth	m	River Width	m	River Gradient (Estimate)					
	Highest Flood	Depth	m	River Width	m	Year of the Flood					
		Velocity	m/sec			Rapid flow / Moderate flow / Slow flow					
	Tidal effects	Have / No			River Bed Material						
	Bridge Surface Elevation	m from Average Height of River Bed			Silt / Fine Sand / Sand / Gravel / Boulder / Rock						
	Navigation to be considered	Yes or No m number and type of ships:									
Up Stream Side	Special Remarks										
Down Stream Side	Special Remarks										
Bridge Construction	Transportation of Steel Girder from the Provincial Capital	Transportation Route	Bum To - Nam Puc - Nam Puc - Pac Ma								
		Carrying Method	Trailer Truck								
		Road Condition for Transportation	Possible with small Repair								
	Any Bottleneck for Transportation ()										
	Bridge Construction	Coffering for Piers	River Diversion / No Need (No water in dry season)								
Steel Girder Erection		Suitable for Bent and Truck Crane Method (Yes / No) Required Other Specials Erection Methods ()									
Foundation Type		Spread Foundation / RC Pile (L < 15m) / RC Pile (L > 15m)									
(Assumption)		/ Special Foundation ()									
Expected Work Hinder	Heavy trucks catch difficult in travelling										
Remark											
						Other Additional Information to be Noted					
						1. Current bridge maintenance budget and system Annual Maintenance cost: 200,000,000 dong/year					
						2. Current and expected projects by other donors (WB, ADB, JBIC, etc.)					

QUESTIONNAIRE ON REQUESTED BRIDGES

Date of Answer: March / 13 /2006

Name of Respondent: Lo Van Huong

Title of Respondent:

Bridge No.	No. 16	Bridge Name	Nam Han	Province Name	Lai Chau	Road Network around the Bridge (conceptional map)					
Bridge Location	The Road on which the bridge exist			Nearest City (with population over 20,000)							
	Road Name		Station of the Bridge		Name of the City		Distance From the Bridge				
	Nam Puc - Pac Ma		~		Muong Te		32km				
Present Condition of Bridge	Bridge Length	m	Span	(m+ m+ m+ m+ m)							
	Bridge Width	m	Carriage Way Width	m							
	Superstructure Type	No bridge									
	Substructure Type	No bridge									
	Present Condition (Eye Check)	Causeway									
	Necessity of Reconstruction	Yes Reason : It is necessary to construct bridge to ensure the travelling whole year for local people.)									
Number of Days of Closed to Traffic	Vehicle / Bike etc. : 90 days/year (3 months in rainy season), pedestrian or Bicycle : days/year										
Actual State of Social Economic	Information of Villages Beyond the Bridge				Information of the Nearest City (with population over 20,000)						
	Number of Village	38 villages	Name of Regional Town	Pac Ma	Name of City	Muong Te town	Access Time from the Bridge	120 minutes by bus			
	Population	13532 persons	Number of Household	2245 households	Population of City	4140 persons	Number of Household	households			
	Average Income	140,000ng/month	Population Ratio of Minority	100 %	Average Income	140,000ng/month	Access Time from the main village beyond the bridge site (by general means of trip for the residents)	minutes			
	Rate of School Attendance (Elementary School)	%	Rate of School Attendance (Junior High School)	%	Remarks	By motorbike, vehicle and pedestrian					
	Number of Educational Facilities		Junior High School	0	Number of Educational Facilities		Junior High School	2			
	Elementary School	1	High School	0	Elemental School	4	High School	1			
	Number of Medical Facilities		Emergency Hospital (middle size hospital)	1	Number of Medical Facilities		Emergency Hospital (middle size hospital)	1			
	Clinic (small size hospital)	1	Hospital for Serious Patients (large size hospital)	0	Clinic (small size hospital)	1	Hospital for Serious Patients (large size hospital)	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 Offices (Town Hall branch, etc.)	0	Bus Stop	0	Public Offices (Town Hall branch, etc.)				
	Main Land Use	Rice Field, Forest			Detail of products sent to markets through the bridge location (Name of the products, total amount/price per year of each product): Many kind of foods and products						
	Main Production	Agriculture / Forestry / Industry / Commerce / Fishily / Others ()									
Present Condition of Access Road	Road Class	National / Provincial / District / Others ()			Road Width	Average Road Width m, Average Carriage Way Width m					
	Surface Type	Concrete / Asphalt / Bitumen Seal / Gravel / Soil / Others ()			Actual Road Condition	Good / Normal / Bad / Poor / Others ()					
	Average Traffic Volume (car/day)	Big Bus	Small Bus	Passenger Car	Motor Bike	Blig Track	Small Track	Cart (drawn by animals)	Bicycle and pedestrian	Boat	
		0	0	4-Mar	50-70	15-25	15	0	0		
	Place of Bottleneck	Bridge / Tunnel / Narrow Width Section / Others ()			Minimum Width	m	Traffic Control	Up to tone			
	Remarks	Detail of bottlenecks in the access roads:									
Relevant Development Plan	Road Network Plan	Traffic Infrastructure	Master Plan	Other Infrastructure	Priority of this bridge among the proposed bridges in this province						
	Village Level	Yes	Yes	Yes	Priority :						
		Material No.	Material No.	Material No.	1 2 3 4 5 6						
	District Level	Yes	Yes	Yes	Reason of the priority :						
		Material No.	Material No.	Material No.							
	Province Level	Yes	Yes	Yes							
	Material No.	Material No.	Material No.								
River Condition	Low Water Level	Depth m	River Width m	River Gradient (Estimate)							
	Highest Flood	Depth m	River Width m	Year of the Flood							
		Velocity m/sec		Rapid flow / Moderate flow / Slow flow							
	Tidal effects	Have / No		River Bed Material							
	Bridge Surface Elevation	m from Average Height of River Bed		Silt / Fine Sand / Sand / Gravel / Boulder / Rock							
	Navigation to be considered	Yes or No m number and type of ships:									
	Up Stream Side	Special Remarks									
Down Stream Side	Special Remarks										
Bridge Construction	Transportation of Steel Girder from the Provincial Capital	Transportation Route	Bua To - Nam Puc Nam Puc - Pac Ma								
		Carrying Method	Trailer Truck / Ship / Others ()								
		Road Condition for Transportation	Suitable / Possible / Possible with small Repair / Impossible								
		Any Bottleneck for Transportation ()									
		Coffering for Piers	Sheet Pile / Earth Bank with Sand Bags / River Diversion / No Need (No water in dry season)								
		Steel Girder Erection	Suitable for Bent and Truck Crane Method (Yes / No) Required Other Specials Erection Methods ()								
		Foundation Type	Spread Foundation / RC Pile (L < 15m) / RC Pile (L > 15m)								
	(Assumption)	/ Special Foundation ()									
	Expected Work Hinder										
Remark											
					Other Additional Information to be Noted						
					1. Current bridge maintenance budget and system						
					Annual maintenance cost: 200,000,000 dong/year						
					2. Current and expected projects by other donors (WB, ADB, JBIC, etc.)						

QUESTIONNAIRE ON REQUESTED BRIDGES

Date of Answer: March / /2006

Name of Respondent: _____

Title of Respondent: _____

Bridge No.	No. 17	Bridge Name	Nam Cum	Province Name	Lai Chau	Road Network around the Bridge (conceptual map)							
Bridge Location	The Road on which the bridge exist			Nearest City (with population over 20,000)									
	Road Name		Station of the Bridge		Name of the City		Distance From the Bridge						
	Nam Puc - Pac Ma		~		Muong Te		36km						
Present Condition of Bridge	Bridge Length	m		Span	(m+ m+ m+ m+ m)								
	Bridge Width	m		Carriage Way Width	m								
	Superstructure Type	No bridge using causeway											
	Substructure Type	RC Column / RC Pile / Wooden Pile / Masonry / Nile / Other ()											
	Present Condition (Eye Check)	Good / Old / Weak / Non Serious Damage / Serious Damage / Flow Out / Other ()											
	Necessity of Reconstruction	Yes Reason: It is necessary to construct bridge ensuring travelling, no obstruction during flood season ()											
Number of Days of Closed to Traffic	Vehicle / Bike etc. : 90 days/year (3 months in rainy season), pedestrian or Bicycle : days/year												
Actual State of Social Economic	Information of Villages Beyond the Bridge				Information of the Nearest City (with population over 20,000)								
	Number of Village	38 villages		Name of Regional Town	Pac Ma		Name of City	Muong Te		Access Time from the Bridge	120 minutes by bus		
	Population	13532 persons		Number of Household	2245 households		Population of City	4140 persons		Number of Household	households		
	Average Income	140,000ng/month		Population Ratio of Minority	100		Average Income	140,000ng/month		Access Time from the main village beyond the bridge site (by general means of trip for the residents)	minutes		
	Rate of School Attendance (Elementary School)			Rate of School Attendance (Junior High School)			Remarks						
	Number of Educational Facilities			Junior High School			Number of Educational Facilities			Junior High School		2	
	Elementary School	1		High School			Elemental School			4		High School	1
	Number of Medical Facilities			Emergency Hospital (middle size hospital)			Number of Medical Facilities			Emergency Hospital (middle size hospital)		1	
	Clinic (small size hospital)	1		Hospital for Serious Patients (large size hospital)			Clinic (small size hospital)			1		Hospital for Serious Patients (large size hospital)	0
	Number of Daily Life Facilities			Bank			Number of Daily Life Facilities			Bank		2	
	Post Office	1		Market			Post Office			1		Market	2
	Bus Stop	0		Public Offices (Town Hall branch, etc.)			Bus Stop			0		Public Offices (Town Hall branch, etc.)	
Main Land Use	Rice Field, Forest		Detail of products sent to markets through the bridge location (Name of the products, total amount/price per year of each product): Many kind of products and foods										
Main Production	Agriculture / Forestry / Industry / Commerce / Fishily / Others ()												
Present Condition of Access Road	Road Class	National / Provincial / District / Others ()				Road Width	Average Road Width m,		Average Carriage Way Width m				
	Surface Type	Concrete / Asphalt / Bitumen Seal / Gravel / Soil / Others ()				Actual Road Condition	Good / Normal / Bad / Poor / Others ()						
	Average Traffic Volume (car/day)	Big Bus	Small Bus	Passenger Car	Motor Bike	Big Track	Small Track	Cart (drawn by animals)	Bicycle and pedestrian	Boat			
		0	0	4-Mar	50-70	15-Dec	15	0	0				
	Place of Bottleneck	Bridge / Tunnel / Narrow Width Section / Others ()				Minimum Width	m		Traffic Control	Up to tone			
Remarks	Detail of bottlenecks in the access roads:												
Relevant Development Plan	Village Level	Road Network Plan	Traffic Infrastructure	Master Plan	Other Infrastructure	Priority of this bridge among the proposed bridges in this province							
		Yes	Yes	Yes	Yes	Priority : 1 2 3 4 5 6							
	District Level	Material No.	Material No.	Material No.	Material No.	Reason of the priority :							
		Yes	Yes	Yes	Yes								
	Province Level	Material No.	Material No.	Material No.	Material No.								
		Yes	Yes	Yes	Yes								
River Condition	Low Water Level	Depth	m/River Width	m	River Gradient (Estimate)								
	Highest Flood	Depth	m/River Width	m	Year of the Flood								
		Velocity	m/sec			Rapid flow / Moderate flow / Slow flow							
	Tidal effects	Have / No			River Bed Material								
	Bridge Surface Elevation	m from Average Height of River Bed			Silt / Fine Sand / Sand / Gravel / Boulder / Rock								
	Navigation to be considered	Yes or No m number and type of ships:											
	Up Stream Side	Special Remarks											
Down Stream Side	Special Remarks												
Bridge Construction	Transportation of Steel Girder from the Provincial Capital	Transportation Route	~ ~		Other Additional Information to be Noted								
		Carrying Method	Trailer Truck			1. Current bridge maintenance budget and system							
		Road Condition for Transportation	Possible with small Repair			Annual maintenance cost: 200,000,000 dong / year							
	Bridge Construction	Any Bottleneck for Transportation ()			2. Current and expected projects by other donors (WB, ADB, JBIC, etc.)								
		Offering for Piers	River Diversion / No Need (No water in dry season)										
		Steel Girder Erection	Suitable for Bent and Truck Crane Method (Yes / No)										
Foundation Type	Spread Foundation / RC Pile (L < 15m) / RC Pile (L > 15m)												
(Assumption)	/ Special Foundation ()												
Expected Work Hinder													
Remark													

QUESTIONNAIRE ON REQUESTED BRIDGES

Date of Answer:

/2006

Name of Respondent: _____

Title of Respondent: _____

Bridge No.	No. 18	Bridge Name	Ngoi Thap		Province Name	Yen Bai		Road Network around the Bridge (conceptual map)						
Bridge Location	The Road on which the bridge exist				Nearest City (with population over 20,000)									
	Road Name		Station of the Bridge		Name of the City		Distance From the Bridge							
	Au Lau - Dong An		Km 21+660		Yen Bai city		28km							
Present Condition of Bridge	Bridge Length	m		Span	(m+ m+ m+ m+ m)									
	Bridge Width	m		Carriage Way Width					m					
	Superstructure Type	No bridge												
	Substructure Type	RC Column / RC Pile / Wooden Pile / Masonry / Nile / Other ()												
	Present Condition (Eye Check)	Good / Old / Weak / Non Serious Damage / Serious Damage / Flow Out / Other ()												
	Necessity of Reconstruction	Yes Reason: To serve people travelling; to socio-economic development in region. ()												
Number of Days of Closed to Traffic	Vehicle / Bike etc.: 180 days/year. pedestrian or Bicycle: 180 days/year													
Actual State of Social Economic	Information of Villages Beyond the Bridge					Information of the Nearest City (with population over 20,000)								
	Number of Village	3 villages		Name of Regional Town	Hoang Thang	Name of City	Yen Bai city	Access Time from the Bridge	45 minutes					
	Population	2500 persons		Number of Household	480 households	Population of City	78041 persons	Number of Household	20013 households					
	Average Income	300,000 Dong/month		Population Ratio of Minority	45	Average Income	500,000 Dong/month	Access Time from the main village beyond the bridge site (by general means of trip for the residents)	minutes					
	Rate of School Attendance (Elementary School)	100		Rate of School Attendance (Junior High School)	80	Remarks								
	Number of Educational Facilities		Junior High School		1		Number of Educational Facilities		Junior High School			9		
	Elementary School		1		High School		0		Elemental School		16		High School	6
	Number of Medical Facilities		Emergency Hospital (middle size hospital)		0		Number of Medical Facilities		Emergency Hospital (middle size hospital)		2			
	Clinic (small size hospital)		1		Hospital for Serious Patients (large size hospital)		0		Clinic (small size hospital)		11		Hospital for Serious Patients (large size hospital)	5
	Number of Daily Life Facilities		Bank		0		Number of Daily Life Facilities		Bank		2			
	Post Office		0		Market		0		Post Office		2		Market	10
	Bus Stop		0		Public Offices (Town Hall branch, etc.)		0		Bus Stop		0		Public Offices (Town Hall branch, etc.)	Yes
	Main Land Use	Rice Field		Detail of products sent to markets through the bridge location (Name of the products, total amount/price per year of each product): Rice, corn, manioc. Fruits/280 tons/2,000,000d/year										
	Main Production	Agriculture												
Present Condition of Access Road	Road Class	Provincial Road				Road Width: 605m	Average Road Width	6 m		Average Carriage Way Width			m	
	Surface Type	Bitumen Seal				Actual Road Condition	Normal							
	Average Traffic Volume	Big Bus	Small Bus	Passenger Car	Motor Bike	Big Truck	Small Truck	Cart (drawn by animals)	Bicycle and pedestrian	Boat				
	(car/day)				200	zu (causeway)	31							
	Place of Bottleneck	Bridge / Tunnel / Narrow Width Section / Others ()				Minimum Width	m		Traffic Control	Up to			tone	
Remarks	Detail of bottlenecks in the access roads:													
Relevant Development Plan	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 / 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										
	Material No.	Material No.	Material No.	Material No.										
River Condition	Low Water Level	Depth	m	River Width	8.0 m	River Gradient (Estimate)								
	Highest Flood	Depth	m	River Width	70 m	Year of the Flood								
		Velocity	m/sec		Rapid flow / Moderate flow / Slow flow									
	Tidal effects	Have / No			River Bed Material									
	Bridge Surface Elevation	m from Average 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													
Bridge Construction	Transportation of Steel Girder from the Provincial Capital	Transportation Route	Road											
		Carrying Method	Trailer Truck											
		Road Condition for Transportation	Suitable / Possible / Possible with small Repair / Impossible											
	Any Bottleneck for Transportation ()													
	Bridge Construction	Coffering for Piers	Earth Bank with Sand Bags / No Need (No water in dry season)											
		Steel Girder Erection	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													
Remark														
											Other Additional Information to be Noted			
											1. Current bridge maintenance budget and system			
											2. Current and expected projects by other donors (WB, ADB, JBIC, etc.)			

QUESTIONNAIRE ON REQUESTED BRIDGES

Date of Answer: March / /2006

Name of Respondent: _____

Title of Respondent: _____

Bridge No.	No. 19	Bridge Name	Ngoi That	Province Name	Yen Bai	Road Network around the Bridge (conceptual map)								
Bridge Location	The Road on which the bridge exist			Nearest City (with population over 20,000)										
	Road Name		Station of the Bridge		Name of the City		Distance From the Bridge							
	Au Lau - Dang An		Km 42+670		Mau A		9km							
Present Condition of Bridge	Bridge Length	m	Span	(m+ m+ m+ m+ m)										
	Bridge Width	m	Carriage Way Width											
	Superstructure Type	No bridge												
	Substructure Type	RC Column / RC Pile / Wooden Pile / Masonry / Nile / Other ()												
	Present Condition (Eye Check)	Good / Old / Weak / Non Serious Damage / Serious Damage / Flow Out / Other ()												
	Necessity of Reconstruction	Yes Reason: To serve the travelling of local people; to socio-economic development in region. ()												
Number of Days of Closed to Traffic	Vehicle / Bike etc. : days/year,		pedestrian or Bicycle : days/year											
Actual State of Social Economic	Information of Villages Beyond the Bridge				Information of the Nearest City (with population over 20,000)									
	Number of Village	3 villages		Name of Regional Town	Dong An		Name of City	Mau A		Access Time from the Bridge	15 minutes			
	Population	2850 persons		Number of Household	580 households		Population of City	13840 persons		Number of Household	5990 households			
	Average Income	300,000 Dong/month		Population Ratio of Minority	55 %		Average Income	400,000 Dong/month		Access Time from the main village beyond the bridge site (by general means of trip for the residents)	minutes			
	Rate of School Attendance (Elementary School)	100 %		Rate of School Attendance (Junior High School)	80 %		Remarks	By motorbike, bicycle						
	Number of Educational Facilities			Junior High School		1		Number of Educational Facilities			Junior High School	3		
	Elementary School			1		High School		0		Elemental School		5	High School	1
	Number of Medical Facilities			Emergency Hospital (middle size hospital)		0		Number of Medical Facilities			Emergency Hospital (middle size hospital)	1		
	Clinic (small size hospital)			1		Hospital for Serious Patients (large size hospital)		0		Clinic (small size hospital)		5	Hospital for Serious Patients (large size hospital)	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 Offices (Town Hall branch, etc.)		0		Bus Stop		0	Public Offices (Town Hall branch, etc.)	Yes
	Main Land Use	Forest		Detail of products sent to markets through the bridge location (Name of the products, total amount/price per year of each product): Maize, rice: 380 tons/2,000,000d/year										
	Main Production	Forestry												
Present Condition of Access Road	Road Class	Provincial Road			Road Width: 6.5m	Average Road Width 6.5 m,		Average Carriage Way Width m						
	Surface Type	Bitumen Seal			Actual Road Condition	Normal								
	Average Traffic Volume (car/day)	Big Bus	Small Bus	Passenger Car	Motor Bike	Big Track	Small Track	Cart (drawn by animals)	Bicycle and pedestrian	Boat				
	Place of Bottleneck	Bridge / Tunnel / Narrow Width Section / Others ()				Minimum Width	m		Traffic Control	Up to	tone			
	Remarks	Detail of bottlenecks in the access roads:												
Relevant Development Plan	Village Level	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 : 1 2 3 4 5 6								
	District Level	Material No.	Material No.	Material No.	Material No.	X								
		Yes / No	Yes / No	Yes / No	Yes / No	Reason of the priority :								
	Province Level	Material No.	Material No.	Material No.	Material No.									
River Condition	Low Water Level	Depth m	River Width m	River Gradient (Estimate)										
	Highest Flood	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 Average 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													
Bridge Construction	Transportation of Steel Girder from the Provincial Capital	Transportation Route	Road											
		Carrying Method	Trailer Truck											
		Road Condition for Transportation	Suitable											
		Any Bottleneck for Transportation ()												
	Bridge Construction	Coffering for Piers	Earth Bank with Sand Bags / No Need (No water in dry season)											
		Steel Girder Erection	Suitable for Bent and Truck Crane Method (Yes / No) Required Other Specials Erection Methods ()											
Foundation Type	RC Pile (L > 15m)													
(Assumption)	/ Special Foundation: No													
Expected Work Hinder														
Remark														
Other Additional Information to be Noted														
1. Current bridge maintenance budget and system														
2. Current and expected projects by other donors (WB, ADB, JBIC, etc.)														

QUESTIONNAIRE ON REQUESTED BRIDGES

Date of Answer: March / /2006

Name of Respondent: _____

Title of Respondent: _____

Bridge No.	No. 20	Bridge Name	Lao Chai	Province Name	Yen Bai	Road Network around the Bridge (conceptual map)				
Bridge Location	The Road on which the bridge exist			Nearest City (with population over 20,000)						
	Road Name	Station of the Bridge	Name of the City	Distance From the Bridge						
	Lao Chai commune road	Km 0+100	Mu cang Chai	14km						
Present Condition of Bridge	Bridge Length	47 m	Span	(47 m+ m+ m+ m+ m)						
	Bridge Width	2.2 m	Carriage Way Width	1.8 m						
	Superstructure Type	Suspension Bridge								
	Substructure Type	Masonry								
	Present Condition (Eye Check)	Non Serious Damage								
	Necessity of Reconstruction	Yes Reason: To serve the travelling of the local people; To socio-economic development. In region.)								
Number of Days of Closed to Traffic	Vehicle / Bike etc. : days/year. pedestrian or Bicycle : days/year									
Actual State of Social Economic	Information of Villages Beyond the Bridge				Information of the Nearest City (with population over 20,000)					
	Number of Village	2 villages	Name of Regional Town	Lao Chai	Name of City	Mu cang Chai	Access Time from the Bridge	15 minutes		
	Population	3700 persons	Number of Household	610 households	Population of City	5900 persons	Number of Household	1260 households		
	Average Income	300,000 Dong/month	Population Ratio of Minority	98 %	Average Income	500,000 Dong/month	Access Time from the main village beyond the bridge site (by general means of trip for the residents)	minutes		
	Rate of School Attendance (Elementary School)	99 %	Rate of School Attendance (Junior High School)	58 %	Remarks	By motorbike and bicycle				
	Number of Educational Facilities		Junior High School		Number of Educational Facilities		Junior High School		1	
	Elementary School		High School		Elemental School		High School		1	
	Number of Medical Facilities		Emergency Hospital (middle size hospital)		Number of Medical Facilities		Emergency Hospital (middle size hospital)		1	
	Clinic (small size hospital)		Hospital for Serious Patients (large size hospital)		Clinic (small size hospital)		Hospital for Serious Patients (large size hospital)		0	
	Number of Daily Life Facilities		Bank		Number of Daily Life Facilities		Bank		1	
	Post Office		Market		Post Office		Market		1	
	Bus Stop		Public Offices (Town Hall branch, etc.)		Bus Stop		Public Offices (Town Hall branch, etc.)		Yes	
	Main Land Use	Forest			Detail of products sent to markets through the bridge location (Name of the products, total amount/price per year of each product): Maize, rice: 130 tons/2,000,000d/year					
Main Production	Forestry									
Present Condition of Access Road	Road Class	Inter-communal road			Road Width: 5m	Average Road Width	4.5 m		Average Carriage Way Width	m
	Surface Type	Soil			Actual Road Condition	Normal				
	Average Traffic Volume (car/day)	Big Bus	Small Bus	Passenger Car	Motor Bike	Big Track	Small Track	Cart (drawn by animals)	Bicycle and pedestrian	Boat
	Place of Bottleneck	Bridge / Tunnel / Narrow Width Section / Others ()			Minimum Width	m		Traffic Control	Up to tone	
	Detail of bottlenecks in the access roads:									
	Remarks									
Relevant Development Plan		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 / 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						
		Material No.	Material No.	Material No.	Material No.					
River Condition	Low Water Level	Depth	m	River Width	m	River Gradient (Estimate)				
	Highest Flood	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 Average Height of River Bed			Boulder					
	Navigation to be considered	No m number and type of ships:								
	Up Stream Side	Special Remarks								
Down Stream Side	Special Remarks									
Bridge Construction	Transportation of Steel Girder from the Provincial Capital	Transportation Route	Road							
		Carrying Method	Trailer Truck							
		Road Condition for Transportation	Suitable							
	Any Bottleneck for Transportation ()									
	Bridge Construction	Coffering for Piers	Earth Bank with Sand Bags / No Need (No water in dry season)							
		Steel Girder Erection	Suitable for Bent and Truck Crane Method Yes Required Other Specials Erection Methods ()							
Foundation Type		Spread Foundation								
(Assumption)	/ Special Foundation ()									
Expected Work Hinder	No									
Remark										
Other Additional Information to be Noted										
1. Current bridge maintenance budget and system										
2. Current and expected projects by other donors (WB, ADB, JBIC, etc.)										

QUESTIONNAIRE ON REQUESTED BRIDGES

Date of Answer: March / /2006

Name of Respondent: _____

Title of Respondent: _____

Bridge No.	No. 21	Bridge Name	Pu Trang	Province Name	Yen Bai	Road Network around the Bridge (conceptual map)				
Bridge Location	The Road on which the bridge exist			Nearest City (with population over 20,000)						
	Road Name		Station of the Bridge		Name of the City		Distance From the Bridge			
	Pu Trang communal road		Km 0+900		Nghia Lo town		2.5km			
Present Condition of Bridge	Bridge Length	60 m	Span	(60 m+ m+ m+ m+ m)						
	Bridge Width	2.5 m	Carriage Way Width	2.2 m						
	Superstructure Type	Suspension Bridge								
	Substructure Type	Masonry								
	Present Condition (Eye Check)	Serious Damage								
	Necessity of Reconstruction	Yes Reason: To serve the travelling of the local people; To socio-economic developemnt.								
Number of Days of Closed to Traffic	Vehicle / Bike etc. : _____ days/year.		pedestrian or Bicycle : _____ days/year							
Actual State of Social Economic	Information of Villages Beyond the Bridge				Information of the Nearest City (with population over 20,000)					
	Number of Village	7 villages	Name of Regional Town	Pu Trang	Name of City	Nghia Lo	Access Time from the Bridge	15 minutes		
	Population	2100 persons	Number of Household	395 households	Population of City	26257 persons	Number of Household	8420 households		
	Average Income	300,000 Dong/month	Population Ratio of Minority	95 %	Average Income	500,000 Dong/month	Access Time from the main village beyond the bridge site (by general means of trip for the residents)			
	Rate of School Attendance (Elementary School)	100 %	Rate of School Attendance (Junior High School)	60 %	Remarks	By motorbike, bicycle				
	Number of Educational Facilities		Junior High School		0		Number of Educational Facilities		Junior High School 6	
	Elementary School		0		High School		0		Elemental School 7 High School 2	
	Number of Medical Facilities		Emergency Hospital (middle size hospital)		0		Number of Medical Facilities		Emergency Hospital (middle size hospital) 2	
	Clinic (small size hospital)		0		Hospital for Serious Patients (large size hospital)		0		Clinic (small size hospital) 3 Hospital for Serious Patients (large size hospital) 0	
	Number of Daily Life Facilities		Bank		0		Number of Daily Life Facilities		Bank 1	
	Post Office		0		Market		0		Post Office 1 Market 1	
	Bus Stop		0		Public Offices (Town Hall branch, etc.)		0		Bus Stop 0 Public Offices (Town Hall branch, etc.) Yes	
	Main Land Use	Rice Field / Vegetable Farm / Fruit Farm / Forest / Meadow / Swamp / Others ()				Detail of products sent to markets through the bridge location (Name of the products, total amount/price per year of each product): Maize, rice. Yes: 150 tons/2,000,000\$/year				
	Main Production	Agriculture / Forestry / Industry / Commerce / Fishily / Others ()								
Present Condition of Access Road	Road Class	Inter-communal road			Road Width: 4.5m	Average Road Width 4 m.		Average Carriage Way Width _____ m		
	Surface Type	Soil			Actual Road Condition	Bad				
	Average Traffic Volume (car/day)	Big Bus	Small Bus	Passenger Car	Motor Bike	Big Track	Small Track	Cart (drawn by animals)	Bicycle and pedestrian	Boat
	Place of Bottleneck	Bridge / Tunnel / Narrow Width Section / Others ()			Minimum Width	_____ m		Traffic Control	Up to _____ tone	
	Remarks	Detail of bottlenecks in the access roads:								
Relevant Development Plan	Village Level	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 : 1 2 3 4 5 6				
	District Level	Material No.	Material No.	Material No.	Material No.	Reason of the priority : X				
		Yes / No	Yes / No	Yes / No	Yes / No					
	Province Level	Material No.	Material No.	Material No.	Material No.					
		Yes / No	Yes / No	Yes / No	Yes / No					
River Condition	Low Water Level	Depth	m	River Width	m	River Gradient (Estimate)				
	Highest Flood	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 Average Height of River Bed			Boulder					
	Navigation to be considered	No _____ m number and type of ships:								
	Up Stream Side	Special Remarks								
	Down Stream Side	Special Remarks								
Bridge Construction	Transportation of Steel Girder from the Provincial Capital	Transportation Route	Road							
		Carrying Method	Trailer Truck							
		Road Condition for Transportation	Possible with small Repair							
		Any Bottleneck for Transportation ()								
	Bridge Construction	Coffering for Piers	Sheet Pile / No Need (No water in dry season)							
		Steel Girder Erection	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									
Remark										

QUESTIONNAIRE ON REQUESTED BRIDGES

Date of Answer: March / /2006

Name of Respondent: _____

Title of Respondent: _____

Bridge No.	No. 22	Bridge Name	Ta Tiu	Province Name	Yen Bai	Road Network around the Bridge (conceptual map)				
Bridge Location	The Road on which the bridge exist			Nearest City (with population over 20,000)						
	Road Name		Station of the Bridge	Name of the City		Distance From the Bridge				
	Ta Tiu communal road		Km 1+500	Nghia Lo town		3km				
Present Condition of Bridge	Bridge Length	65 m	Span	(65 m+ m+ m+ m+ m)						
	Bridge Width	2.5 m	Carriage Way Width	2.2 m						
	Superstructure Type	Suspension Bridge								
	Substructure Type	RC Column								
	Present Condition (Eye Check)	Non Serious Damage								
	Necessity of Reconstruction	Yes Reason: To service the travelling of local people. To socio-economic development in region.								
Number of Days of Closed to Traffic	Vehicle / Bike etc. :		days/year,		pedestrian or Bicycle :		days/year			
Actual State of Social Economic	Information of Villages Beyond the Bridge				Information of the Nearest City (with population over 20,000)					
	Number of Village	2 villages	Name of Regional Town	Phu Nhem	Name of City	Nghia Lo	Access Time from the Bridge	10 minutes		
	Population	5600 persons	Number of Household	870 households	Population of City	26257 persons	Number of Household	8420 households		
	Average Income	350,000 Dong/month	Population Ratio of Minority	55 %	Average Income	500,000 Dong/month	Access Time from the main village beyond the bridge site (by general means of trip for the residents)	minutes		
	Rate of School Attendance (Elementary School)	100 %	Rate of School Attendance (Junior High School)	85 %	Remarks	By motorbike, bicycle				
	Number of Educational Facilities		Junior High School	0	Number of Educational Facilities		Junior High School	6		
	Elementary School	1	High School	0	Elementary School	7	High School	2		
	Number of Medical Facilities		Emergency Hospital (middle size hospital)	0	Number of Medical Facilities		Emergency Hospital (middle size hospital)	2		
	Clinic (small size hospital)	0	Hospital for Serious Patients (large size hospital)	0	Clinic (small size hospital)	3	Hospital for Serious Patients (large size hospital)	0		
	Number of Daily Life Facilities		Bank	0	Number of Daily Life Facilities		Bank	1		
	Post Office	0	Market	0	Post Office	1	Market	1		
	Bus Stop	0	Public Offices (Town Hall branch, etc.)	0	Bus Stop	0	Public Offices (Town Hall branch, etc.)	Yes		
	Main Land Use	Rice Field / Vegetable Farm / Fruit Farm / Forest / Meadow / Swamp / Others ()				Detail of products sent to markets through the bridge location (Name of the products, total amount/price per year of each product): Green tea, rice, maize: 200 tons/2,000,000d/year				
	Main Production	Agriculture / Forestry / Industry / Commerce / Fishily / Others ()								
Present Condition of Access Road	Road Class	Inter-communal road			Road Width: 5.5m	Average Road Width	5 m,	Average Carriage Way Width	m	
	Surface Type	Concrete / Asphalt / Bitumen Seal / Gravel / Soil / Others ()			Actual Road Condition	Normal				
	Average Traffic Volume (car/day)	Big Bus	Small Bus	Passenger Car	Motor Bike	Big Track	Small Track	Cart (drawn by animals)	Bicycle and pedestrian	Boat
					300	10	20			
	Place of Bottleneck	Bridge / Tunnel / Narrow Width Section / Others ()			Minimum Width	m	Traffic Control	Up to	tone	
Remarks	Detail of bottlenecks in the access roads:									
Relevant Development Plan		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 : 1 2 3 4 5 6				
		Material No.	Material No.	Material No.	Material No.					
	District Level	Yes / No	Yes / No	Yes / No	Yes / No	Reason of the priority : X				
		Material No.	Material No.	Material No.	Material No.					
	Province Level	Yes / No	Yes / No	Yes / No	Yes / No					
	Material No.	Material No.	Material No.	Material No.						
River Condition	Low Water Level	Depth	m	River Width	m	River Gradient (Estimate)				
	Highest Flood	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 Average Height of River Bed		Gravel						
	Navigation to be considered	No m number and type of ships:								
	Up Stream Side	Special Remarks								
Down Stream Side	Special Remarks									
Bridge Construction	Transportation of Steel Girder from the Provincial Capital	Transportation Route	Road ~ ~			Other Additional Information to be Noted				
		Carrying Method	Trailer Truck			1. Current bridge maintenance budget and system				
		Road Condition for Transportation	Suitable							
		Any Bottleneck for Transportation ()								
	Bridge Construction	Offering for Piers	Sheet Pile / 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							
		Required Other Specials Erection Methods ()								
	Foundation Type	RC Pile (L < 15m)								
	(Assumption)	/ Special Foundation ()								
	Expected Work Hinder	No								
Remark										

QUESTIONNAIRE ON REQUESTED BRIDGES

Date of Answer: March / /2006

Name of Respondent: _____

Title of Respondent: _____

Bridge No.	No. 23	Bridge Name	Ben Cao	Province Name	Yen Bai	Road Network around the Bridge (conceptual map)					
Bridge Location	The Road on which the bridge exist			Nearest City (with population over 20,000)							
	Road Name		Station of the Bridge	Name of the City		Distance From the Bridge					
	Dai Lich - Minh An		Km 8+300	Yen Bai city		35km					
Present Condition of Bridge	Bridge Length	m	Span	(m+ m+ m+ m+ m)							
	Bridge Width	m	Carriage Way Width	m							
	Superstructure Type	Suspension Bridge									
	Substructure Type	RC Column									
	Present Condition (Eye Check)	Non Serious Damage									
	Necessity of Reconstruction	Yes Reason : To transport of goods, socio-economic development.									
	Number of Days of Closed to Traffic	Vehicle / Bike etc. : days/year.		pedestrian or Bicycle : days/year							
Actual State of Social Economic	Information of Villages Beyond the Bridge				Information of the Nearest City (with population over 20,000)						
	Number of Village	5 villages	Name of Regional Town		Name of City	Yen Bai	Access Time from the Bridge	90 minutes			
	Population	5000 persons	Number of Household	households	Population of City	78041 persons	Number of Household	20013 households			
	Average Income	300.000 Dong/month	Population Ratio of Minority	%	Average Income	500.000 Dong/month	Access Time from the main village beyond the bridge site (by general means of trip for the residents)	minutes			
	Rate of School Attendance (Elementary School)	100 %	Rate of School Attendance (Junior High School)	%	Remarks					By motorbike, vehicle	
	Number of Educational Facilities		Junior High School		Number of Educational Facilities		Junior High School		9		
	Elementary School	1	High School		Elemental School	6	High School		6		
	Number of Medical Facilities		Emergency Hospital (middle size hospital)		Number of Medical Facilities		Emergency Hospital (middle size hospital)		2		
	Clinic (small size hospital)	1	Hospital for Serious Patients (large size hospital)		Clinic (small size hospital)	11	Hospital for Serious Patients (large size hospital)		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 Offices (Town Hall branch, etc.)		Bus Stop	0	Public Offices (Town Hall branch, etc.)		Yes		
	Main Land Use	Rice Field				Detail of products sent to markets through the bridge location (Name of the products, total amount/price per year of each product): Tea, Rice, Maize: 500 tons/2,000,000d/year					
Main Production	Agriculture										
Present Condition of Access Road	Road Class	Provincial			Road Width: 6.5m	Average Road Width	5.5 m	Average Carriage Way Width m			
	Surface Type	Concrete / Asphalt / Bitumen Seal / Gravel / Soil / Others ()			Actual Road Condition	Good / Normal / Bad / Poor / Others ()					
	Average Traffic Volume (car/day)	Big Bus	Small Bus	Passenger Car	Motor Bike	Big Truck	Small Truck	Cart (drawn by animals)	Bicycle and pedestrian	Boat	
					350						
	Place of Bottleneck	Bridge / Tunnel / Narrow Width Section / Others ()			Minimum Width	m	Traffic Control	Up to	tone		
	Remarks	Detail of bottlenecks in the access roads:									
Relevant Development Plan		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 : 1 2 3 4 5 6					
		Material No.	Material No.	Material No.	Material No.	Reason of the priority : X					
	District Level	Yes / No	Yes / No	Yes / No	Yes / No						
		Material No.	Material No.	Material No.	Material No.						
Province Level	Yes / No	Yes / No	Yes / No	Yes / No							
	Material No.	Material No.	Material No.	Material No.							
River Condition	Low Water Level	Depth m	River Width m	River Gradient (Estimate)							
	Highest Flood	Depth m	River Width m	Year of the Flood							
		Velocity m/sec	Rapid flow / Moderate flow / Slow flow								
	Tidal effects	Have		River Bed Material							
	Bridge Surface Elevation	m from Average Height of River Bed		Boulder							
	Navigation to be considered	No	m number and type of ships:								
	Up Stream Side	Special Remarks									
Down Stream Side	Special Remarks										
Bridge Construction	Transportation of Steel Girder from the Provincial Capital	Transportation Route	Road	~	~	Other Additional Information to be Noted					
		Carrying Method	Trailer Truck			1. Current bridge maintenance budget and system					
		Road Condition for Transportation	Suitable			2. Current and expected projects by other donors (WB, ADB, JBIC, etc.)					
		Any Bottleneck for Transportation ()									
	Bridge Construction	Coffering for Piers	Sheet Pile / No Need (No water in dry season)								
		Steel Girder Erection	Suitable for Bent and Truck Crane Method (Yes / No) Required Other Specials Erection Methods ()								
	Foundation Type	RC Pile (L < 15m)									
	(Assumption)	/ Special Foundation ()									
	Expected Work Hinder	No									
Remark											

QUESTIONNAIRE ON REQUESTED BRIDGES

Date of Answer: March / /2006

Name of Respondent: _____

Title of Respondent: _____

Bridge No.	No. 24	Bridge Name	Trung Do	Province Name	Lao Cai	Road Network around the Bridge (conceptual map)										
Bridge Location	The Road on which the bridge exist			Nearest City (with population over 20,000)												
	Road Name		Station of the Bridge		Name of the City		Distance From the Bridge									
	Bao Nhai Communal road		Km 1+200		Bac Ha		15km									
Present Condition of Bridge	Bridge Length	m		Span	(m+ m+ m+ m+ m)											
	Bridge Width	m		Carriage Way Width	m											
	Superstructure Type	No bridge														
	Substructure Type	RC Column / RC Pile / Wooden Pile / Masonry / Nile / Other ()														
	Present Condition (Eye Check)	Other														
	Necessity of Reconstruction	Yes Reason: To serve the travelling of the local people; to socio-economic development in region.)														
Number of Days of Closed to Traffic	Vehicle / Bike etc. : 120 days/year, pedestrian or Bicycle : 90 days/year															
Actual State of Social Economic	Information of Villages Beyond the Bridge					Information of the Nearest City (with population over 20,000)										
	Number of Village	2 villages		Name of Regional Town	Ban Nhai		Name of City	Bac Ha		Access Time from the Bridge	25 minutes					
	Population	7570 persons		Number of Household	1122 households		Population of City	3069 persons		Number of Household	1003 households					
	Average Income	200,000 Dong/month		Population Ratio of Minority	96		Average Income	600,000 Dong/month		Access Time from the main village beyond the bridge site (by general means of trip for the residents)	minutes					
	Rate of School Attendance (Elementary School)	95		Rate of School Attendance (Junior High School)	70		Remarks	By motorbike; bicycle								
	Number of Educational Facilities			Junior High School		0		Number of Educational Facilities			Junior High School		2			
	Elementary School			1		High School		0		Elemental School		3		High School	1	
	Number of Medical Facilities			Emergency Hospital (middle size hospital)		0		Number of Medical Facilities			Emergency Hospital (middle size hospital)		1			
	Clinic (small size hospital)			0		Hospital for Serious Patients (large size hospital)		0		Clinic (small size hospital)		2		Hospital for Serious Patients (large size hospital)	1	
	0			Bank		0		Number of Daily Life Facilities			Bank		1			
	Post Office			0		Market		0		Post Office		1		Market	1	
	Bus Stop			0		Public Offices (Town Hall branch, etc.)		0		Bus Stop		1		Public Offices (Town Hall branch, etc.)	13	
	Main Land Use	Rice Field					Detail of products sent to markets through the bridge location (Name of the products, total amount/price per year of each product): Rice, Maize Manioc: 3,609 tons/2,000d/year									
Main Production	Agriculture / Forestry / Industry / Commerce / Fishily / Others ()															
Present Condition of Access Road	Road Class	Communal road				Road Width: 6m	Average Road Width 3.5 m,		Average Carriage Way Width m							
	Surface Type	Concrete / Asphalt / Bitumen Seal / Gravel / Soil / Others ()				Actual Road Condition	Good / Normal / Bad / Poor / Others ()									
	Average Traffic Volume (car/day)	Big Bus		Small Bus		Passenger Car		Motor Bike		Big Track		Small Track	Cart (drawn by animals)	Bicycle and pedestrian	Boat	
	Place of Bottleneck	Bridge / Tunnel / Narrow Width Section / Others ()				Minimum Width	m		Traffic Control		Up to tone					
	Remarks	Detail of bottlenecks in the access roads:														
Relevant Development Plan	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 : 1 2 3 4 5 6 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.									
River Condition	Low Water Level	Depth m		River Width m		River Gradient (Estimate)										
	Highest Flood	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 Average Height of River Bed				Boulder										
	Navigation to be considered	No m number and type of ships:														
Up Stream Side	Special Remarks															
Down Stream Side	Special Remarks															
Bridge Construction	Transportation of Steel Girder from the Provincial Capital		Transportation Route Road ~ ~		Carrying Method Trailer Truck		Road Condition for Transportation Suitable			Other Additional Information to be Noted						
	Any Bottleneck for Transportation ()															
	Offering for Piers		Earth Bank with Sand Bags / No Need (No water in dry season)													
	Steel Girder Erection		Suitable for Bent and Truck Crane Method Yes Required Other Specials Erection Methods ()													
	Foundation Type		Spread Foundation													
(Assumption)	/ Special Foundation ()															
Expected Work Hinder																
Remark																

QUESTIONNAIRE ON REQUESTED BRIDGES

Date of Answer: March / /2006

Name of Respondent: _____

Title of Respondent: _____

Bridge No.	No. 25	Bridge Name	Thanh Phu	Province Name	Lao cai	Road Network around the Bridge (conceptual map)							
Bridge Location	The Road on which the bridge exist			Nearest City (with population over 20,000)									
	Road Name		Station of the Bridge		Name of the City		Distance From the Bridge						
	Thanh Phu road		Km 25+900		Sa Pa		26km						
Present Condition of Bridge	Bridge Length	90	60	m	Span	(	m+	m+	m+	m)		
	Bridge Width	2.4		m	Carriage Way Width	2.2		m					
	Superstructure Type	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)	Other											
	Necessity of Reconstruction	Yes											
Number of Days of Closed to Traffic	Vehicle / Bike etc. : 90 days/year, pedestrian or Bicycle :				days/year								
Actual State of Social Economic	Information of Villages Beyond the Bridge					Information of the Nearest City (with population over 20,000)							
	Number of Village	4 villages			Name of Regional Town	Thanh Phu	Name of City	Sa Pa town	Access Time from the Bridge	minutes			
	Population	8286 persons			Number of Household	320 households	Population of City	5314 persons	Number of Household	1585 households			
	Average Income	350,000 Dong/month			Population Ratio of Minority	97 %	Average Income	550,000 Dong/month	Access Time from the main village beyond the bridge site (by general means of trip for the residents)	minutes			
	Rate of School Attendance (Elementary School)	99 %			Rate of School Attendance (Junior High School)	70 %	Remarks	By					
	Number of Educational Facilities		Junior High School			1	Number of Educational Facilities		Junior High School			2	
	Elementary School		4			High School		Elemental School		1	High School		3
	Number of Medical Facilities		Emergency Hospital (middle size hospital)			1	Number of Medical Facilities		Emergency Hospital (middle size hospital)				
	Clinic (small size hospital)		4			Hospital for Serious Patients (large size hospital)		Clinic (small size hospital)		Hospital for Serious Patients (large size hospital)			1
	Number of Daily Life Facilities		Bank				Number of Daily Life Facilities		Bank				
	Post Office					Market	1	Post Office		Market			2
	Bus Stop		0			Public Offices (Town Hall branch, etc.)	0	Bus Stop		1	Public Offices (Town Hall branch, etc.)		Yes
	Main Land Use	Forest			Detail of products sent to markets through the bridge location (Name of the products, total amount/price per year of each product)								
Main Production	Agriculture, Forestry												
Present Condition of Access Road	Road Class	District road				Road Width	Average Road Width		m, Average Carriage Way Width			m	
	Surface Type	Concrete / Asphalt / Bitumen Seal / Gravel / Soil / Others ()				Actual Road Condition	Good / Normal / Bad / Poor / Others ()						
	Average Traffic Volume (car/day)	Big Bus		Small Bus		Passenger Car	Motor Bike	Big Track	Small Track	Cart (drawn by animals)	Bicycle and pedestrian	Boat	
						0	450	22 travelling by causeway	27	570		0	
	Place of Bottleneck	Bridge / Tunnel / Narrow Width Section / Others ()				Minimum Width	m		Traffic Control	Up to			tone
Remarks	Detail of bottlenecks in the access roads:												
Relevant Development Plan	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		Priority :				
	Material No.		Material No.		Material No.		Material No.		1 2 3 4 5 6				
	District Level		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							
Material No.		Material No.		Material No.		Material No.							
River Condition	Low Water Level	Depth	m	River Width	m	River Gradient (Estimate)							
	Highest Flood	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 Average Height of River Bed			Boulder								
	Navigation to be considered	No m number and type of ships:											
Up Stream Side	Special Remarks												
Down Stream Side	Special Remarks												
Bridge Construction	Transportation of Steel Girder from the Provincial Capital		Transportation Route		Carrying Method		Road Condition for Transportation		Any Bottleneck for Transportation ()				
			~ ~		Trailer Truck		Suitable						
	Bridge Construction		Offering for Piers		Earth Bank with Sand Bags / No Need (No water in dry season)								
			Steel Girder Erection		Suitable for Bent and Truck Crane Method Yes Required Other Specials Erection Methods ()								
			Foundation Type		Spread Foundation								
		(Assumption)		/ Special Foundation ()									
		Expected Work Hinder											
Remark													
Other Additional Information to be Noted													
1. Current bridge, maintenance budget and system													
2. Current and expected projects by other donors (WB, ADB, JBIC, etc.)													

QUESTIONNAIRE ON REQUESTED BRIDGES

Date of Answer: March / /2006

Name of Respondent: _____

Title of Respondent: _____

Bridge No.	No. 26	Bridge Name	Ban Xeo	Province Name	Lao Cai	Road Network around the Bridge (conceptual map)								
Bridge Location	The Road on which the bridge exist			Nearest City (with population over 20,000)										
	Road Name		Station of the Bridge		Name of the City		Distance From the Bridge							
	PR		Km 34		Ban Xeo		24km							
Present Condition of Bridge	Bridge Length	m	Span	(m+ m+ m+ m+ m)										
	Bridge Width	m	Carriage Way Width	m										
	Superstructure Type	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)	Good / Old / Weak / Non Serious Damage / Serious Damage / Flow Out / Other ()												
	Necessity of Reconstruction	Yes Reason: To serv the travelling of the local people; to socio-economic development in region. ()												
Number of Days of Closed to Traffic	Vehicle / Bike etc. : 60 days/year		pedestrian or Bicycle : 90 days/year											
Actual State of Social Economic	Information of Villages Beyond the Bridge					Information of the Nearest City (with population over 20,000)								
	Number of Village	9 villages		Name of Regional Town	Ban Xeo		Name of City	Bat Xat		Access Time from the Bridge	30 minutes			
	Population	20150 persons		Number of Household	336 households		Population of City	3473 persons		Number of Household	916 households			
	Average Income	Dong/month		Population Ratio of Minority	96 %		Average Income	Dong/month		Access Time from the main village beyond the bridge site (by general means of trip for the residents)	minutes			
	Rate of School Attendance (Elementary School)	99 %		Rate of School Attendance (Junior High School)	75 %		Remarks							
	Number of Educational Facilities			Junior High School			Number of Educational Facilities			Junior High School			2	
	Elementary School			High School			Elemental School			High School			2	
	Number of Medical Facilities			Emergency Hospital (middle size hospital)			Number of Medical Facilities			Emergency Hospital (middle size hospital)			2	
	Clinic (small size hospital)			Hospital for Serious Patients (large size hospital)			Clinic (small size hospital)			Hospital for Serious Patients (large size hospital)			1	
	Number of Daily Life Facilities			Bank			Number of Daily Life Facilities			Bank				
	Post Office			Market			Post Office			Market			1	
	Bus Stop			Public Offices (Town Hall branch, etc.)			Bus Stop			Public Offices (Town Hall branch, etc.)			Yes	
Main Land Use	Forest				Detail of products sent to markets through the bridge location (Name of the products, total amount/price per year of each product)									
Main Production	Agriculture, Forestry													
Present Condition of Access Road	Road Class	National / Provincial / District / Others ()				Road Width	Average Road Width m		Average Carriage Way Width m					
	Surface Type	Concrete / Asphalt / Bitumen Seal / Gravel / Soil / Others ()				Actual Road Condition	Good / Normal / Bad / Poor / Others ()							
	Average Traffic Volume (car/day)	Big Bus	Small Bus	Passenger Car	Motor Bike	Big Track	Small Track	Cart (drawn by animals)	Bicycle and pedestrian	Boat				
				5	600	28 travelling by causeway	45		570	0				
	Place of Bottleneck	Bridge / Tunnel / Narrow Width Section / Others ()				Minimum Width	m		Traffic Control	Up to tone				
	Remarks	Detail of bottlenecks in the access roads:												
Relevant Development Plan	Village Level	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 :								
	District Level	Material No.	Material No.	Material No.	Material No.	1 2 3 4 5 6								
		Yes / No	Yes / No	Yes / No	Yes / No	Reason of the priority :								
	Province Level	Material No.	Material No.	Material No.	Material No.	X								
		Yes / No	Yes / No	Yes / No	Yes / No									
River Condition	Low Water Level	Depth	m	River Width	m	River Gradient (Estimate)								
	Highest Flood	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 Average Height of River Bed			Boulder									
	Navigation to be considered	No m number and type of ships:												
	Up Stream Side	Special Remarks												
	Down Stream Side	Special Remarks												
Bridge Construction	Transportation of Steel Girder from the Provincial Capital	Transportation Route	~ ~											
		Carrying Method	Trailer Truck											
		Road Condition for Transportation	Suitable											
		Any Bottleneck for Transportation ()												
	Bridge Construction	Coffering for Piers	Earth Bank with Sand Bags / No Need (No water in dry season)											
		Steel Girder Erection	Suitable for Bent and Truck Crane Method Yes Required Other Specials Erection Methods ()											
Foundation Type	Spread Foundation / RC Pile (L < 15m) / RC Pile (L > 15m)													
	(Assumption)	/ Special Foundation ()												
Expected Work Hinder														
Remark														
Other Additional Information to be Noted														
1. Current bridge maintenance budget and system														
2. Current and expected projects by other donors (WB, ADB, JBIC, etc.)														

QUESTIONNAIRE ON REQUESTED BRIDGES

Date of Answer: March / /2006

Name of Respondent: _____

Title of Respondent: _____

Bridge No.	No. 27	Bridge Name	Muong Hum	Province Name	Lao Cai	Road Network around the Bridge (conceptual map)						
Bridge Location	The Road on which the bridge exist			Nearest City (with population over 20,000)								
	Road Name		Station of the Bridge		Name of the City						Distance From the Bridge	
	District road		Km 44		Muong Hum						34km	
Present Condition of Bridge	Bridge Length	m	Span	(m+ m+ m+ m+ m)								
	Bridge Width	m	Carriage Way Width	m								
	Superstructure Type	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)	Good / Old / Weak / Non Serious Damage / Serious Damage / Flow Out / Other ()										
	Necessity of Reconstruction	Yes Reason : To serve the travelling of the local people, To socio-economic development. ()										
Number of Days of Closed to Traffic	Vehicle / Bike etc. : 105 days/year, pedestrian or Bicycle : 120 days/year											
Actual State of Social Economic	Information of Villages Beyond the Bridge				Information of the Nearest City (with population over 20,000)							
	Number of Village	5 villages		Name of Regional Town	Name of City		Bat Xat	Access Time from the Bridge	45 minutes			
	Population	13452 persons		Number of Household	households		Population of City	3473 persons	Number of Household	916 households		
	Average Income	350.000 Dong/month		Population Ratio of Minority	%		Average Income	500.000 Dong/month	Access Time from the main village beyond the bridge site (by general means of trip for the residents)	minutes		
	Rate of School Attendance (Elementary School)	99 %		Rate of School Attendance (Junior High School)	%		Remarks	By				
	Number of Educational Facilities			Junior High School		Number of Educational Facilities			Junior High School		2	
	Elementary School			5		Elemental School			1		High School	7
	Number of Medical Facilities			Emergency Hospital (middle size hospital)		Number of Medical Facilities			Emergency Hospital (middle size hospital)			
	Clinic (small size hospital)			5		Clinic (small size hospital)			3		Hospital for Serious Patients (large size hospital)	1
	Number of Daily Life Facilities			Bank		Number of Daily Life Facilities			Bank			
	Post Office					Post Office			1		Market	1
	Bus Stop			1		Bus Stop			1		Public Offices (Town Hall branch, etc.)	Yes
	Main Land Use	Forest				Detail of products sent to markets through the bridge location (Name of the products, total amount/price per year of each product)						
Main Production	Agriculture, Forestry											
Present Condition of Access Road	Road Class	District road			Road Width	Average Road Width		m		Average Carriage Way Width	m	
	Surface Type	Gravel			Actual Road Condition	Good / Normal / Bad / Poor / Others ()						
	Average Traffic Volume (car/day)	Big Bus	Small Bus	Passenger Car	Motor Bike	Big Track	Small Track	Cart (drawn by animals)	Bicycle and pedestrian	Boat		
				5	400	30	42		675	0		
	Place of Bottleneck	Bridge / Tunnel / Narrow Width Section / Others ()			Minimum Width	m		Traffic Control	Up to		tone	
	Remarks	Detail of bottlenecks in the access roads:										
Relevant Development Plan	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 / 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								
	Material No.	Material No.	Material No.	Material No.								
River Condition	Low Water Level	Depth	m	River Width	m	River Gradient (Estimate)						
	Highest Flood	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 Average Height of River Bed			Boulder							
	Navigation to be considered	No m number and type of ships:										
Up Stream Side	Special Remarks											
Down Stream Side	Special Remarks											
Bridge Construction	Transportation of Steel Girder from the Provincial Capital	Transportation Route	~ ~		Other Additional Information to be Noted							
		Carrying Method	Trailer Truck		1. Current bridge maintenance budget and system							
		Road Condition for Transportation	Suitable		2. Current and expected projects by other donors (WB, ADB, JBIC, etc.)							
		Any Bottleneck for Transportation ()										
	Bridge Construction	Coffering for Piers	Earth Bank with Sand Bags / No Need (No water in dry season)									
Steel Girder Erection		Suitable for Bent and Truck Crane Method Yes Required Other Specials Erection Methods ()										
Foundation Type		Spread Foundation (Assumption) / Special Foundation ()										
Expected Work Hinder												
Remark												

QUESTIONNAIRE ON REQUESTED BRIDGES

Date of Answer: March / /2006

Name of Respondent: _____

Title of Respondent: _____

Bridge No.	No. 28	Bridge Name	Den Sang	Province Name	Lao Cai	Road Network around the Bridge (conceptual map)				
Bridge Location	The Road on which the bridge exist			Nearest City (with population over 20,000)						
	Road Name		Station of the Bridge	Name of the City		Distance From the Bridge				
	District road		Km 0+51	Den Sang		41km				
Present Condition of Bridge	Bridge Length	m	Span	(m+ m+ m+ m+ m)						
	Bridge Width	m	Carriage Way Width	m						
	Superstructure Type	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)	Good / Old / Weak / Non Serious Damage / Serious Damage / Flow Out / Other ()								
	Necessity of Reconstruction	Yes Reason: To serve the travelling of the local people; To socio-economic development. In region ()								
Number of Days of Closed to Traffic	Vehicle / Bike etc.: 120 days/year. pedestrian or Bicycle: 120 days/year									
Actual State of Social Economic	Information of Villages Beyond the Bridge				Information of the Nearest City (with population over 20,000)					
	Number of Village	3 villages	Name of Regional Town	Den Sang commune	Name of City	Bat Xat	Access Time from the Bridge	15 minutes		
	Population	6088 persons	Number of Household	279 households	Population of City	3473 persons	Number of Household	916 households		
	Average Income	310.000 Dong/month	Population Ratio of Minority	98 %	Average Income	500.000 Dong/month	Access Time from the main village beyond the bridge site (by general means of trip for the residents)	minutes		
	Rate of School Attendance (Elementary School)	99 %	Rate of School Attendance (Junior High School)	70 %	Remarks	By motorbike, bicycle				
	Number of Educational Facilities		Junior High School		1		Number of Educational Facilities		Junior High School 2	
	Elementary School		5		High School		0		Elemental School 2	
	Number of Medical Facilities		Emergency Hospital (middle size hospital)		1		Number of Medical Facilities		Emergency Hospital (middle size hospital) 1	
	Clinic (small size hospital)		3		Hospital for Serious Patients (large size hospital)		0		Clinic (small size hospital) 2 Hospital for Serious Patients (large size hospital) 1	
	Number of Daily Life Facilities		Bank		0		Number of Daily Life Facilities		Bank	
	Post Office		0		Market		1		Post Office 1 Market 1	
	Bus Stop		1		Public Offices (Town Hall branch, etc.)		0		Bus Stop 1 Public Offices (Town Hall branch, etc.) Yes	
	Main Land Use	Forest			Detail of products sent to markets through the bridge location (Name of the products, total amount/price per year of each product): rice, Maize, Manioc: 500 tons/2,000,000d/year					
	Main Production	Agriculture, Forestry								
Present Condition of Access Road	Road Class	National / Provincial / District / Others ()				Road Width	Average Road Width m, Average Carriage Way Width m			
	Surface Type	Gravel				Actual Road Condition	Good / Normal / Bad / Poor / Others ()			
	Average Traffic Volume (car/day)	Big Bus	Small Bus	Passenger Car	Motor Bike	Big Truck	Small Truck	Cart (drawn by animals)	Bicycle and pedestrian	Boat
				5	300	25 travelling by causeway	37		570	0
	Place of Bottleneck	Bridge / Tunnel / Narrow Width Section / Others ()				Minimum Width	m		Traffic Control	Up to tone
	Remarks	Detail of bottlenecks in the access roads:								
Relevant Development Plan	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 :				
	Material No.		Material No.	Material No.	Material No.	1 2 3 4 5 6				
	Yes / No		Yes / No	Yes / No	Yes / No	Reason of the priority :				
	Material No.		Material No.	Material No.	Material No.	X				
	Yes / No		Yes / No	Yes / No	Yes / No					
River Condition	Low Water Level	Depth	m	River Width	m	River Gradient (Estimate)				
	Highest Flood	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 Average Height of River Bed			Boulder					
	Navigation to be considered	No m number and type of ships:								
	Up Stream Side	Special Remarks								
	Down Stream Side	Special Remarks								
Bridge Construction	Transportation of Steel Girder from the Provincial Capital		Transportation Route	Other Additional Information to be Noted						
	Carrying Method		Trailer Truck							
	Road Condition for Transportation		Suitable							
	Any Bottleneck for Transportation ()									
	Coffering for Piers		Earth Bank with Sand Bags / No Need (No water in dry season)							
	Steel Girder Erection		Suitable for Bent and Truck Crane Method Yes Required Other Specials Erection Methods ()							
Foundation Type		Spread Foundation								
(Assumption)		/ Special Foundation ()								
Expected Work Hinder										
Remark										

QUESTIONNAIRE ON REQUESTED BRIDGES

Date of Answer: March / /2006

Name of Respondent: _____

Title of Respondent: _____

Bridge No.	No. 29	Bridge Name	Soi Trat	Province Name	Lao Cai	Road Network around the Bridge (conceptual map)						
Bridge Location	The Road on which the bridge exist			Nearest City (with population over 20,000)								
	Road Name		Station of the Bridge	Name of the City		Distance From the Bridge						
	Son Ha communal road		Km 0+900	Lu street		6 km						
Present Condition of Bridge	Bridge Length	m	Span	(	m+	m+	m+	m+	m)			
	Bridge Width	m	Carriage Way Width	m								
	Superstructure Type	Suspension Bridge										
	Substructure Type	RC Column / RC Pile / Wooden Pile / Masonry / Nile / Other ()										
	Present Condition (Eye Check)	Good / Old / Weak / Non Serious Damage / Serious Damage / Flow Out / Other ()										
	Necessity of Reconstruction	Yes Reason: To serve the travelling of the local people; To socio-economic development in region. ()										
Number of Days of Closed to Traffic	Vehicle / Bike etc.:	60	days/year,	pedestrian or Bicycle:	60	days/year						
Actual State of Social Economic	Information of Villages Beyond the Bridge				Information of the Nearest City (with population over 20,000)							
	Number of Village	2	villages	Name of Regional Town	Son Hai	Name of City	Pho Lu	Access Time from the Bridge	15	minutes		
	Population	21507	persons	Number of Household	703	households	Population of City	9347	persons	Number of Household	2496	households
	Average Income	350.000	Dong/month	Population Ratio of Minority	%	Average Income	550.000	Dong/month	Access Time from the main village beyond the bridge site (by general means of trip for the residents)	minutes		
	Rate of School Attendance (Elementary School)	99	%	Rate of School Attendance (Junior High School)	91	%	Remarks					
	Number of Educational Facilities		Junior High School		2	Number of Educational Facilities		Junior High School		2		
	Elementary School		2	High School		Elemental School		2	High School		2	
	Number of Medical Facilities		Emergency Hospital (middle size hospital)		Number of Medical Facilities		Emergency Hospital (middle size hospital)		1			
	Clinic (small size hospital)		2	Hospital for Serious Patients (large size hospital)		Clinic (small size hospital)		1	Hospital for Serious Patients (large size hospital)		1	
	Number of Daily Life Facilities		Bank		Number of Daily Life Facilities		Bank					
	Post Office		Market		1	Post Office		1	Market		1	
	Bus Stop		Public Offices (Town Hall branch, etc.)		Bus Stop		1	Public Offices (Town Hall branch, etc.)		Yes		
	Main Land Use	Forest		Detail of products sent to markets through the bridge location (Name of the products, total amount/price per year of each product)								
Main Production	Agriculture, Forestry											
Present Condition of Access Road	Road Class	National / Provincial / District / Others ()			Road Width	Average Road Width		m,	Average Carriage Way Width			m
	Surface Type	Gravel			Actual Road Condition	Good / Normal / Bad / Poor / Others ()						
	Average Traffic Volume (car/day)	Big Bus	Small Bus	Passenger Car	Motor Bike	700	Big Track	Small Track	Cart (drawn by animals)	Bicycle and pedestrian	Boat	
	Place of Bottleneck	Bridge / Tunnel / Narrow Width Section / Others ()			Minimum Width	m		Traffic Control	Up to			tone
	Remarks	Detail of bottlenecks in the access roads:										
Relevant Development Plan	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.	Material No.	1	2	3	4	5	6
	District Level		Yes / No	Yes / No	Yes / No	Yes / No	Reason of the priority:					
	Material No.		Material No.	Material No.	Material No.	Material No.						
Province Level	Yes / No		Yes / No	Yes / No	Yes / No							
	Material No.		Material No.	Material No.	Material No.							
River Condition	Low Water Level	Depth	m	River Width	m	River Gradient (Estimate)						
	Highest Flood	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 Average Height of River Bed			Boulder							
	Navigation to be considered	No m number and type of ships:										
	Up Stream Side	Special Remarks										
Down Stream Side	Special Remarks											
Bridge Construction	Transportation of Steel Girder from the Provincial Capital		Transportation Route	Other Additional Information to be Noted								
	Carrying Method		Trailer Truck									
	Road Condition for Transportation		Suitable									
	Any Bottleneck for Transportation ()											
	Coffering for Piers		Earth Bank with Sand Bags / No Need (No water in dry season)									
	Steel Girder Erection		Suitable for Bent and Truck Crane Method Yes Required Other Specials Erection Methods ()									
Foundation Type		Spread Foundation										
(Assumption)		/ Special Foundation ()										
Expected Work Hinder												
Remark												

QUESTIONNAIRE ON REQUESTED BRIDGES

Date of Answer: March / 7 /2006

Name of Respondent: MA Van Thang

Title of Respondent: Chairman of CPC

Bridge No.	No. 30	Bridge Name	Ban Nghien	Province Name	Tuyen Quang	Road Network around the Bridge (conceptual map)						
Bridge Location	The Road on which the bridge exist			Nearest City (with population over 20,000)								
	Road Name		Station of the Bridge		Name of the City		Distance From the Bridge					
	Chiem Hoa - Linh Phu		Km 20+00		Vinh Loc		20km					
Present Condition of Bridge	Bridge Length	20 m		Span	(m+ m+ m+ m+ m)							
	Bridge Width	1 m		Carriage Way Width	1 m							
	Superstructure Type	Wooden Bridge										
	Substructure Type	Masonry										
	Present Condition (Eye Check)	Old										
Necessity of Reconstruction	Yes Reason : To serve travelling of local people, exchange of goods; to socio-economic development in region.											
Number of Days of Closed to Traffic	Vehicle / Bike etc. : 60		days/year.		pedestrian or Bicycle : 60		days/year					
Actual State of Social Economic	Information of Villages Beyond the Bridge				Information of the Nearest City (with population over 20,000)							
	Number of Village	6 villages		Name of Regional Town	Lang Quang		Name of City	Vinh Loc Chiem Hoa		Access Time from the Bridge	60 minutes	
	Population	1747 persons		Number of Household	62 households		Population of City	7136 persons		Number of Household	1701 households	
	Average Income	200,000 Dong/month		Population Ratio of Minority	100		Average Income	500,000 Dong/month		Access Time from the main village beyond the bridge site (by general means of trip for the residents)	minutes	
	Rate of School Attendance (Elementary School)	100 %		Rate of School Attendance (Junior High School)	100		Remarks				By motorbike, bicycle	
	Number of Educational Facilities		Junior High School		0		Number of Educational Facilities		Junior High School		2	
	Elementary School		2		High School		0		Elementary School		2	
	Number of Medical Facilities		Emergency Hospital (middle size hospital)		0		Number of Medical Facilities		Emergency Hospital (middle size hospital)		1	
	Clinic (small size hospital)		1		Hospital for Serious Patients (large size hospital)		0		Clinic (small size hospital)		Hospital for Serious Patients (large size hospital)	
	Number of Daily Life Facilities		Bank		0		Number of Daily Life Facilities		Bank		1	
	Post Office		1		Market		0		Post Office		1	
	Bus Stop		Public Offices (Town Hall branch, etc.)		0		Bus Stop		Public Offices (Town Hall branch, etc.)		1	
	Main Land Use	Rice Field, Forest				Detail of products sent to markets through the bridge location (Name of the products, total amount/price per year of each product): Maize, Rice, Sugar cane, Manioc: 350 tons/2,000,000d						
	Main Production	Agriculture, Forestry										
Present Condition of Access Road	Road Class	District road				Road Width: 6m	Average Road Width 5.5 m		Average Carriage Way Width 3.5 m			
	Surface Type	Gravel				Actual Road Condition	Normal					
	Average Traffic Volume (car/day)	Big Bus	Small Bus	Passenger Car	Motor Bike	Big Truck	Small Truck	Cart (drawn by animals)	Bicycle and pedestrian	Boat		
	Place of Bottleneck	Bridge / Tunnel / Narrow Width Section / Others ()				Minimum Width	m		Traffic Control	Up to	tone	
	Remarks	Detail of bottlenecks in the access roads:										
Relevant Development Plan	Village Level	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 : 1 2 3 4 5 6						
	District Level	Material No.	Material No.	Material No.	Material No.	Reason of the priority :						
		Yes / No	Yes / No	Yes / No	Yes / No	X						
	Province Level	Material No.	Material No.	Material No.	Material No.							
Yes / No		Yes / No	Yes / No	Yes / No								
River Condition	Low Water Level	Depth m	River Width m	River Gradient (Estimate)								
	Highest Flood	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 Average Height of River Bed		Fine Sand, Sand								
	Navigation to be considered	No m number and type of ships:										
	Up Stream Side	Special Remarks										
Down Stream Side	Special Remarks											
Bridge Construction	Transportation of Steel Girder from the Provincial Capital	Transportation Route	~ ~		Other Additional Information to be Noted							
		Carrying Method	Trailer Truck		1. Current bridge maintenance budget and system							
		Road Condition for Transportation	Suitable		2. Current and expected projects by other donors (WB, ADB, JBIC, etc.)							
	Bridge Construction	Any Bottleneck for Transportation ()										
		Coffering for Piers	Earth Bank with Sand Bags / No Need (No water in dry season)									
Steel Girder Erection		Suitable for Bent and Truck Crane Method (Yes / No)										
Foundation Type	RC Pile (L < 15m)											
(Assumption)	/ Special Foundation ()											
Expected Work Hinder	No											
Remark												

QUESTIONNAIRE ON REQUESTED BRIDGES

Date of Answer: March / /2006

Name of Respondent: _____

Title of Respondent: _____

Bridge No.	No. 31	Bridge Name	Cau Trinh	Province Name	Tuyen Quang	Road Network around the Bridge (conceptual map)																												
Bridge Location	The Road on which the bridge exist			Nearest City (with population over 20,000)																														
	Road Name		Station of the Bridge		Name of the City		Distance From the Bridge																											
	Chiem Hoa , Linh Phu		Km 8+00		Vinh Loc		8km																											
Present Condition of Bridge	Bridge Length	73 m		Span		(m+ m+ m+ m+ m)																												
	Bridge Width	2.3 m		Carriage Way Width		2.3 m																												
	Superstructure Type	Suspension Bridge																																
	Substructure Type	RC Colume)																																
	Present Condition (Eye Check)	Old																																
	Necessity of Reconstruction	Yes Reason: Old suspension bridge can not travel by loading vehicle; Exchanges of goods can not be operated)																																
	Number of Days of Closed to Traffic	Vehicle / Bike etc. :		days/year.		pedestrian or Bicycle :		days/year																										
Actual State of Social Economic	Information of Villages Beyond the Bridge					Information of the Nearest City (with population over 20,000)																												
	Number of Village	5 villages		Name of Regional Town		Soi Dung		Name of City		Vinh Loc Chiem Hoa		Access Time from the Bridge		30 minutes																				
	Population	2235 persons		Number of Household		103 households		Population of City		7136 persons		Number of Household		1701 households																				
	Average Income	300,000 Dong/month		Population Ratio of Minority		75		% Average Income		500,000 Dong/month		Access Time from the main village beyond the bridge site (by general means of trip for the residents)		minutes																				
	Rate of School Attendance (Elementary School)	100		Rate of School Attendance (Junior High School)		90		% Remarks				By motorbike, bicycle																						
	Number of Educational Facilities			Junior High School			0			Number of Educational Facilities			Junior High School			2																		
	Elementary School			1			High School			0			Elemental School			2																		
	Number of Medical Facilities			Emergency Hospital (middle size hospital)			0			Number of Medical Facilities			Emergency Hospital (middle size hospital)			1																		
	Clinic (small size hospital)			1			Hospital for Serious Patients (large size hospital)			0			Clinic (small size hospital)			Hospital for Serious Patients (large size hospital)																		
	Number of Daily Life Facilities			Bank			0			Number of Daily Life Facilities			Bank			1																		
	Post Office						Market			0			Post Office			1																		
	Bus Stop						Public Offices (Town Hall branch, etc.)			0			Bus Stop			Public Offices (Town Hall branch, etc.)																		
	Main Land Use	Rice Field, sugar cane farm					Detail of products sent to markets through the bridge location (Name of the products, total amount/price per year of each product): Rice, Maize, Sugar cane: 500 tons/2,000,000d/year																											
Main Production	Agriculture, Forestry																																	
Present Condition of Access Road	Road Class	District road				Road Width: 6	Average Road Width 5.5 m		Average Carriage Way Width 3.5 m																									
	Surface Type	Concrete / Asphalt / Bitumen Seal / Gravel / Soil / Others ()				Actual Road Condition	Normal																											
	Average Traffic Volume (car/day)	Big Bus		Small Bus		Passenger Car		Motor Bike		Big Truck		Small Truck		Cart (drawn by animals)		Bicycle and pedestrian		Boat																
	Place of Bottleneck	Bridge / Tunnel / Narrow Width Section / Others ()				Minimum Width		m		Traffic Control		Up to		tone																				
	Remarks	Detail of bottlenecks in the access roads:																																
	Relevant Development Plan	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		Yes / No		Yes / No		Yes / No		Yes / No		Yes / No		Priority :		1		2		3		4		5		6		
District Level		Yes / No		Yes / No		Yes / No		Yes / No		Yes / No		Yes / No		Yes / No		Yes / No		Yes / No		Reason of the priority :				X										
Province Level		Yes / No		Yes / No		Yes / No		Yes / No		Yes / No		Yes / No		Yes / No		Yes / No		Yes / No																
Material No.																																		
Material No.																																		
Material No.																																		
River Condition	Low Water Level	Depth m		River Width m		River Gradient (Estimate)																												
	Highest Flood	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 Average Height of River Bed					Sand , Gravel																											
	Navigation to be considered	No m number and type of ships:																																
	Up Stream Side	Special Remarks																																
Down Stream Side	Special Remarks																																	
Bridge Construction	Transportation of Steel Girder from the Provincial Capital		Transportation Route		~		~		Other Additional Information to be Noted																									
	Carrying Method		Trailer Truck						1. Current bridge maintenance budget and system																									
	Road Condition for Transportation		Suitable						2. Current and expected projects by other donors (WB, ADB, JBIC, etc.)																									
	Any Bottleneck for Transportation ()																																	
	Coffering for Piers		Earth Bank with Sand Bags / No Need (No water in dry season)																															
	Steel Girder Erection		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																																
Remark																																		

QUESTIONNAIRE ON REQUESTED BRIDGES

Date of Answer: March / /2006

Name of Respondent: _____

Title of Respondent: _____

Bridge No.	No. 32	Bridge Name	Na Nham	Province Name	Tuyen Quang	Road Network around the Bridge (conceptual map)					
Bridge Location	The Road on which the bridge exist			Nearest City (with population over 20,000)							
	Road Name	Station of the Bridge		Name of the City		Distance From the Bridge					
	PR 188	Km 3+00		Vinh Loc		3km					
Present Condition of Bridge	Bridge Length	m	Span	(m+ m+ m+ m+ m)							
	Bridge Width	m	Carriage Way Width	m							
	Superstructure Type	No bridge									
	Substructure Type	RC Column / RC Pile / Wooden Pile / Masonry / Nile / Other ()									
	Present Condition (Eye Check)	Good / Old / Weak / Non Serious Damage / Serious Damage / Flow Out / Other ()									
	Necessity of Reconstruction	Yes Reason: To serve the travelling of the local people; To socio-economic development in region.)									
Number of Days of Closed to Traffic	Vehicle / Bike etc.: 365 days/year. pedestrian or Bicycle: 365 days/year										
Actual State of Social Economic	Information of Villages Beyond the Bridge				Information of the Nearest City (with population over 20,000)						
	Number of Village	5 villages		Name of Regional Town	Na Thoi	Name of City	Vinh Loc	Access Time from the Bridge	15 minutes		
	Population	1699 persons		Number of Household	81 households	Population of City	7136 persons	Number of Household	1701 households		
	Average Income	300.000 Dong/month		Population Ratio of Minority	85	Average Income	500.000 Dong/month	Access Time from the main village beyond the bridge site (by general means of trip for the residents)	minutes		
	Rate of School Attendance (Elementary School)	100 %		Rate of School Attendance (Junior High School)	80	Remarks					
	Number of Educational Facilities			Junior High School	0	Number of Educational Facilities			Junior High School	2	
	Elementary School			1	High School	0	Elementary School			2	
	Number of Medical Facilities			Emergency Hospital (middle size hospital)	0	Number of Medical Facilities			Emergency Hospital (middle size hospital)	1	
	Clinic (small size hospital)			1	Hospital for Serious Patients (large size hospital)	0	Clinic (small size hospital)			Hospital for Serious Patients (large size hospital)	
	Number of Daily Life Facilities			Bank	0	Number of Daily Life Facilities			Bank	1	
	Post Office				Market	0	Post Office			1	
	Bus Stop				Public Offices (Town Hall branch, etc.)	0	Bus Stop			Public Offices (Town Hall branch, etc.)	
	Main Land Use	Rice Field, Forest				Detail of products sent to markets through the bridge location (Name of the products, total amount/price per year of each product): Rice, Maize, Manioc: 400 tons/2,000,000\$/year					
Main Production	Agriculture, Forestry, Fishily										
Present Condition of Access Road	Road Class	District road and inter-communal road				Road Width: 5	Average Road Width 4.5 m		Average Carriage Way Width m		
	Surface Type	Soil				Actual Road Condition	Bad				
	Average Traffic Volume (car/day)	Big Bus	Small Bus	Passenger Car	Motor Bike	Big Track	Small Track	Cart (drawn by animals)	Bicycle and pedestrian	Boat	
	Place of Bottleneck	Bridge / Tunnel / Narrow Width Section / Others ()				Minimum Width	m	Traffic Control	Up to	tone	
	Remarks	Detail of bottlenecks in the access roads:									
Relevant Development Plan	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 / No	Yes / No	Yes / No	Yes / No	X					
		Material No.	Material No.	Material No.	Material No.	Reason of the priority:					
River Condition	Low Water Level	Depth	m	River Width	m	River Gradient (Estimate)					
	Highest Flood	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 Average Height of River Bed			Fine Sand						
	Navigation to be considered	Yes m number and type of ships:									
	Up Stream Side	Special Remarks									
Down Stream Side	Special Remarks										
Bridge Construction	Transportation Route	~ ~									
	Transportation of Steel Girder from the Provincial Capital	Carrying Method	Trailer Truck								
		Road Condition for Transportation	Suitable / Possible / Possible with small Repair / Impossible								
		Any Bottleneck for Transportation ()									
	Bridge Construction	Coffering for Piers	Sheet Pile / Earth Bank with Sand Bags / River Diversion / No Need (No water in dry season)								
		Steel Girder Erection	Suitable for Bent and Truck Crane Method (Yes / No)								
		Required Other Specials Erection Methods ()									
	Foundation Type	Spread Foundation / RC Pile (L < 15m) / RC Pile (L > 15m)									
	(Assumption)	/ Special Foundation ()									
	Expected Work Hinder	No									
Remark											
Other Additional Information to be Noted											
1. Current bridge maintenance budget and system											
2. Current and expected projects by other donors (WB, ADB, JBIC, etc.)											

QUESTIONNAIRE ON REQUESTED BRIDGES

Date of Answer: March / 8 /2006

Name of Respondent: _____

Title of Respondent: _____

Bridge No.	No. 33	Bridge Name	Sung	Province Name	Tuyen Quang	Road Network around the Bridge (conceptual map)					
Bridge Location	The Road on which the bridge exist			Nearest City (with population over 20,000)							
	Road Name	Station of the Bridge		Name of the City		Distance From the Bridge					
	Inter-communal road	Km 3+500		Son Duong		50km					
Present Condition of Bridge	Bridge Length	m	Span	(	m+	m+	m+	m+	m)	
	Bridge Width	m	Carriage Way Width	m							
	Superstructure Type	No bridge									
	Substructure Type	Masonry stone abutment									
	Present Condition (Eye Check)	Flow Out									
	Necessity of Reconstruction	Yes / No	Reason ()								
	Number of Days of Closed to Traffic	Vehicle / Bike etc. : 365 days/year.				pedestrian or Bicycle : 60 days/year					
Actual State of Social Economic	Information of Villages Beyond the Bridge				Information of the Nearest City (with population over 20,000)						
	Number of Village	6 villages	Name of Regional Town	Sung Le	Name of City	Son Duong	Access Time from the Bridge	75 minutes			
	Population	2055 persons	Number of Household	80 households	Population of City	12951 persons	Number of Household	3148 households			
	Average Income	300,000 Dong/month	Population Ratio of Minority	80 %	Average Income	500,000 Dong/month	Access Time from the main village beyond the bridge site (by general means of trip for the residents)	minutes			
	Rate of School Attendance (Elementary School)	%	Rate of School Attendance (Junior High School)	85 %	Remarks	By motorbike, bicycle					
	Number of Educational Facilities		Junior High School	0	Number of Educational Facilities		Junior High School	2			
	Elementary School		High School	0	Elemental School	3	High School	1			
	Number of Medical Facilities		Emergency Hospital (middle size hospital)	0	Number of Medical Facilities		Emergency Hospital (middle size hospital)	1			
	Clinic (small size hospital)		Hospital for Serious Patients (large size hospital)	0	Clinic (small size hospital)		Hospital for Serious Patients (large size 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 Offices (Town Hall branch, etc.)	0	Bus Stop		Public Offices (Town Hall branch, etc.)				
	Main Land Use	Rice Field			Detail of products sent to markets through the bridge location (Name of the products, total amount/price per year of each product): Rice, Maize, Manioc: 500 tons/2,000,000\$/year						
Main Production	Agriculture / Forestry / Industry / Commerce / Fishly / Others ()										
Present Condition of Access Road	Road Class	District road				Road Width: 5	Average Road Width	4.5 m	Average Carriage Way Width	3.5 m	
	Surface Type	Gravel				Actual Road Condition	Normal				
	Average Traffic Volume (car/day)	Big Bus	Small Bus	Passenger Car	Motor Bike	Big Track	Small Track	Cart (drawn by animals)	Bicycle and pedestrian	Boat	
					380						
	Place of Bottleneck	Bridge / Tunnel / Narrow Width Section / Others ()				Minimum Width	m	Traffic Control	Up to	tone	
	Remarks	Detail of bottlenecks in the access roads:									
Relevant Development Plan		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 / 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	Old bridge was flew out in 2001. at present due to no bridge has been effected to travelling of local people and socio-economic development in region.						
	Material No.	Material No.	Material No.	Material No.							
River Condition	Low Water Level	Depth	m	River Width	m	River Gradient (Estimate)					
	Highest Flood	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 Average Height of River Bed			Silt / Fine Sand / Sand / Gravel / Boulder / Rock						
	Navigation to be considered	No m number and type of ships:									
	Up Stream Side	Special Remarks									
Down Stream Side	Special Remarks										
Bridge Construction	Transportation of Steel Girder from the Provincial Capital	Transportation Route	~ ~		Other Additional Information to be Noted						
		Carrying Method	Trailer Truck								
		Road Condition for Transportation	Suitable								
		Any Bottleneck for Transportation ()									
	Bridge Construction	Coffering for Piers	Earth Bank with Sand Bags / No Need (No water in dry season)								
		Steel Girder Erection	Suitable for Bent and Truck Crane Method (Yes / No)								
		Required Other Specials Erection Methods ()									
	Foundation Type	RC Pile (L < 15m)									
	(Assumption)	/ Special Foundation ()									
	Expected Work Hinder	No									
Remark											

QUESTIONNAIRE ON REQUESTED BRIDGES

Date of Answer: March / /2006

Name of Respondent: _____

Title of Respondent: _____

Bridge No.	No. 34	Bridge Name	Ngoi Lien		Province Name	Tuyen Quang		Road Network around the Bridge (conceptual map)				
Bridge Location	The Road on which the bridge exist			Nearest City (with population over 20,000)								
	Road Name	Station of the Bridge		Name of the City		Distance From the Bridge						
Present Condition of Bridge	Bridge Length	18 m	Span	(m+ m+ m+ m+ m)								
	Bridge Width	1.5 m	Carriage Way Width	1.5 m								
	Superstructure Type	Wooden Bridge										
	Substructure Type	None										
	Present Condition (Eye Check)	Weak										
	Necessity of Reconstruction	Yes Reason: To serve the travelling of the local people; To socio-economic development										
Number of Days of Closed to Traffic	Vehicle / Bike etc. : 60 days/year, pedestrian or Bicycle : 60 days/year											
Actual State of Social Economic	Information of Villages Beyond the Bridge				Information of the Nearest City (with population over 20,000)							
	Number of Village	7 villages	Name of Regional Town	Dong Ninh		Name of City	Son Dung		Access Time from the Bridge	45 minutes		
	Population	1563 persons	Number of Household	124 households		Population of City	12951 persons		Number of Household	3148 households		
	Average Income	300,000 Dong/month	Population Ratio of Minority	60 %		Average Income	500,000 Dong/month		Access Time from the main village beyond the bridge site (by general means of trip for the residents)			
	Rate of School Attendance (Elementary School)	100 %	Rate of School Attendance (Junior High School)	80 %		Remarks						
	Number of Educational Facilities		Junior High School		0		Number of Educational Facilities		Junior High School		2	
	Elementary School		1		High School		0		Elementary School		3	
	Number of Medical Facilities		Emergency Hospital (middle size hospital)		0		Number of Medical Facilities		Emergency Hospital (middle size hospital)			
	Clinic (small size hospital)		1		Hospital for Serious Patients (large size hospital)		0		Clinic (small size hospital)		Hospital for Serious Patients (large size hospital)	
	Number of Daily Life Facilities		Bank		0		Number of Daily Life Facilities		Bank		1	
Post Office				Market		0		Post Office		1		
Bus Stop				Public Offices (Town Hall branch, etc.)		0		Bus Stop		Public Offices (Town Hall branch, etc.)		
Main Land Use	Rice Field, Forest				Detail of products sent to markets through the bridge location (Name of the products, total amount/price per year of each product): Rice, Maize, Sugar cane: 200 tons/year							
Main Production	Agriculture, Forestry											
Present Condition of Access Road	Road Class	Inter-communal road				Road Width: 5	Average Road Width	4.5 m		Average Carriage Way Width	3.5 m	
	Surface Type	Gravel				Actual Road Condition	Normal					
	Average Traffic Volume (car/day)	Big Bus	Small Bus	Passenger Car	Motor Bike	Big Truck	Small Truck	Cart (drawn by animals)	Bicycle and pedestrian	Boat		
	Place of Bottleneck	Bridge / Tunnel / Narrow Width Section / Others ()				Minimum Width	m		Traffic Control	Up to tone		
	Remarks	Detail of bottlenecks in the access roads:										
Relevant Development Plan		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 / No	Yes / No	Yes / No	Yes / No	Reason of the priority :						
		Material No.	Material No.	Material No.	Material No.	X						
Province Level	Yes / No	Yes / No	Yes / No	Yes / No								
	Material No.	Material No.	Material No.	Material No.								
River Condition	Low Water Level	Depth	m	River Width	m	River Gradient (Estimate)						
	Highest Flood	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 Average Height of River Bed			Silt							
	Navigation to be considered	No m number and type of ships:										
Up Stream Side	Special Remarks											
Down Stream Side	Special Remarks											
Bridge Construction	Transportation of Steel Girder from the Provincial Capital	Transportation Route	~ ~		Other Additional Information to be Noted							
		Carrying Method	Trailer Truck		1. Current bridge maintenance budget and system							
		Road Condition for Transportation	Suitable		2. Current and expected projects by other donors (WB, ADB, JBIC, etc.)							
		Any Bottleneck for Transportation ()										
	Bridge Construction	Coffering for Piers	Earth Bank with Sand Bags / No Need (No water in dry season)									
	Steel Girder Erection	Suitable for Bent and Truck Crane Method: Yes										
	Foundation Type	RC Pile (L < 15m)										
	(Assumption)	/ Special Foundation ()										
Expected Work Hinder	No											
Remark												

QUESTIONNAIRE ON REQUESTED BRIDGES

Date of Answer: March / /2006

Name of Respondent: _____

Title of Respondent: _____

Bridge No.	No. 35	Bridge Name	Dong Ach	Province Name	Tuyen Quang	Road Network around the Bridge (conceptual map)						
Bridge Location	The Road on which the bridge exist			Nearest City (with population over 20,000)								
	Road Name		Station of the Bridge		Name of the City		Distance From the Bridge					
	Inter-communal road		Km 2+00		Son Duong		30km					
Present Condition of Bridge	Bridge Length	50 m		Span	(6 m+ 6 m+ 6 m+ 6 m)							
	Bridge Width	1.8 m		Carriage Way Width	1.8 m							
	Superstructure Type	Wooden Bridge										
	Substructure Type	gabion column with steel net Column										
	Present Condition (Eye Check)	Weak										
	Necessity of Reconstruction	Yes Reason: To serve the travelling of the local people. To socio-economic development.										
Number of Days of Closed to Traffic	Vehicle / Bike etc. :		days/year. pedestrian or Bicycle :		days/year							
Actual State of Social Economic	Information of Villages Beyond the Bridge				Information of the Nearest City (with population over 20,000)							
	Number of Village	7 villages		Name of Regional Town	Dong Chay	Name of City	Son Duong	Access Time from the Bridge	35 minutes			
	Population	2325 persons		Number of Household	77 households	Population of City	12951 persons	Number of Household	3148 households			
	Average Income	30,000 Dong/month		Population Ratio of Minority	60	Average Income	500,000 Dong/month	Access Time from the main village beyond the bridge site (by general means of trip for the residents)	minutes			
	Rate of School Attendance (Elementary School)	100		Rate of School Attendance (Junior High School)	80	Remarks	By motorbike, bicycle					
	Number of Educational Facilities			Junior High School	0	Number of Educational Facilities			Junior High School	2		
	Elementary School			1	High School	0	Elementary School			3	High School	1
	Number of Medical Facilities			Emergency Hospital (middle size hospital)	0	Number of Medical Facilities			Emergency Hospital (middle size hospital)	1		
	Clinic (small size hospital)			1	Hospital for Serious Patients (large size hospital)	0	Clinic (small size hospital)			Hospital for Serious Patients (large size hospital)		
	Number of Daily Life Facilities			Bank	0	Number of Daily Life Facilities			Bank	1		
	Post Office			1	Market	0	Post Office			1	Market	1
	Bus Stop				Public Offices (Town Hall branch, etc.)	0	Bus Stop			Public Offices (Town Hall branch, etc.)		Yes
Main Land Use	Rice Field				Detail of products sent to markets through the bridge location (Name of the products, total amount/price per year of each product): Rice, Maize, Manioc: 300 tons/ 2,000,000d/year							
Main Production	Agriculture											
Present Condition of Access Road	Road Class	Inter-communal road				Road Width:5	Average Road Width 4.5 m		Average Carriage Way Width		m	
	Surface Type	Soil				Actual Road Condition	Normal					
	Average Traffic Volume (car/day)	Big Bus	Small Bus	Passenger Car	Motor Bike	Big Track	Small Track	Cart (drawn by animals)	Bicycle and pedestrian	Boat		
	Place of Bottleneck	Bridge / Tunnel / Narrow Width Section / Others ()				Minimum Width	m		Traffic Control	Up to tone		
	Remarks	Detail of bottlenecks in the access roads:										
Relevant Development Plan		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 / No	Yes / No	Yes / No	Yes / No	Reason of the priority:						
		Material No.	Material No.	Material No.	Material No.	X						
Province Level	Yes / No	Yes / No	Yes / No	Yes / No								
	Material No.	Material No.	Material No.	Material No.								
River Condition	Low Water Level	Depth	m	River Width	m	River Gradient (Estimate)						
	Highest Flood	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 Average 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											
Bridge Construction	Transportation of Steel Girder from the Provincial Capital	Transportation Route	~ ~		Other Additional Information to be Noted							
		Carrying Method	Trailer Truck		1. Current bridge maintenance budget and system							
		Road Condition for Transportation	Suitable		2. Current and expected projects by other donors (WB, ADB, JBIC, etc.).							
		Any Bottleneck for Transportation ()										
	Bridge Construction	Coffering for Piers	Earth Bank with Sand Bags / No Need (No water in dry season)									
		Steel Girder Erection	Suitable for Bent and Truck Crane Method (Yes / No) Required Other Specials Erection Methods ()									
Foundation Type		RC Pile (L < 15m)										
(Assumption)	/ Special Foundation ()											
Expected Work Hinder	No											
Remark												

QUESTIONNAIRE ON REQUESTED BRIDGES

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 Name	Na Lan	Province Name	Ha Giang	Road Network around the Bridge (conceptual map)					
Bridge Location	The Road on which the bridge exist			Nearest City (with population over 20,000)							
	Road Name		Station of the Bridge		Name of the City		Distance From the Bridge				
	Ban Ngo - Ta Ninh		Km0+300		Xi Man town		2km				
Present Condition of Bridge	Bridge Length	50 m	Span	(40 m+ m+ m+ m+ m)							
	Bridge Width	2.5 m	Carriage Way Width	2.3 m							
	Superstructure Type	Suspension Bridge									
	Substructure Type	Suspension Bridge									
	Present Condition (Eye Check)	Old, Weak									
	Necessity of Reconstruction	Yes Reason: Socio-economic development for 3 communes in Southern area; the pupil go to school, the patient go to hospital									
Number of Days of Closed to Traffic	Vehicle / Bike etc. :		days/year. pedestrian or Bicycle :		days/year						
Actual State of Social Economic	Information of Villages Beyond the Bridge				Information of the Nearest City (with population over 20,000)						
	Number of Village	53 villages	Name of Regional Town	Na Lan village	Name of City	Cac Pai town	Access Time from the Bridge	15 minutes			
	Population	9700 persons	Number of Household	1863 households	Population of City	12199 persons	Number of Household	2088 households			
	Average Income	200.000 Dong/month	Population Ratio of Minority	99 %	Average Income	250.000 Dong/month	Access Time from the main village beyond the bridge site (by general means of trip for the residents)	hour/minutes			
	Rate of School Attendance (Elementary School)	30 %	Rate of School Attendance (Junior High School)	25 %	Remarks	By					
	Number of Educational Facilities		Junior High School		4	Number of Educational Facilities		Junior High School		2	
	Elementary School	6	High School	0	Elemental School	4	High School	1			
	Number of Medical Facilities		Emergency Hospital (middle size hospital)		0	Number of Medical Facilities		Emergency Hospital (middle size hospital)		1	
	Clinic (small size hospital)	4	Hospital for Serious Patients (large size hospital)	0	Clinic (small size hospital)	4	Hospital for Serious Patients (large size hospital)	0			
	Number of Daily Life Facilities		Bank		0	Number of Daily Life Facilities		Bank		2	
	Post Office	4	Market	0	Post Office	4	Market	1			
	Bus Stop	0	Public Offices (Town Hall branch, etc.)	0	Bus Stop	0	Public Offices (Town Hall branch, etc.)	1			
	Main Land Use	Rice Field, Forest			Detail of products sent to markets through the bridge location (Name of the products, total amount/price per year of each product): Rice: 70.230kg/2.500d/year, Wood: 0150m ³ /970.000d/year						
Main Production	Agriculture, Forestry										
Present Condition of Access Road	Road Class	National road			Road Width 7m	Average Road Width	6 m	Average Carriage Way Width	3.5 m		
	Surface Type	Bitumen Seal			Actual Road Condition	Good					
	Average Traffic Volume (car/day)	Big Bus	Small Bus	Passenger Car	Motor Bike	Big Track	Small Track	Cart (drawn by animals)	Bicycle and pedestrian	Boat	
		0	0	4	120	2	5	0	70	0	
	Place of Bottleneck	Bridge / Tunnel / Narrow Width Section / Others: No			Minimum Width	m		Traffic Control	Up to tone		
Remarks	Detail of bottlenecks in the access roads: No										
Relevant Development Plan	Village Level	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 :					
	District Level	Material No.	Material No.	Material No.	Material No.	1 2 3 4 5 6					
		Yes / No	Yes / No	Yes / No	Yes / No	X					
	Province Level	Material No.	Material No.	Material No.	Material No.	Reason of the priority :					
		Yes / No	Yes / No	Yes / No	Yes / No	The pupils go to school in favourable condition					
River Condition	Low Water Level	Depth	1 m	River Width	m	River Gradient (Estimate)	3%				
	Highest Flood	Depth	5 m	River Width	40 m	Year of the Flood					
		Velocity	m/sec		Rapid flow						
	Tidal effects	Have / No			River Bed Material						
	Bridge Surface Elevation	m from Average Height of River Bed			Sand, Gravel						
	Navigation to be considered	Yes or No			m		number and type of ships:		0		
	Up Stream Side	Special Remarks	There is suspension bridge								
	Down Stream Side	Special Remarks	0								
Bridge Construction	Transportation of Steel Girder from the Provincial Capital	Transportation Route	Provincial Road 177 Bao Quang - Xin Man								
		Carrying Method	Trailer Truck								
		Road Condition for Transportation	Suitable / Possible / Possible with small Repair / Impossible								
	Any Bottleneck for Transportation: No										
	Bridge Construction	Coffering for Piers	Earth Bank with Sand Bags / No Need (No water in dry season)								
		Steel Girder Erection	Suitable for Bent and Truck Crane Method Yes Required Other Specials Erection Methods ()								
Foundation Type		RC Pile (L < 15m)									
(Assumption)	/ Special Foundation No										
Expected Work Hinder	0										
Remark											
Other Additional Information to be Noted											
1. Current bridge maintenance budget and system											
The budget from district: 2,000,000dong/year											
2. Current and expected projects by other donors (WB, ADB, JBIC, etc.)											

QUESTIONNAIRE ON REQUESTED BRIDGES

Date of Answer: March / 3 /2006

Name of Respondent: Nong Dinh Suong

Title of Respondent: Director of Technical Division

Bridge No.	No. 37	Bridge Name	Ta Lang	Province Name	ha Giang	Road Network around the Bridge (conceptual map)					
Bridge Location	The Road on which the bridge exist			Nearest City (with population over 20,000)							
	Road Name	Station of the Bridge	Name of the City	Distance From the Bridge							
	Ngoc Duong - Tung Ba	Km10+500	Ha Giang town	16.5km							
Present Condition of Bridge	Bridge Length	36 m	Span	(m+ m+ m+ m+ m)							
	Bridge Width	1.5 m	Carriage Way Width	1.2 m							
	Superstructure Type	Suspension Bridge									
	Substructure Type	Suspension Bridge									
	Present Condition (Eye Check)	Weak									
	Necessity of Reconstruction	Yes Reason: To socio-economic development, the pupils go to school and exchanging goods									
Number of Days of Closed to Traffic	Vehicle / Bike etc. : days/year. pedestrian or Bicycle : days/year										
Actual State of Social Economic	Information of Villages Beyond the Bridge				Information of the Nearest City (with population over 20,000)						
	Number of Village	4 villages	Name of Regional Town	Phuc Ha	Name of City	Ha Giang town	Access Time from the Bridge	40 minutes			
	Population	6111 persons	Number of Household	1147 households	Population of City	35718 persons	Number of Household	8617 households			
	Average Income	200,000 Dong/month	Population Ratio of Minority	98 %	Average Income	500,000 Dong/month	Access Time from the main village beyond the bridge site (by general means of trip for the residents)	5 minutes			
	Rate of School Attendance (Elementary School)	%	Rate of School Attendance (Junior High School)	22 %	Remarks	By					
	Number of Educational Facilities		Junior High School	1	Number of Educational Facilities		Junior High School	10			
	Elementary School	4	High School	0	Elemental School	10	High School	3			
	Number of Medical Facilities		Emergency Hospital (middle size hospital)	0	Number of Medical Facilities		Emergency Hospital (middle size hospital)	1			
	Clinic (small size hospital)	1	Hospital for Serious Patients (large size hospital)	0	Clinic (small size hospital)	3	Hospital for Serious Patients (large size hospital)	0			
	Number of Daily Life Facilities		Bank	0	Number of Daily Life Facilities		Bank	4			
	Post Office	1	Market	0	Post Office	2	Market	1			
	Bus Stop	0	Public Offices (Town Hall branch, etc.)	1	Bus Stop	0	Public Offices (Town Hall branch, etc.)				
	Main Land Use	Rice Field, Forest		Detail of products sent to markets through the bridge location (Name of the products, total amount/price per year of each product): Rice: 30,273 kg/2,500d/year, Wood: 327m ³ /1,200,000d/year							
Main Production	Agriculture / Forestry										
Present Condition of Access Road	Road Class	District Road			Road Width: 7m	Average Road Width	5 m	Average Carriage Way Width	3.5 m		
	Surface Type	Bitumen Seal			Actual Road Condition	Normal					
	Average Traffic Volume (car/day)	Big Bus	Small Bus	Passenger Car	Motor Bike	Big Track	Small Track	Cart (drawn by animals)	Bicycle and pedestrian	Boat	
		0	0	0	400	3	5		80		
	Place of Bottleneck	Bridge / Tunnel / Narrow Width Section / Others: No			Minimum Width	m		Traffic Control	Up to tone		
Remarks	Detail of bottlenecks in the access roads: No										
Relevant Development Plan	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 / 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	The pupils going to the school by suspension bridge are very dangerous during the flood season. Bringing socio-economic lights to Ethnic Minorities.						
River Condition	Low Water Level	Depth	1 m	River Width	32 m	River Gradient (Estimate)	3%				
	Highest Flood	Depth	4 m	River Width	40 m	Year of the Flood					
		Velocity	m/sec		Rapid flow / Moderate flow / Slow flow						
	Tidal effects	Have / No			River Bed Material						
	Bridge Surface Elevation	m from Average Height of River Bed			Sand, Gravel, Rock						
	Navigation to be considered	No m number and type of ships:									
	Up Stream Side	Special Remarks	No								
Down Stream Side	Special Remarks	No									
Bridge Construction	Transportation of Steel Girder from the Provincial Capital	Transportation Route	~ ~		Other Additional Information to be Noted						
		Carrying Method	Truck of 18 tones		1. Current bridge maintenance budget and system						
		Road Condition for Transportation	Suitable		The budget from the district: 2,000,000dong						
		Any Bottleneck for Transportation:	No		2. Current and expected projects by other donors (WB, ADB, JBIC, etc.)						
	Bridge Construction	Coffering for Piers	Earth Bank with Sand Bags / No Need (No water in dry season)								
		Steel Girder Erection	Suitable for Bent and Truck Crane Method Yes		Required Other Specials Erection Methods: No						
	Foundation Type	RC Pile (L < 15m)									
	(Assumption)	/ Special Foundation: No									
	Expected Work Hinder										
Remark											

QUESTIONNAIRE ON REQUESTED BRIDGES

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 Bridge (conceptual map)					
Bridge Location	The Road on which the bridge exist			Nearest City (with population over 20,000)							
	Road Name	Station of the Bridge		Name of the City	Distance From the Bridge						
	NH2 - Ngoc Linh	Km 2+500		Vi Xuyen town	3km						
Present Condition of Bridge	Bridge Length	45 m	Span	(m+ m+ m+ m+ m)							
	Bridge Width	2.5 m	Carriage Way Width	2.2 m							
	Superstructure Type	Suspension Bridge									
	Substructure Type	Suspension Bridge									
	Present Condition (Eye Check)	Weak									
	Necessity of Reconstruction	Yes Reason: To socio-economic development. The pupils go to the school. The patients go to the hospital									
Number of Days of Closed to Traffic	Vehicle / Bike etc. : days/year.		pedestrian or Bicycle : days/year								
Actual State of Social Economic	Information of Villages Beyond the Bridge				Information of the Nearest City (with population over 20,000)						
	Number of Village	32 villages	Name of Regional Town	Khuoi Va Ward	Name of City	Vi Xuyen town	Access Time from the Bridge	20 minutes			
	Population	11356 persons	Number of Household	2270 households	Population of City	6884 persons	Number of Household	1727 households			
	Average Income	170,000 Dong/month	Population Ratio of Minority	90	Average Income	270,000 Dong/month	Access Time from the main village beyond the bridge site (by general means of trip for the residents)	20 minutes			
	Rate of School Attendance (Elementary School)	18 %	Rate of School Attendance (Junior High School)	19 %	Remarks						
	Number of Educational Facilities		Junior High School		3		Number of Educational Facilities		Junior High School		7
	Elementary School		12		High School		0		Elemental School		7
	Number of Medical Facilities		Emergency Hospital (middle size hospital)		0		Number of Medical Facilities		Emergency Hospital (middle size hospital)		1
	Clinic (small size hospital)		3		Hospital for Serious Patients (large size hospital)		0		Clinic (small size hospital)		1
	Number of Daily Life Facilities		Bank		0		Number of Daily Life Facilities		Bank		3
	Post Office		3		Market		0		Post Office		1
	Bus Stop		0		Public Offices (Town Hall branch, etc.)		3		Bus Stop		0
	Main Land Use		Rice Field, Forest		Detail of products sent to markets through the bridge location (Name of the products, total amount/price per year of each product):		Rice: 18,000 kg/d/year; Wood: 340m ³ /1,100,000d/year				
	Main Production		Agriculture, Forestry								
Present Condition of Access Road	Road Class	District Road			Road Width: 7m	Average Road Width	6 m	Average Carriage Way Width	3.5 m		
	Surface Type	Gravel			Actual Road Condition	Normal					
	Average Traffic Volume (car/day)	Big Bus	Small Bus	Passenger Car	Motor Bike	Big Track	Small Track	Cart (drawn by animals)	Bicycle and pedestrian	Boat	
	Place of Bottleneck	Bridge / Tunnel / Narrow Width Section / Others: No			Minimum Width	m		Traffic Control	Up to tone		
	Remarks	Detail of bottlenecks in the access roads: No									
Relevant Development Plan	Village Level	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 :					
	District Level	Material No.	Material No.	Material No.	Material No.	1 2 3 4 5 6					
		Yes / No	Yes / No	Yes / No	Yes / No	Reason of the priority :					
	Province Level	Material No.	Material No.	Material No.	Material No.	Exchanging goods and agricultural products					
Yes / No		Yes / No	Yes / No	Yes / No	Hauling Antimon ore						
River Condition	Low Water Level	Depth	1.5 m	River Width	20 m	River Gradient (Estimate)	3%				
	Highest Flood	Depth	6 m	River Width	35 m	Year of the Flood					
		Velocity	m/sec		Moderate flow						
	Tidal effects	Have / No			River Bed Material						
	Bridge Surface Elevation	m from Average Height of River Bed			Rock						
	Navigation to be considered	Yes or No m number and type of ships:									
	Up Stream Side	Special Remarks		There is causeway far from bridge of 1km							
Down Stream Side	Special Remarks										
Bridge Construction	Transportation of Steel Girder from the Provincial Capital	Transportation Route	NH2 - Ngoc Linh Commune								
		Carrying Method	Trailer Truck / Ship / Others ()								
		Road Condition for Transportation	Suitable								
	Bridge Construction	Any Bottleneck for Transportation: No									
		Coffering for Piers	Sheet Pile / Earth Bank with Sand Bags / River Diversion / No Need (No water in dry season)								
Steel Girder Erection		Suitable for Bent and Truck Crane Method (Yes / No) Required Other Specials Erection Methods ()									
Foundation Type	RC Pile (L < 15m)										
	(Assumption)	/ Special Foundation ()									
Expected Work Hinder											
Remark											
						Other Additional Information to be Noted					
						1. Current bridge maintenance budget and system					
						District budget: 2,000,000 dong/year					
						2. Current and expected projects by other donors (WB, ADB, JBIC, etc.)					

QUESTIONNAIRE ON REQUESTED BRIDGES

Date of Answer: March / 3 /2006

Name of Respondent: Nong Dinh Suong

Title of Respondent: Director of Technical Division

Bridge No.	No. 39	Bridge Name	Suoi Diec	Province Name	Ha Giang	Road Network around the Bridge (conceptual map)					
Bridge Location	The Road on which the bridge exist			Nearest City (with population over 20,000)							
	Road Name		Station of the Bridge		Name of the City		Distance From the Bridge				
	Ngoc Linh - Ngoc Minh		Km 22		Vi Xuyen town		25km				
Present Condition of Bridge	Bridge Length	m	Span	(m+ m+ m+ m+ m)							
	Bridge Width	m	Carriage Way Width								
	Superstructure Type	Suspension Bridge									
	Substructure Type	Suspension Bridge									
	Present Condition (Eye Check)	Weak									
	Necessity of Reconstruction	Yes Reason: Pupils go to the school; The patients go to the hospital; to socio-economic development; Exchanging goods									
Number of Days of Closed to Traffic	Vehicle / Bike etc. :		days/year. pedestrian or Bicycle :		days/year						
Actual State of Social Economic	Information of Villages Beyond the Bridge				Information of the Nearest City (with population over 20,000)						
	Number of Village	16 villages		Name of Regional Town	Phai village	Name of City	Vi Xuyen town	Access Time from the Bridge	20 minutes by bus		
	Population	7195 persons		Number of Household	1294 households	Population of City	6884 persons	Number of Household	1727 households		
	Average Income	160,000 Dong/month		Population Ratio of Minority	82 %	Average Income	270,000 Dong/month	Access Time from the main village beyond the bridge site (by general means of trip for the residents)	30 minutes		
	Rate of School Attendance (Elementary School)	21 %		Rate of School Attendance (Junior High School)	19 %	Remarks					
	Number of Educational Facilities		Junior High School		6	Number of Educational Facilities		Junior High School	7		
	Elementary School	6		High School	1	Elemental School	7	High School	1		
	Number of Medical Facilities		Emergency Hospital (middle size hospital)		0	Number of Medical Facilities		Emergency Hospital (middle size hospital)	1		
	Clinic (small size hospital)	2		Hospital for Serious Patients (large size hospital)	0	Clinic (small size hospital)	1	Hospital for Serious Patients (large size hospital)	0		
	Number of Daily Life Facilities		Bank		0	Number of Daily Life Facilities		Bank	3		
	Post Office	2		Market	0	Post Office	1	Market	1		
	Bus Stop			Public Offices (Town Hall branch, etc.)	2	Bus Stop	0	Public Offices (Town Hall branch, etc.)	1		
	Main Land Use	Rice Field		Detail of products sent to markets through the bridge location (Name of the products, total amount/price per year of each product): Rice: 35,420 kg/2,500d/year; Wood: 260m ³ /1,200,000d/year							
	Main Production	Agriculture / Forestry									
Present Condition of Access Road	Road Class	District road				Road Width: 6m	Average Road Width 5 m, Average Carriage Way Width 3.5 m				
	Surface Type	Soil				Actual Road Condition	Bad				
	Average Traffic Volume (car/day)	Big Bus	Small Bus	Passenger Car	Motor Bike	Big Track	Small Track	Cart (drawn by animals)	Bicycle and pedestrian	Boat	
		0	0	0	200	3	6	60			
	Place of Bottleneck	Bridge / Tunnel / Narrow Width Section / Others: No				Minimum Width	m		Traffic Control	Up to	tone
	Remarks	Detail of bottlenecks in the access roads: No									
Relevant Development Plan		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 / 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	To socio-economic development.					
River Condition	Low Water Level	Depth 1.2 m	River Width 35 m	River Gradient (Estimate)							
	Highest Flood	Depth 4 m	River Width 45 m	Year of the Flood 2%							
		Velocity m/sec		Rapid flow / Moderate flow / Slow flow							
	Tidal effects	Have / No			River Bed Material						
	Bridge Surface Elevation	m from Average Height of River Bed			Silt / Fine Sand / Sand / Gravel / Boulder / Rock						
	Navigation to be considered	Yes or No	0 m	number and type of ships:			0				
	Up Stream Side	Special Remarks	No								
	Down Stream Side	Special Remarks	No								
Bridge Construction	Transportation of Steel Girder from the Provincial Capital	Transportation Route	NH2 - Ngoc Linh - Ngoc Minh								
		Carrying Method	12 tons Truck								
		Road Condition for Transportation	Possible with small Repair								
	Bridge Construction	Any Bottleneck for Transportation: No									
		Coffering for Piers	Earth Bank with Sand Bags / No Need (No water in dry season)								
		Steel Girder Erection	Suitable for Bent and Truck Crane Method (Yes / No) Required Other Specials Erection Methods ()								
Foundation Type	RC Pile (L < 15m)										
(Assumption)	/ Special Foundation: No										
Expected Work Hinder											
Remark											
						Other Additional Information to be Noted					
						1. Current bridge maintenance budget and system					
						The district budget: 2,000,000d/year					
						2. Current and expected projects by other donors (WB, ADB, JBIC, etc.)					

QUESTIONNAIRE ON REQUESTED BRIDGES

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		Province Name	Ha Giang		Road Network around the Bridge (conceptual map)									
Bridge Location	The Road on which the bridge exist			Nearest City (with population over 20,000)													
	Road Name		Station of the Bridge		Name of the City		Distance From the Bridge										
	NH 279		Km 29+800		Bac Quang town		31km										
Present Condition of Bridge	Bridge Length	25 m		Span		(m+ m+ m+ m+ m)											
	Bridge Width	1.5 m		Carriage Way Width		1 m											
	Superstructure Type	Temporary Wooden Bridge															
	Substructure Type	Wooden Pile															
	Present Condition (Eye Check)	Serious Damage															
Necessity of Reconstruction	Yes Reason: To socio-economic development in region, the pupils go to the school; the patients go to the hospital																
Number of Days of Closed to Traffic	Vehicle / Bike etc. :		days/year.		pedestrian or Bicycle :		days/year										
Actual State of Social Economic	Information of Villages Beyond the Bridge				Information of the Nearest City (with population over 20,000)												
	Number of Village	21 villages		Name of Regional Town		Huu San Thuong Dinh		Name of City		VIET QUANG		Access Time from the Bridge		50 minutes			
	Population	8020 persons		Number of Household		1610 households		Population of City		1300 persons		Number of Household		2300 households			
	Average Income	250ng/month		Population Ratio of Minority		80 %		Average Income		400ng/month		Access Time from the main village beyond the bridge site (by general means of trip for the residents)		minutes			
	Rate of School Attendance (Elementary School)	18 %		Rate of School Attendance (Junior High School)		16 %		Remarks				By					
	Number of Educational Facilities		Junior High School		2		Number of Educational Facilities		Junior High School		2						
	Elementary School		8		High School		1		Elemental School		3		High School		2		
	Number of Medical Facilities		Emergency Hospital (middle size hospital)		0		Number of Medical Facilities		Emergency Hospital (middle size hospital)		1						
	Clinic (small size hospital)		3		Hospital for Serious Patients (large size hospital)		0		Clinic (small size hospital)		4		Hospital for Serious Patients (large size hospital)		0		
	Number of Daily Life Facilities		Bank		0		Number of Daily Life Facilities		Bank		3						
	Post Office		3		Market		0		Post Office		1		Market		2		
	Bus Stop		0		Public Offices (Town Hall branch, etc.)		3		Bus Stop		0		Public Offices (Town Hall branch, etc.)		1		
	Main Land Use	Rice Field				Detail of products sent to markets through the bridge location (Name of the products, total amount/price per year of each product): Rice: 30,720 kg/2,500d/year; Wood:370m3/1,200,000d/year											
	Main Production	Agriculture, Forestry															
Present Condition of Access Road	Road Class	National Road				Road Width: 8	Average Road Width 6 m,		Average Carriage Way Width 3.5 m								
	Surface Type	Bitumen Seal				Actual Road Condition	Good										
	Average Traffic Volume (car/day)	Big Bus		Small Bus		Passenger Car		Motor Bike		Big Track		Small Track (drawn by animals)		Bicycle and pedestrian		Boat	
						5		360		6		8		50			
	Place of Bottleneck	Bridge / Tunnel / Narrow Width Section / Others: No				Minimum Width		m		Traffic Control		Up to		tone			
Remarks	Detail of bottlenecks in the access roads: No:																
Relevant Development Plan	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.		Material No.		1 2 3 4 5 6						
	District Level		Yes / No		Yes / No		Yes / No		Yes / No		X						
	Material No.		Material No.		Material No.		Material No.		Material No.								
Province Level		Yes / No		Yes / No		Yes / No		Yes / No		Reason of the priority :							
Material No.		Material No.		Material No.		Material No.		Material No.		To socio-economic development in region							
Material No.		Material No.		Material No.		Material No.		Material No.		Go to school and hospital in favourable condition							
River Condition	Low Water Level	Depth 1 m		River Width 20 m		River Gradient (Estimate)		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							
		Velocity		m/sec		Rapid flow											
	Tidal effects	Have / No		River Bed Material													
	Bridge Surface Elevation	m from Average Height of River Bed		Gravel, Boulder, Rock													
	Navigation to be considered	No		m		number and type of ships:											
	Up Stream Side	Special Remarks		Causeway													
Down Stream Side	Special Remarks																
Bridge Construction	Transportation Route		NH2 - NH279		Other Additional information to be Noted												
	Transportation of Steel Girder from the Provincial Capital		Carrying Method		Trailer Truck		1. Current bridge maintenance budget and system		Maintenance cost is 2,000,000d/year from local people contribution								
	Road Condition for Transportation		Suitable		Any Bottleneck for Transportation: No		2. Current and expected projects by other donors (WB, ADB, JBIC, etc.)										
	Bridge Construction		Coffering for Piers		Earth Bank with Sand Bags / No Need (No water in dry season)												
	Steel Girder Erection		Suitable for Bent and Truck Crane Method		Yes												
	Foundation Type		RC Pile (L < 15m)		Required Other Specials Erection Methods ()												
(Assumption)		/ Special Foundation ()															
Expected Work Hinder																	
Remark																	