

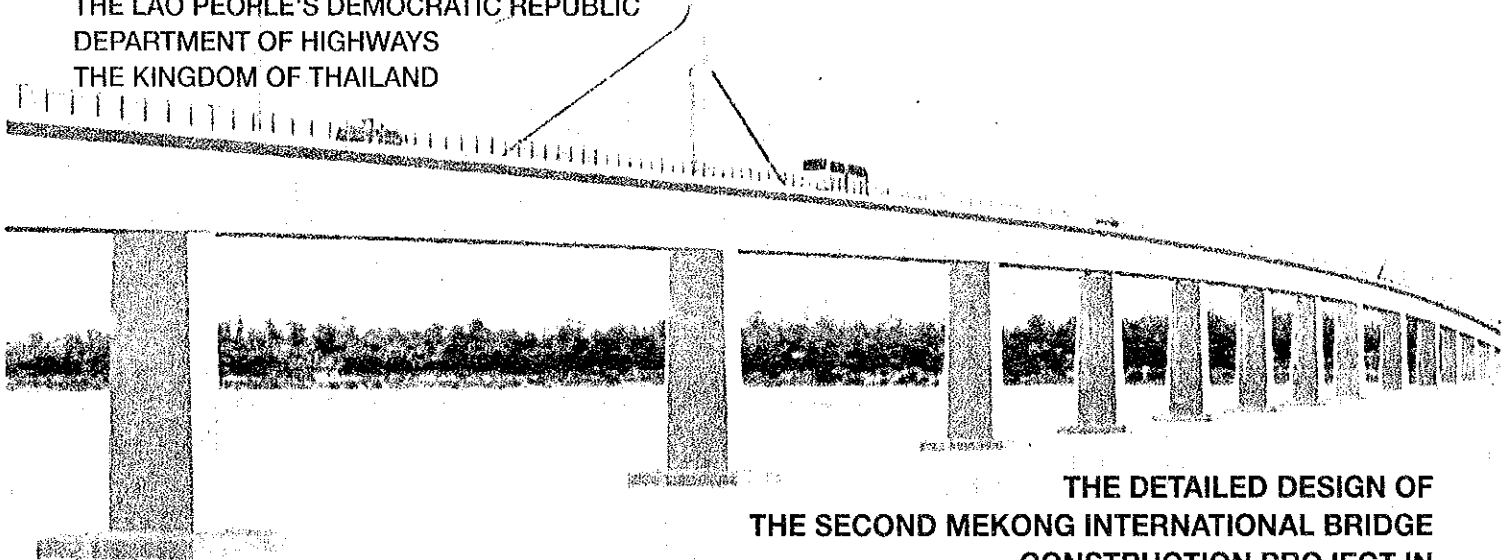
JAPAN INTERNATIONAL COOPERATION AGENCY

MINISTRY OF COMMUNICATION, TRANSPORT, POST AND CONSTRUCTION

THE LAO PEOPLE'S DEMOCRATIC REPUBLIC

DEPARTMENT OF HIGHWAYS

THE KINGDOM OF THAILAND



THE DETAILED DESIGN OF
THE SECOND MEKONG INTERNATIONAL BRIDGE
CONSTRUCTION PROJECT IN
THE LAO PEOPLE'S DEMOCRATIC REPUBLIC AND
THE KINGDOM OF THAILAND

FINAL REPORT

JUNE 2000



JICA LIBRARY



J1158422 (4)

JICA
112
61.5
SSF
LIBRARY

ORIENTAL CONSULTANTS COMPANY LIMITED

NIPPON KOEI CO., LTD.

SSF
CR(6)
00-110

JAPAN INTERNATIONAL COOPERATION AGENCY

MINISTRY OF COMMUNICATION, TRANSPORT, POST AND CONSTRUCTION
THE LAO PEOPLE'S DEMOCRATIC REPUBLIC
DEPARTMENT OF HIGHWAYS
THE KINGDOM OF THAILAND

THE DETAILED DESIGN OF
THE SECOND MEKONG INTERNATIONAL BRIDGE
CONSTRUCTION PROJECT IN
THE LAO PEOPLE'S DEMOCRATIC REPUBLIC AND
THE KINGDOM OF THAILAND

FINAL REPORT
DRAFT PREQUALIFICATION DOCUMENTS (PACKAGE 3)

JUNE 2000



ORIENTAL CONSULTANTS COMPANY LIMITED



NIPPON KOEI CO., LTD.



1158422 [4]

TABLE OF CONTENTS

INVITATION FOR PREQUALIFICATION	1
INSTRUCTIONS TO APPLICANTS	3
1. SCOPE OF BIDS	3
2. SUBMISSION OF APPLICATIONS	4
3. ELIGIBLE BIDDERS	5
4. QUALIFICATION CRITERIA	5
5. JOINT VENTURES	7
6. CONFLICT OF INTEREST	7
7. UPDATING PREQUALIFICATION INFORMATION	7
8. GENERAL	8
9. ANNEXES	9
ANNEX 1 – PROJECT DESCRIPTION.....	9
ANNEX 2 – SAMPLE OF BANK GUARANTEE FOR OPENING A REVOLVING LINE OF CREDIT IN FAVOR OF THE BIDDER.....	36
LETTER OF APPLICATION.....	37
10. FORMS FOR COMPLETION BY APPLICANT	41
FORM (1) – GENERAL INFORMATION.....	41
FORM (2) – GENERAL EXPERIENCE RECORD.....	42
FORM (2a)– JOINT VENTURE SUMMARY.....	43
FORM (2b)– JOINT VENTURE AGREEMENT.....	44
FORM (3) – PARTICULAR EXPERIENCE RECORD.....	47
FORM (3a)– DETAILS OF CONTRACTS OF SIMILAR NATURE AND CAPACITY.....	48
FORM (4) – SUMMARY SHEET : CURRENT CONTRACT COMMITMENTS / WORKS IN PROGRESS.....	49
FORM (5) – PERSONNEL CAPABILITIES.....	50
FORM (5a)– CANDIDATE SUMMARY.....	51
FORM (6) – EQUIPMENT CAPABILITIES.....	52
FORM (7) – FINANCIAL CAPABILITY.....	53
FORM (8) – LITIGATION HISTORY.....	55
FORM (9) – LIST OF PREQUALIFICATION FORMS FILLED IN BY THE APPLICANT.....	56

**DEPARTMENT OF HIGHWAYS, MINISTRY OF TRANSPORTATION AND
COMMUNICATIONS, GOVERNMENT OF THE KINGDOM OF THAILAND**

THE SECOND MEKONG INTERNATIONAL BRIDGE CONSTRUCTION PROJECT

INVITATION FOR PREQUALIFICATION [Date]

Contract Package 3 : THAILAND BORDER CONTROL FACILITIES AND CONNECTING ROADS

1. The Department of Highways, Ministry of Transport and Communications, Government of the Kingdom of Thailand (hereinafter referred to as the "Employer") has applied for an ODA Loan from JAPAN BANK FOR INTERNATIONAL COOPERATION (hereinafter referred to as "the JBIC") towards the cost of the Second Mekong International Bridge Construction Project and intends to apply a portion of the proceeds of the loan to payments under the Contract for Package 3 : Border Control Facilities and Connecting Roads for which this Invitation for Prequalification is issued. Disbursement of an ODA Loan by JBIC will be subject, in all respects, to the terms and conditions of the Loan Agreement, including the disbursement procedures and the "Guidelines for Procurement under JBIC ODA Loans". No party other than the Employer shall derive any rights from the Loan Agreement or have any claim to loan proceeds. The above Loan Agreement will cover the total project cost.
2. JBIC requires that bidders and contractors, as well as the Employers, under contracts funded with JBIC ODA loans and other Japanese ODA, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy JBIC :
 - (a) will reject a proposal for award if it determines that the bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question.
 - (b) will recognize a contractor as ineligible, for a period determined by JBIC, to be awarded a contract funded with JBIC ODA Loans if it at any times determines that the contractor has engaged in corrupt or fraudulent practices in competing for, or in executing, another contract funded with JBIC ODA Loans or other Japanese ODA.
3. The Employer intends to prequalify contractors for the following Building and Civil Works under this project package.
 - (a) Border Control Facilities
 - i) Single and two storey buildings and canopies complete with utilities of approximately 8,651 m² area.
 - ii) Associated Paved Roads, Parking, Footpaths and Walkways
 - iii) Soft Landscaping
 - iv) Main Services Connections
 - v) Boundary Fence

(b) Connecting Roads

- i) Single Carriage Way Roads of 530 m. in length
- ii) Intersections with bridge approach viaduct and existing roads

4. It is expected that Invitation to Bid will be made in [month and year]
5. Prequalification is open to firms and voluntarily formed joint ventures from all eligible countries and areas and the contract shall be bid on an international competitive bidding (ICB) basis in accordance with the "Guidelines for Procurement under JBIC ODA Loans".
6. Eligible applicants may obtain the prequalification documents after [insert dated] at the office of [name of Employer and full address, including telephone, fax and telex number where the documents may be obtained].
7. The request must clearly state "Request for Prequalification Documents for the Second Mekong International Bridge Construction Project. Contract Package 3 : Thailand Border Control Facilities and Connecting Roads". The documents are available for a non refundable fee of US Dollar.
8. Submissions of Application of Prequalification must be received in sealed envelopes, either delivered by hand or by registered mail to [address] not later than [date] and be clearly marked : "Application for Prequalification for the Second Mekong International Bridge Construction Project, Contract Package 3 : Thailand Border Control Facilities and Connecting Roads. Contract No.
....."
9. The Employer reserves the right to accept or reject late applications.
10. Applicants will be advised in due course of the results of their applications. Only firms and joint ventures prequalified under this procedure will be invited to bid.

**THE DEPARTMENT OF HIGHWAYS, MINISTRY OF TRANSPORT AND
COMMUNICATIONS GOVERNMENT OF THE KINGDOM OF THAILAND**

THE SECOND MEKONG INTERNATIONAL BRIDGE CONSTRUCTION PROJECT

INSTRUCTIONS TO APPLICANTS

Contract Package 3 : THAILAND BORDER CONTROL FACILITIES AND CONNECTING ROADS

1. SCOPE OF BIDS

- 1.1 The Department of Highways, Ministry of Transport and Communications, Government of the Kingdom of Thailand (hereinafter referred to as the "Employer") has applied for an ODA Loan from JAPAN BANK FOR INTERNATIONAL COOPERATION (hereinafter referred to as "the JBIC") towards the cost of the Second Mekong International Bridge Construction Project and intends to apply a portion of the proceeds of the loan to payments under the Contract for Package 3 : Border Control Facilities and Connecting Roads for which this Invitation for Prequalification is issued. Disbursement of an ODA Loan by JBIC will be subject, in all respects, to the terms and conditions of the Loan Agreement, including the disbursement procedures and the "Guidelines for Procurement under JBIC ODA Loans". No party other than the Employer shall derive any rights from the Loan Agreement or have any claim to loan proceeds. The above Loan Agreement will cover the total project cost.
- 1.2 JBIC requires that bidders and contractors, as well as the Employers, under contracts funded with JBIC ODA loans and other Japanese ODA, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, JBIC :
- (a) will reject a proposal for award if it determines that the bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question.
 - (b) will recognize a contractor as ineligible, for a period determined by JBIC, to be awarded a contract funded with JBIC ODA Loans if it at any times determines that the contractor has engaged in corrupt or fraudulent practices in competing for, or in executing, another contract funded with JBIC ODA Loans or other Japanese ODA.
- 1.3 The Employer intends to prequalify contractors for the following Building and Civil Works under this project : Contract Package 3 : Thailand Border Facilities and Connecting Roads. (hereinafter referred to as "the Contract")
- (a) Border Control Facilities
 - i) Single and two storey buildings and canopies complete with utilities of approximately 8,651 m² area.
 - ii) Associated Paved Roads, Parking, Footpaths and Walkways
 - iii) Soft Landscaping

- iv) Main Services Connections
 - v) Boundary Fence
- (b) Connecting Roads
- i) Single Carriage Way Roads of 530 m. in length
 - ii) Intersections with bridge approach viaduct and existing roads
- 1.4 General information on the climate, hydrology, topography, access to site, transportation and communications facilities, medical facilities, project layout, expected construction period facilities and services provided by the Employer is given in Annex 1.
- 1.5 The Contract will be a Unit Price Contract. The bidding documents will be Sample Bidding Documents for Procurement of Civil Works under JBIC ODA Loans, including their currency and securities provisions, with amendments.

2. SUBMISSION OF APPLICATIONS

- 2.1 Applications for Prequalification must be prepared in one (1) original and(.....) copies. The original and copy of each set shall be clearly marked "Original" and "Copy", respectively on the front cover of each set. In the event of discrepancy between original and copies, the original shall prevail.
- 2.2 Submission of Applications for Prequalification must be received in one (1) sealed envelope, either delivered by hand, courier or by registered mail at [address] not later than [date] and be clearly marked : "Application for Prequalification for the Second Mekong International Bridge Construction Project, Contract Package 3 : Thailand Border Control Facilities and Connecting Roads. Contract No.". The Employer reserves the right to accept or reject late applications. Unaccepted late applications will be returned to the applicant unopened.
- 2.3 The name and mailing address of the applicant shall be clearly marked on the envelope.
- 2.4 All the information requested for prequalification shall be answered in the English language. Where information is provided in another language, it shall be accompanied by a translation into English language, which will prevail and will be used for interpreting the information.
- 2.5 Failure to provide information that is essential to evaluate the applicant's qualifications, or to provide timely clarification or substantiation of the information supplied, may result in disqualification of the Applicant.
- 2.6 Each application shall be duly signed and stamped by the applicant or a person or persons duly authorized to sign on behalf of the applicant. Such authorization shall be indicated by a written power of attorney accompanying the application.

2.7 All documents submitted by the applicants shall be treated as confidential and will not be returned.

2.8 The following completed documents (whichever are necessary) will be submitted with the Applicants application.

Letter of Application

Application Forms

- Form 1 – General Information
- Form 2 – General Experience Record
- Form 2a – Joint Venture Summary
- Form 2b – Joint Venture Agreement
- Form 3 – Particular Experience Record
- Form 3a – Details of Contract of Similar Nature and Complexity
- Form 4 – Summary Sheet : Current Contract Commitments / Works in Progress
- Form 5 – Personnel Capabilities
- Form 5a – Candidate Summary
- Form 6 – Equipment Capabilities
- Form 7 – Financial Capabilities
- Form 8 – Litigation History

Power of Attorney

Any other documents required to support the Applicants Prequalification Application

3. ELIGIBLE BIDDERS

This invitation to prequalify is open to any bidder from all countries and areas.

4. QUALIFICATION CRITERIA

4.1 Prequalification will be based on meeting the following minimum pass / fail criteria regarding the Applicants general and particular experience, personnel and equipment capabilities and financial position, as demonstrated by the Applicant's responses in the forms attached to the Letter of Application (Specific requirements for joint ventures are given under paras 5.1 below). The Employer reserves the right to waive minor deviations if they do not materially affect the capability of an applicant to perform the Contract.

4.2 When highly specialized inputs (essential for execution of the contract) are required by the Applicant from Specialist Subcontractors, such subcontractors and their inputs shall be described in Application Form 3.

4.3 General Experience. The Applicant shall meet the following minimum criteria :

- (a) Average annual turnover as prime contractor (defined as billing for works in progress and completed) over the last five years of Yen 3,000 Million equivalent and

- (b) Successful experience as prime contractor in the evaluation of at least three projects of a nature and complexity comparable to the proposed contract within the last 5 years.

4.4 Personnel capabilities, The Applicant must have suitably qualified personnel to fill the following positions. In Form 5, the Applicant will supply information on a prime candidate and on an alternate for each position, both people should meet the minimum experience requirements specified below :-

Position	Total Experience (years)	In Similar Works (years)	In Developing Countries (years)
Project Manager	15	10	5
Construction Manager	10	8	5
Road Engineer	10	8	5
Building Engineer	10	8	5
Quantity Surveyor	10	8	5

4.5 Equipment Capabilities. The Applicant should own, or have assumed access (through hire, lease, purchase agreement, availability of manufacturing equipment, or other means) to the following key items of equipment in full working order, and must demonstrate that, based on known commitments, they will be available for use in the proposed contract. The applicant may also list alternative equipment that it would propose for the contract, together with an explanation of the proposal.

Equipment Type of and Characteristics	Minimum Number Required
1. Bulldozer	3
2. Grader	3
3. Paver	3
4. Roller	3
5. Truck Crane (Min 45 ton)	1

4.6 Quality Control. The Applicant must demonstrate that it has a reliable Quality Control and Assurance System in operation. If the Applicant is accredited to ISO 9000 Series or equivalent, he must attach a copy of the authorized certificate. If not accredited the Applicant shall attach documentary evidence of its Quality Control System or equivalent currently in operation.

4.7 Financial Position. The Applicant should demonstrate that it has access to, or has available, liquid assets, unencumbered real assets, lines of credit, and other financial means sufficient to meet the construction cash flow for a period of 4 months during the duration of contract, estimated as 100 Million Yen equivalent, net of the Applicant's commitments for other contracts.

- 4.8 The audited finance statements for the last five years shall be submitted and must demonstrate the soundness of the Applicant's financial position, showing long-term profitability. Where necessary, the Employer will make inquiries with the Applicant's bankers.
- 4.9 Litigation. The Applicant shall provide accurate information on any litigation or arbitration resulting from contracts completed or under its execution over the last 5 years. A consistent history of awards against the Applicant or any partner of a joint venture may result in failure of the application.

5. JOINT VENTURES

5.1 Joint Ventures must comply with the following requirements :

- (a) Following are the minimum qualification requirements.
- i) The lead partner shall meet not less than 65 percent of all the qualifying criteria given in paras. 4.3 and 4.6 above.
 - ii) Each of the other partners shall meet individually not less than 35 percent of all the qualifying criteria given 4.3 and 4.6 above.
 - iii) The joint venture must satisfy collectively the criteria of paras. 4.4 through 4.6 for which purpose the relevant figures for each of the partners shall be added together to arrive at the joint venture's total capacity. Individual members must each satisfy the requirements of paras. 4.7 and 4.8 above.
- (b) The formation of a joint venture shall be kept unchanged after prequalification.
- (c) Any bid shall be signed so as to legally bind all partners, jointly and severally, and any bid shall be submitted with a copy of the joint venture agreement providing the joint and several liability with respect to the contract.
- (d) One firm is allowed to form only one joint venture. Failure to comply with this will result in disqualification.

6. CONFLICT OF INTEREST

6.1 The Applicant (including all members of a joint venture) must not be associated, nor have been associated in the past, with the consultant or any other entity that has prepared the design, specifications, and other prequalification and bidding documents for the Project, or with an entity that was proposed as engineer for the contract. Any such association will result in the disqualification of the Applicant.

7. UPDATING PREQUALIFICATION INFORMATION

7.1 Bidders shall be required to update the financial information used for prequalification at the time of submitting their bids and to confirm their continued compliance with the qualification

criteria. A bid shall be rejected if the Applicants qualification thresholds are no longer met at the time of bidding.

8. GENERAL

- 8.1 Only firms and joint ventures that have been prequalified under this procedure will be invited to bid. A qualified firm or a member of a qualified joint venture may participate in only one bid for the contract. If a firm submits more than one bid, singly or in joint venture, all bids including that party will be rejected. This rule may not apply in respect of bids that include specialist subcontractors who are used by more than one bidder.
- 8.2 Bidders will be required to provide bid security in the form of a certified check, letter of credit, or a bank guarantee from a reputable bank of the Bidder's choice located in any eligible country for an amount of 15 Million Yen. The successful bidder will be required to provide performance security. Examples of acceptable forms will be supplied with the bidding documents.
- 8.3 The Employer reserves the right to
- (a) Amend the scope and value of any contract to be bid, in which event the contract will only be bid among those prequalified bidders who meet the requirements of the contract as amended;
 - (b) Reject or accept any application ; and
 - (c) Cancel the prequalification process and reject all applications.

The Employer shall neither be liable for any such actions nor be under any obligation to inform the Applicant of the grounds for them.

- 8.4 Applicants will be advised by the Employer in writing by fax or telex, within 45 days of the date for submission of applications (para. 2.1 above), of the result of their application, and of the names of the prequalified applicants, without being assigned any reason for the Employer's decision.

**PROJECT DESCRIPTION
OF
THE SECOND MEKONG INTERNATIONAL BRIDGE CONSTRUCTION PROJECT**

1 GENERAL INFORMATION

1.1 Site Conditions

The Bridge crosses the Mekong River at about 5km north of Savannakhet town and 7.5km north of Mukdahan town. The Main Bridge will be approximately 1,600m long and the connecting road will be 3km long for the Savannakhet side and 1.7km long for the Mukdahan side, respectively. The locations of the Bridge and connecting road are indicated and shown on the following pages.

The connecting road, both on the Savannakhet and Mukdahan sides, runs on a river terrace of the Mekong River. The ground elevations at the riverbanks are MSL +139m on the Savannakhet side and MSL +140m on the Mukdahan side. The water level of the Mekong River is about MSL +125.5m in the dry season. The riverbanks are about 15m higher than the river water level in the dry season.

The Savannakhet side of the connecting road runs on very low, gently undulating hills. The ground elevation along the connecting road varies from MSL +138 to +170m. Approximately 60% of the route runs through paddy fields and the remaining 40% through areas of greening, houses and factories. It crosses the provincial road A3 at about 1 km from the junction of the national road Route 9 and Kaysone Road.

The connecting road on the Thailand side mostly runs through the paddy fields on the ground elevations varying from MSL +138 to +142m. It access the Huai Po River, one of numerous minor tributaries of the Mekong River, at about 1 km from the National Highway Route 212.

Analyses of the High Water Level (HWL) have been carried out since an understanding of the seasonal variations in water levels will be important when considering options for construction and for programming construction activities. Based on the results the following values were adopted.

- An HWL of a 1 in 100 years average recurrence interval (ARI) flood water level is adopted at +139.60m for the Main Bridge.
- An HWL of a 1 in 25 years ARI flood water level is adopted at +138.50m for the approach and connecting roads.

1.2 Extent of the Works

1) Package 1 (The Lao PDR and Thailand)

The scope of the Works covered under Package 1 shall include:

(1) Main Bridge and Approach viaducts

- Substructure (Main Bridge)
- Superstructure (Main Bridge)
Approach road from the Border Control Facilities to the Approach Viaducts (Lao PDR and Thailand sides)
- Approach Viaducts (on both the Lao PDR and Thailand sides)
- Traffic Changeover Facility on Thailand side
- River Bank Protection Works on both banks
 - The construction of viaduct structures and a Main Bridge approximately 2,000m in length, in spans of 50m to 110m.
 - The construction of the adjacent approach road at each end of the Bridge, approximately 475m of dual carriageway on the west bank including a traffic changeover, and 200m of dual carriageway on the east bank.
 - Provision of the Employer's and Engineer's requirements.
 - All protective and temporary works and other consequential work required for carrying out the work.

2) Package 2 (The Lao PDR side)

The scope of the Works covered under Package 2 shall include:

(1) Connecting road from the National Road Route No.9 to the Lao PDR Border Control Facility. (L=1.864m)

Substructure (Main Bridge) / Drainage / Pavement /
Lighting facilities and other incidental works

Intersection : National and Route 9 (and Kaysone Road) and Provincial Road Route A3

(2) Border Control Facility. (L=600m)

Civil Works (land reclamation surface water drainage, road works, etc.)

Building (offices and other buildings)

Water supply and sewage systems (septic tank)

Electric power supply system

Communication system

Lighting system

3) Package 3 (The Thailand side) (L=951m)

The scope of the Works covered under Package 3 shall include:

(1) Connecting road from the National Highway Route No. 212 to the Thailand Border Control Facility. (L=520m)

Earth work / Drainage / Pavement / Lighting facilities and other incidental works

Intersection: National and Route 9 (and Kaysone Road) and Provincial Road Route A3

(2) Border Control Facility. (L=436m)

Civil Works (land reclamation surface water drainage, road works, etc.)

Building (offices and other buildings)

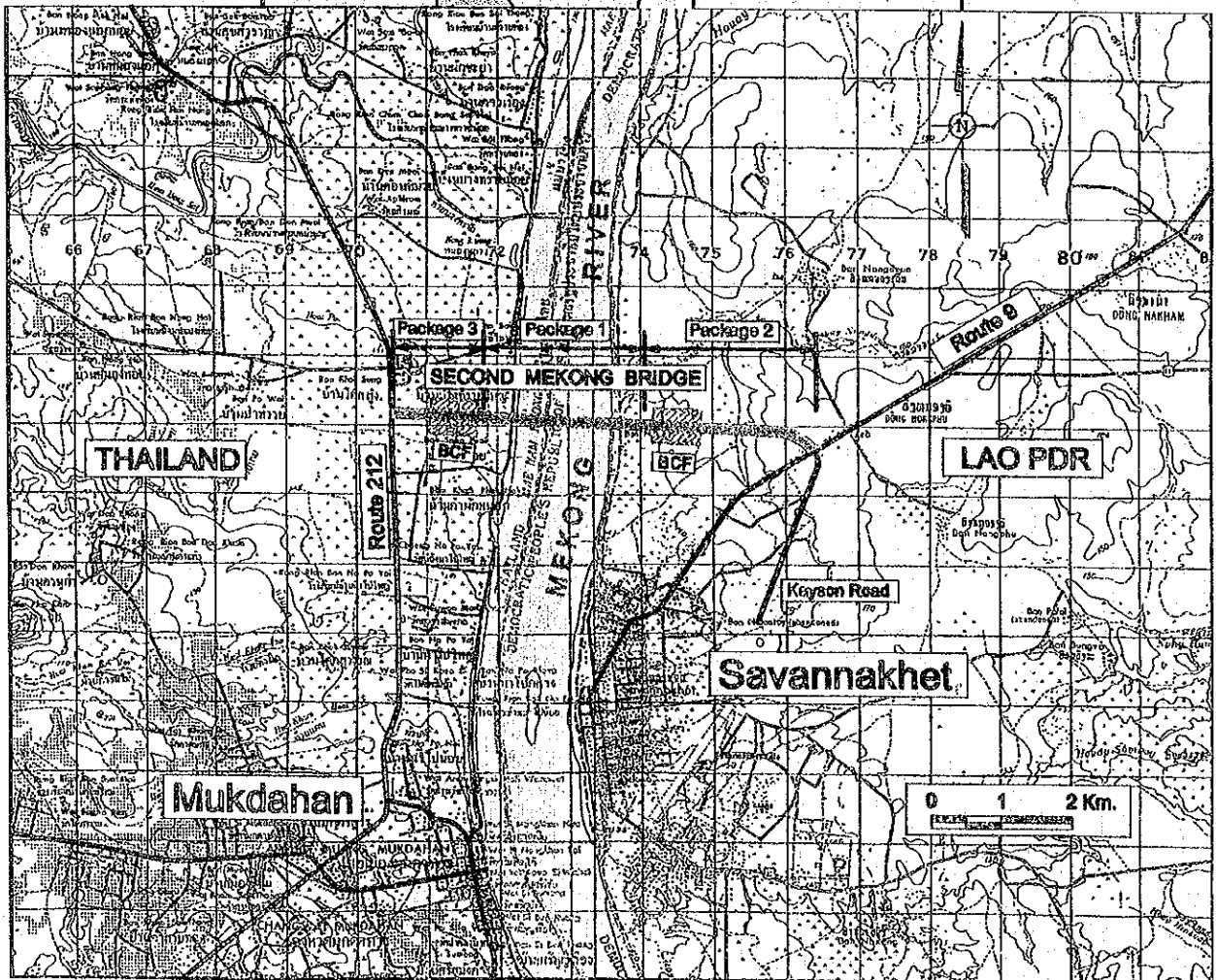
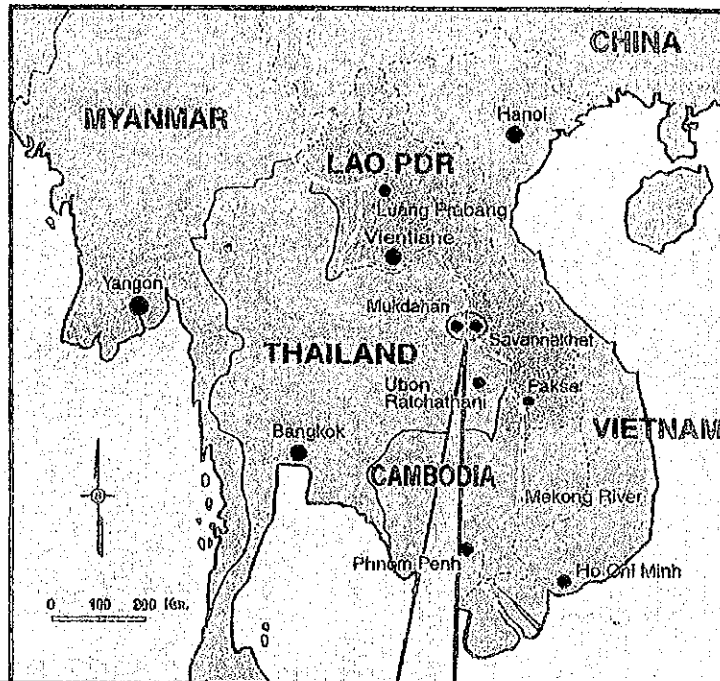
Water supply and sewage systems (septic tank)

Electric power supply system

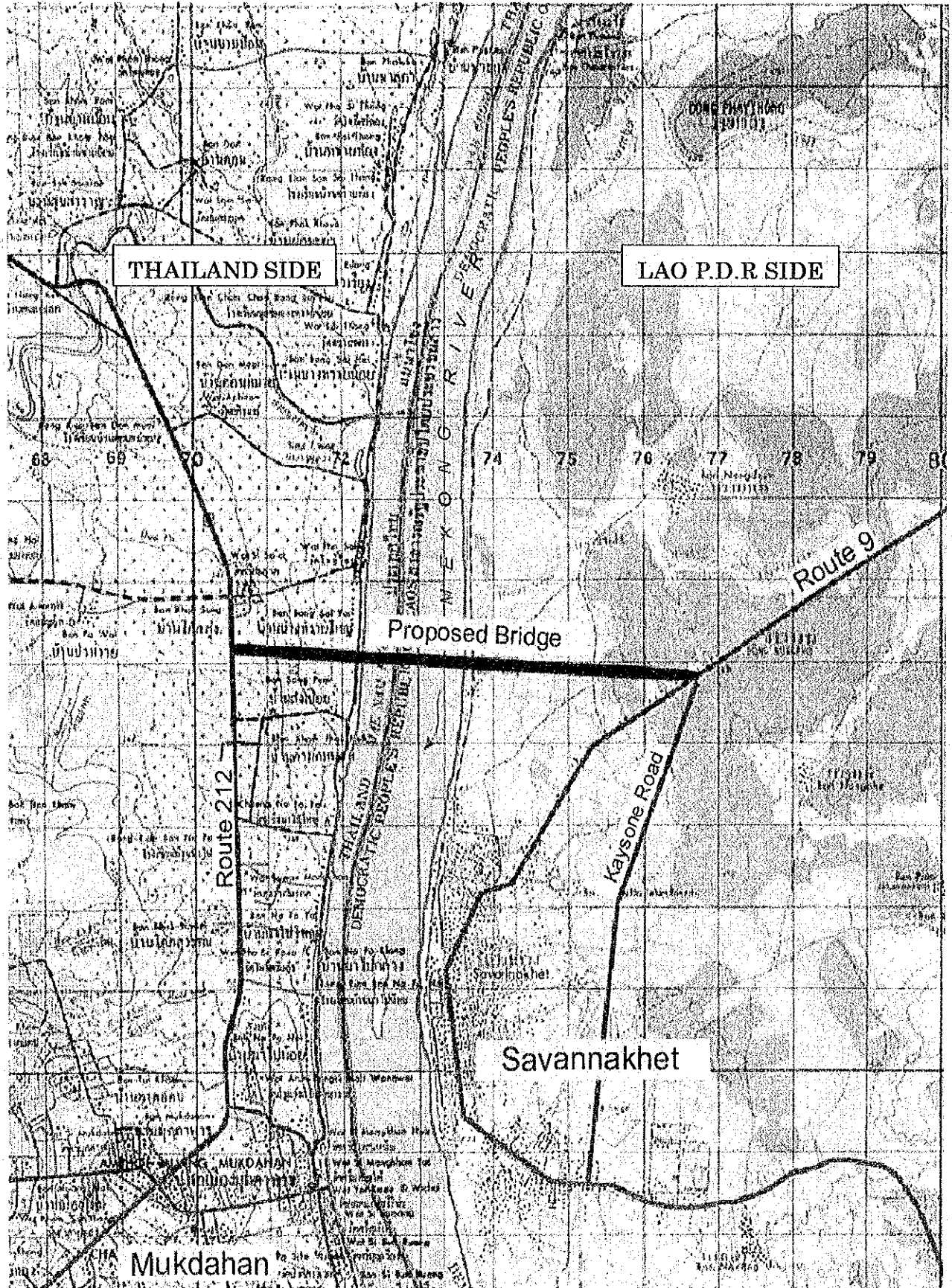
Communication system

Lighting system

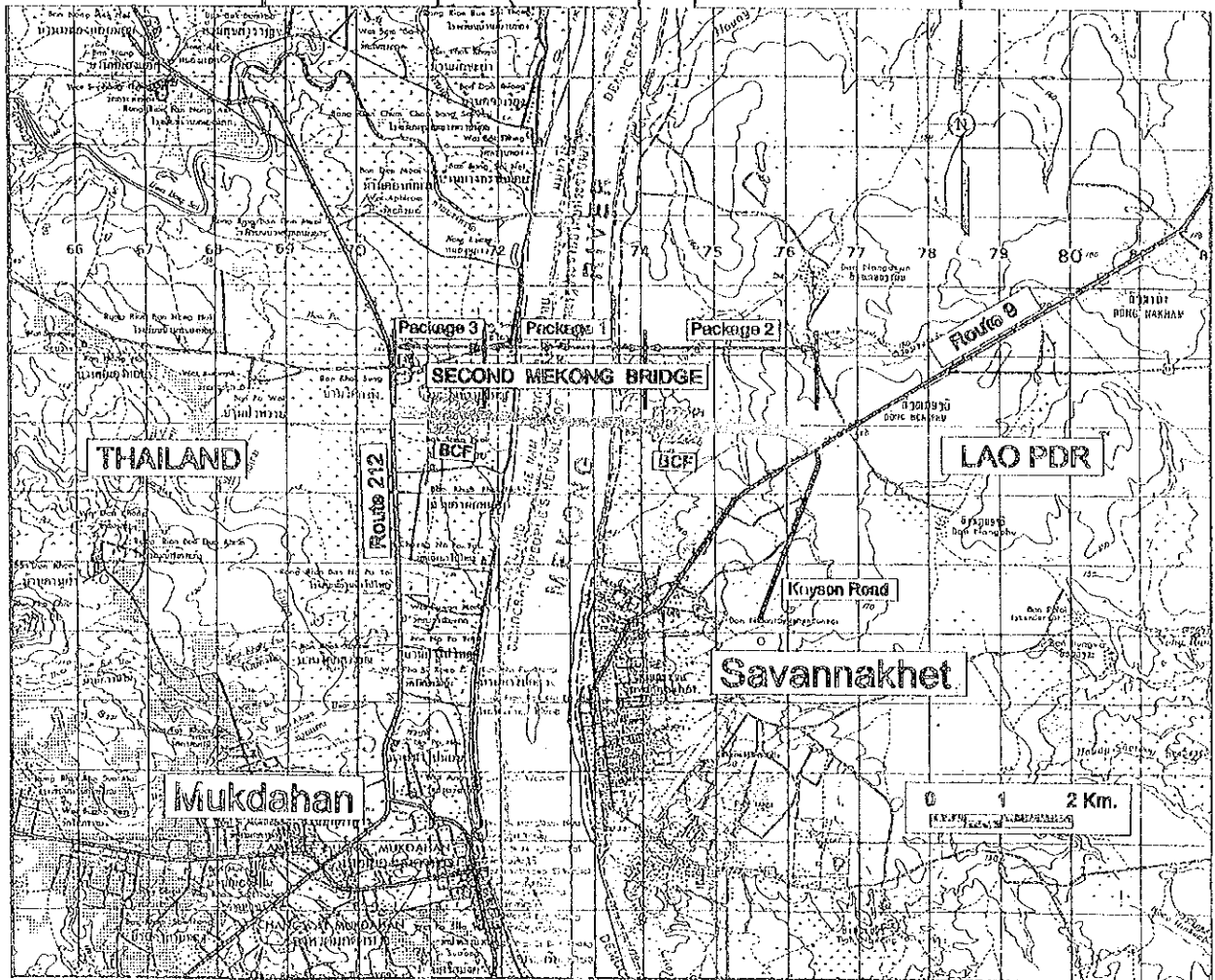
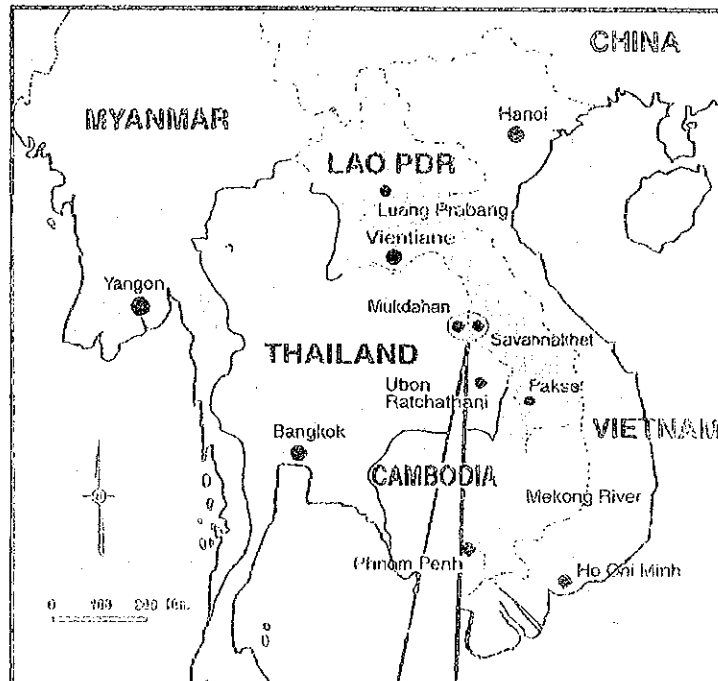
LOCATION MAP



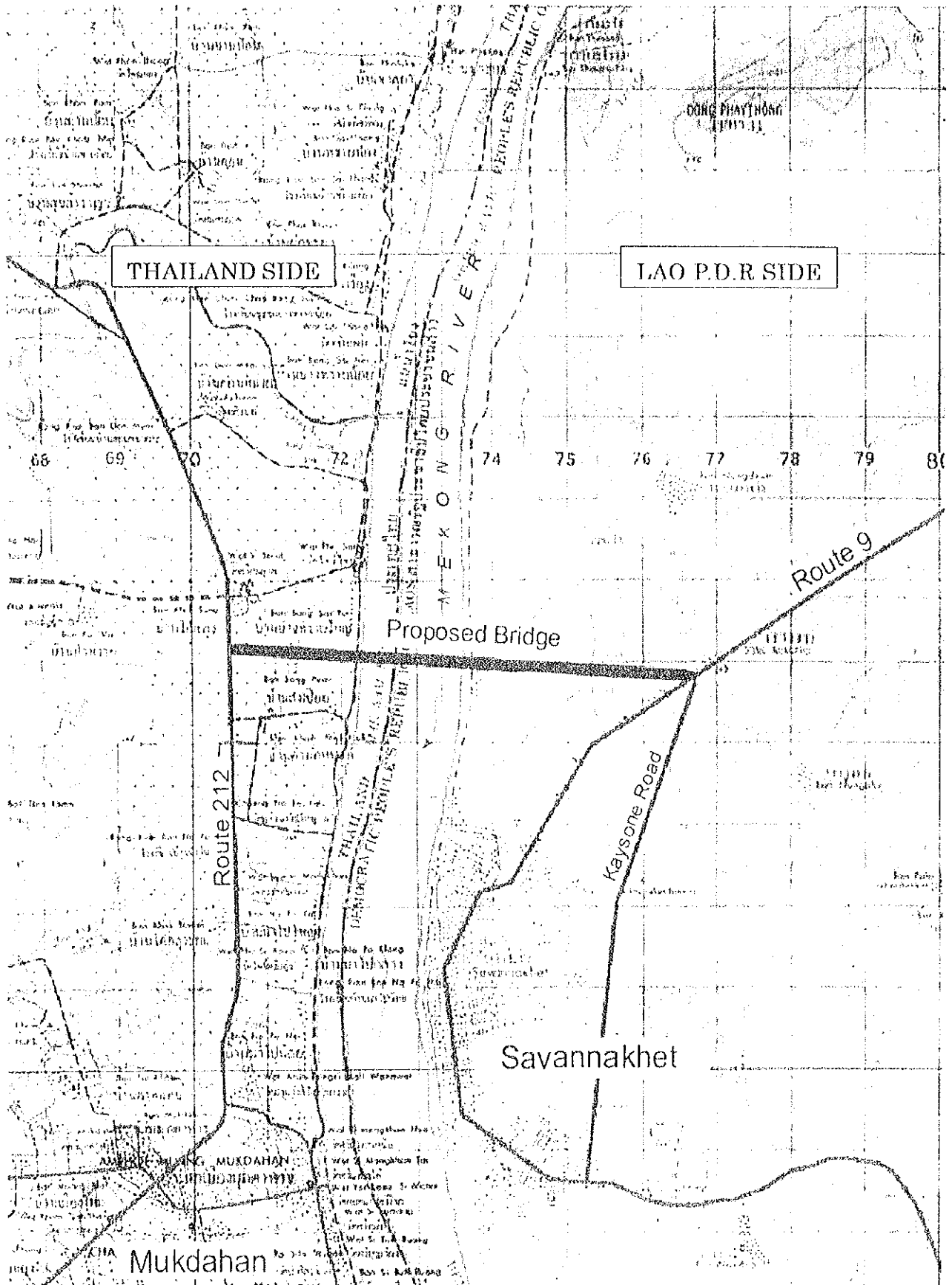
BRIDGE LOCATION MAP



LOCATION MAP



BRIDGE LOCATION MAP



2 ROAD

2.1 Design standard

The geometric design standard of the road is based on that of the Asian Highway and summarized in Table 2.1.

Table 2.1 The Geometric Design Standards of the Project

Geometric Item	Second Mekong Bridge
Class	Asian Highway Class II-L
Design Speed	80km/h
Min. Horizontal Curve Radius	400m
Min. Horizontal Curve Radius (without Transition Curve)	900m 3,500m
(without Superelevation)	
Min. Vertical Curve Radius (Crest)	5,000m 2,000m
(Sag)	
Max. Gradient	4.0%
Max. Superelevation	10.0%
Carriageway Width	3.5m 2 = 7.0m
Shoulder Width (Traffic Side)	2.5m
Crossfall	2.0%
Right of Way	50m (Lao PDR) 60m (Thailand)

2.2 Typical Cross-Section

The typical cross-sections of the connecting road on the Lao PDR the Thailand sides are shown in Figure 2.1 and 2.2, respectively. The 11m width median in the Thailand side has been decided on the basis of scheduled widening of the carriageway in the future.

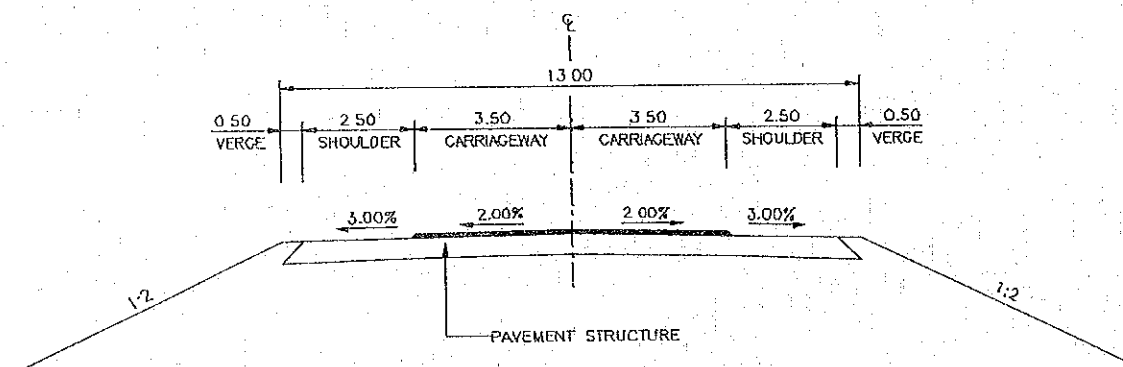


Figure 2.1 Typical Cross-section of the Connecting Road on the Lao PDR

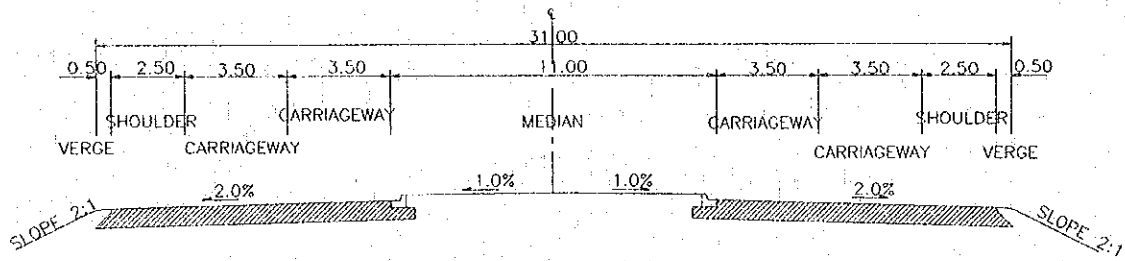


Figure 2.2 Typical Cross-section of the Connecting Road on the Thailand

2.3 Horizontal and Vertical Alignment

The horizontal alignment of the road was determined under the various controlling points such as the crossing point of the Bridge; the connecting points of Route No. 9, A-3 Road in Lao PDR, and Route No. 212 in Thailand; and the land use along the route.

The Vertical alignment of the road was determined on the basis of various vertical control points such as a navigation clearance and BCF elevation; connecting and crossover roads, and land use along the route (especially on the Lao PDR side). The horizontal and vertical alignments are shown in Figure 2.3 and 2.4.

2.4 Traffic Changeover

The traffic changeover is located between the Main Bridge and the Thailand BCF. The traffic changeover type was decided as an at-grade by reason of its simple and economical structure, as well as the expected increase in traffic volume in the future. The plan of the traffic changeover is shown in Figure 2.5.

The design standards for the traffic changeover are shown in Table 2.2.

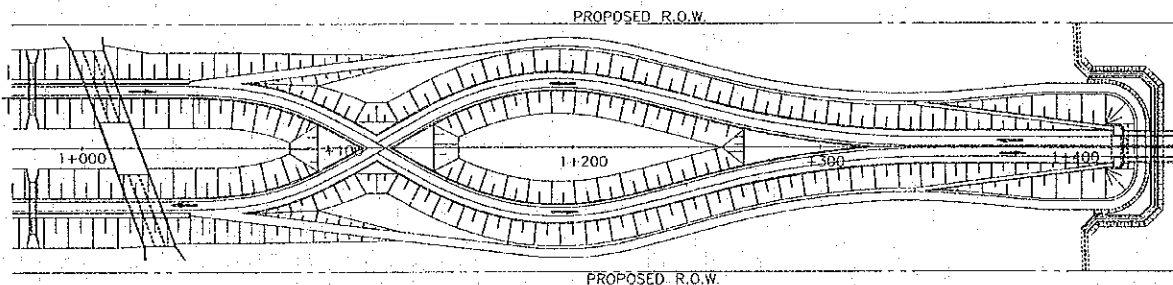


Figure 2.5 Traffic Changeover

Table 2.2 The Design Standards for the Traffic Changeover

Standard Item	Second Mekong Bridge
Class	Japanese Grade-B
Design Speed	50km/h
Number of Lanes	1 (on each side)
Min. Horizontal Curve Radius	90m
Min. Horizontal Curve Radius (without Transition Curve)	220m
Min. Horizontal Curve Radius (without Superelevation)	1,300m
Min. Horizontal Curve Length	90m
Min. Vertical Curve Radius (Crest)	5,000m
Min. Vertical Curve Radius (Sag)	2,000m
Max. Gradient	4.0%
Max. Superelevation	10.0%
Lane Width	3.5m
Shoulder Width (Traffic Side)	2.5m
Shoulder Width (Center Side)	1.0m
Verge Width	0.5m
Formation Width	8.0m
Crossfall	2.0%

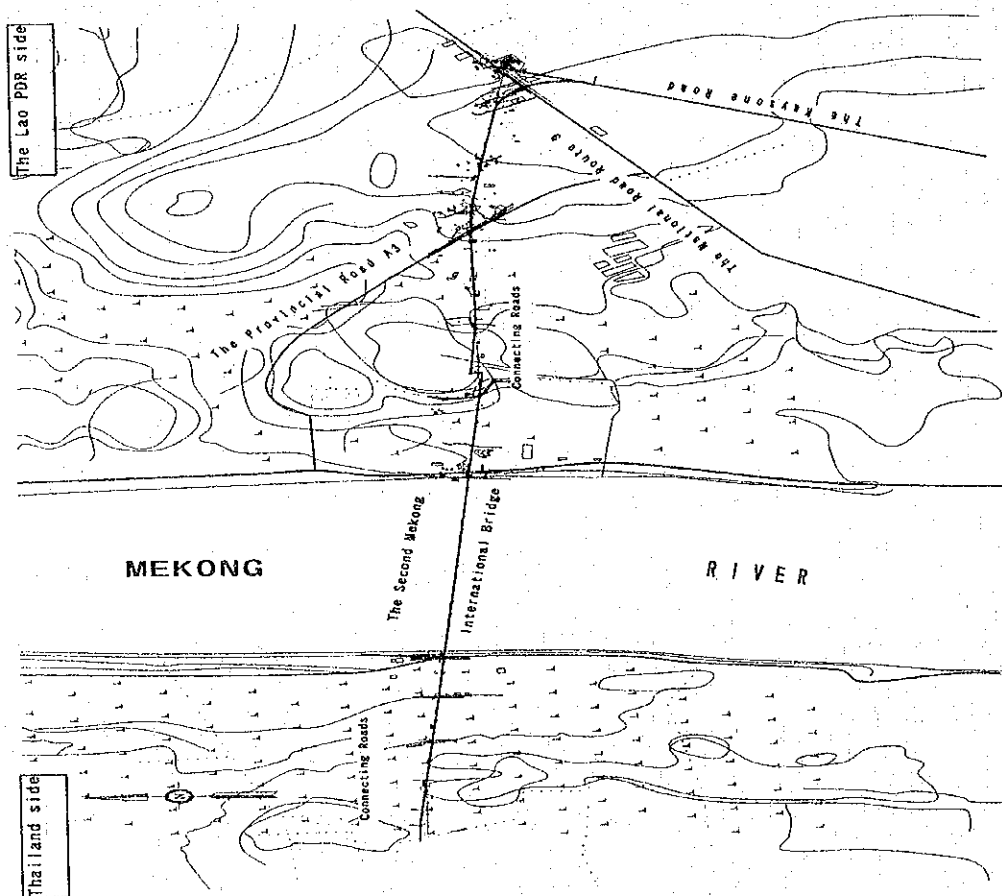


Figure 2.3 Horizontal Alignment of the Bridge and Connecting Road

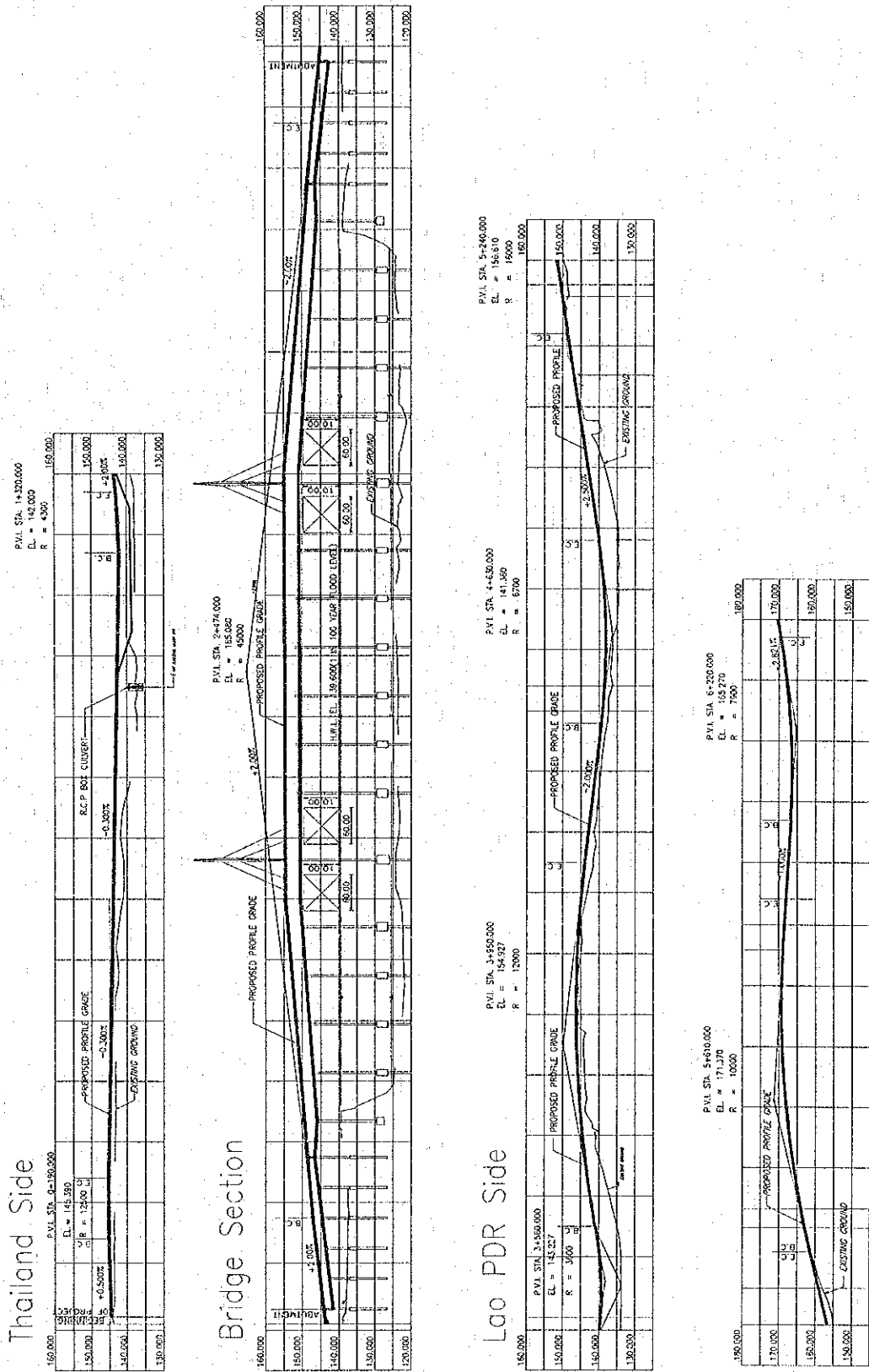


Figure 2.4 Vertical Alignment of the Bridge and Connecting Roads

2.5 Intersection

There are five roads that connect or cross the connecting roads. However, crossings of the riverbank roads at both sides of the River have been planned by using the main Bridge as an overpass. Therefore, the following three intersections have been designed.

- National Road Route No.9 (Lao PDR)
- Provincial Road A-3 (Lao PDR)
- National Highway Route No.212 (Thailand)

(a) The National Road Route No.9 Intersection

This intersection connects the connecting road of the Project, the National Road Route No.9 and Kaysone Road. But the crossing angle between the National Road Route No.9 and Kaysone Road is acute (approximately 37 degrees). Therefore, an improved roundabout type is proposed for traffic safety and also as a landmark. The intersection plan is shown in Figure 2.6.

(b) Provincial Road A-3 Intersection

The crossing angle of connecting road and the Provincial Road A-3 is approximately 42 degree. However, the required crossing angle is stipulated as more than 60 degrees in the AASHTO Standard. Therefore, the crossing angle has been modified at the intersection. The intersection plan is shown in Figure 2.7.

(c) National Highway Route No.212 Intersection

The crossing angle of the connecting road and the National Highway Route No.212 is approximately 89 degrees. Therefore, the intersection has been designed as a standard three-leg intersection type based on the DOH Standard Drawings. The intersection plan is shown in Figure 2.8.

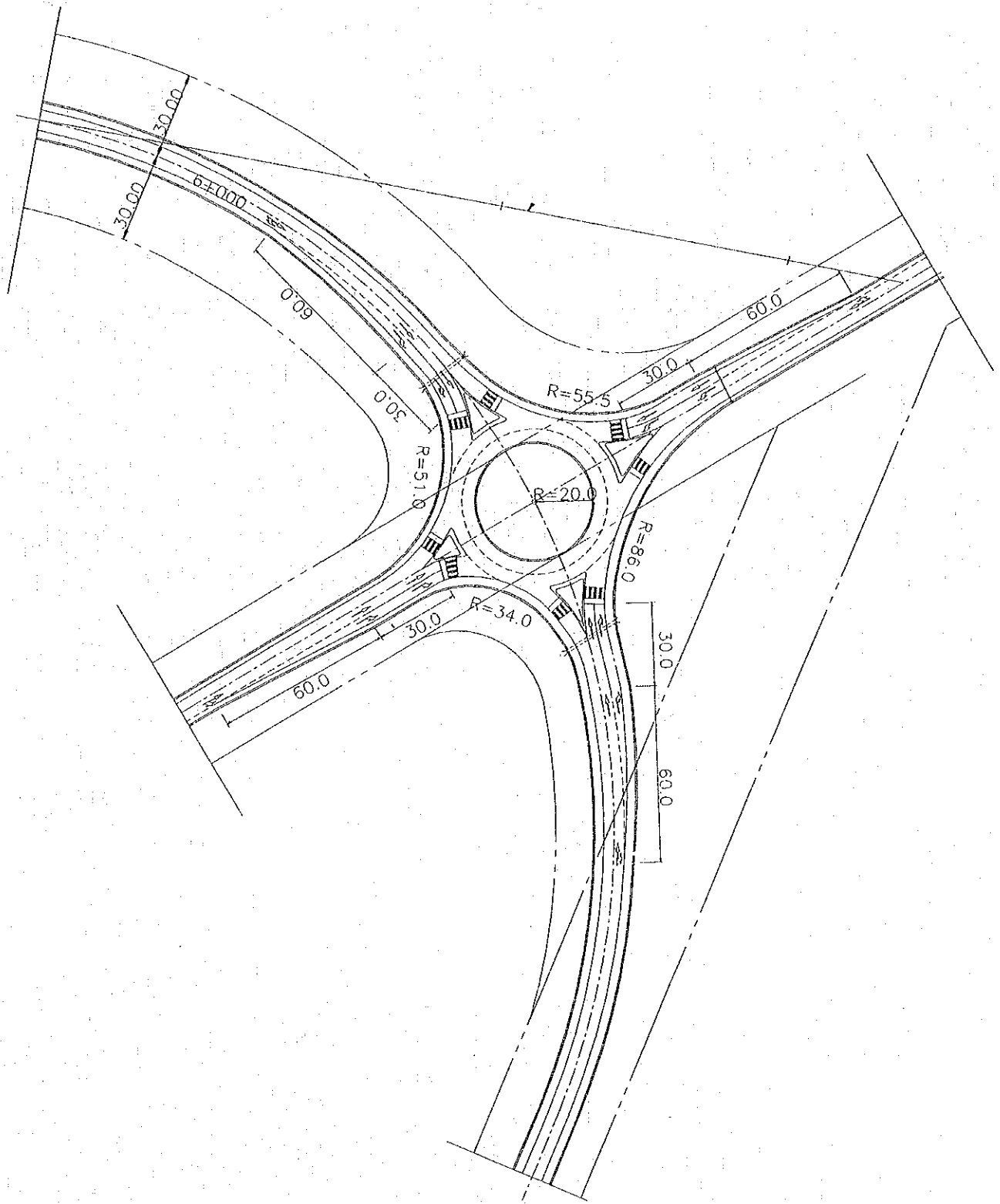


Figure 2.6 The National Road Route No.9 Intersection

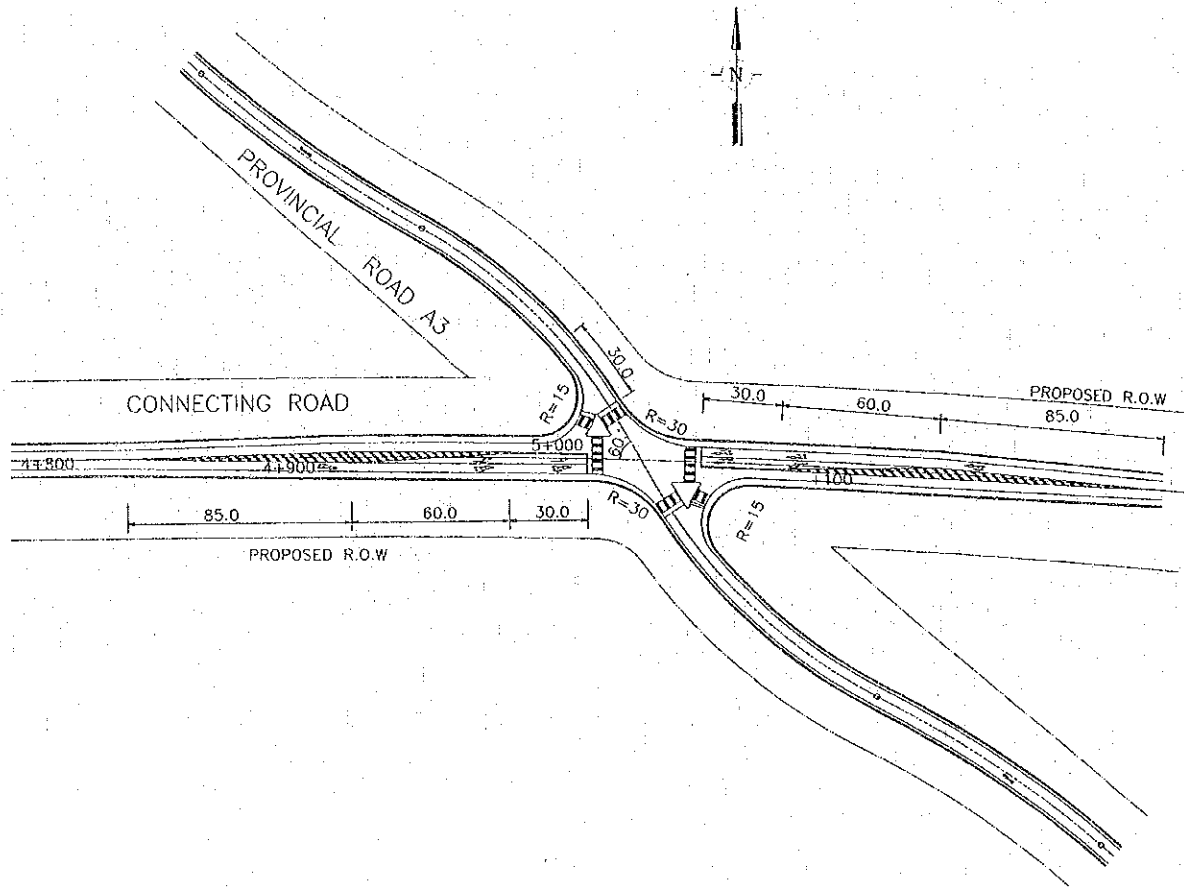


Figure 2.7 Provincial Road A-3 Intersection

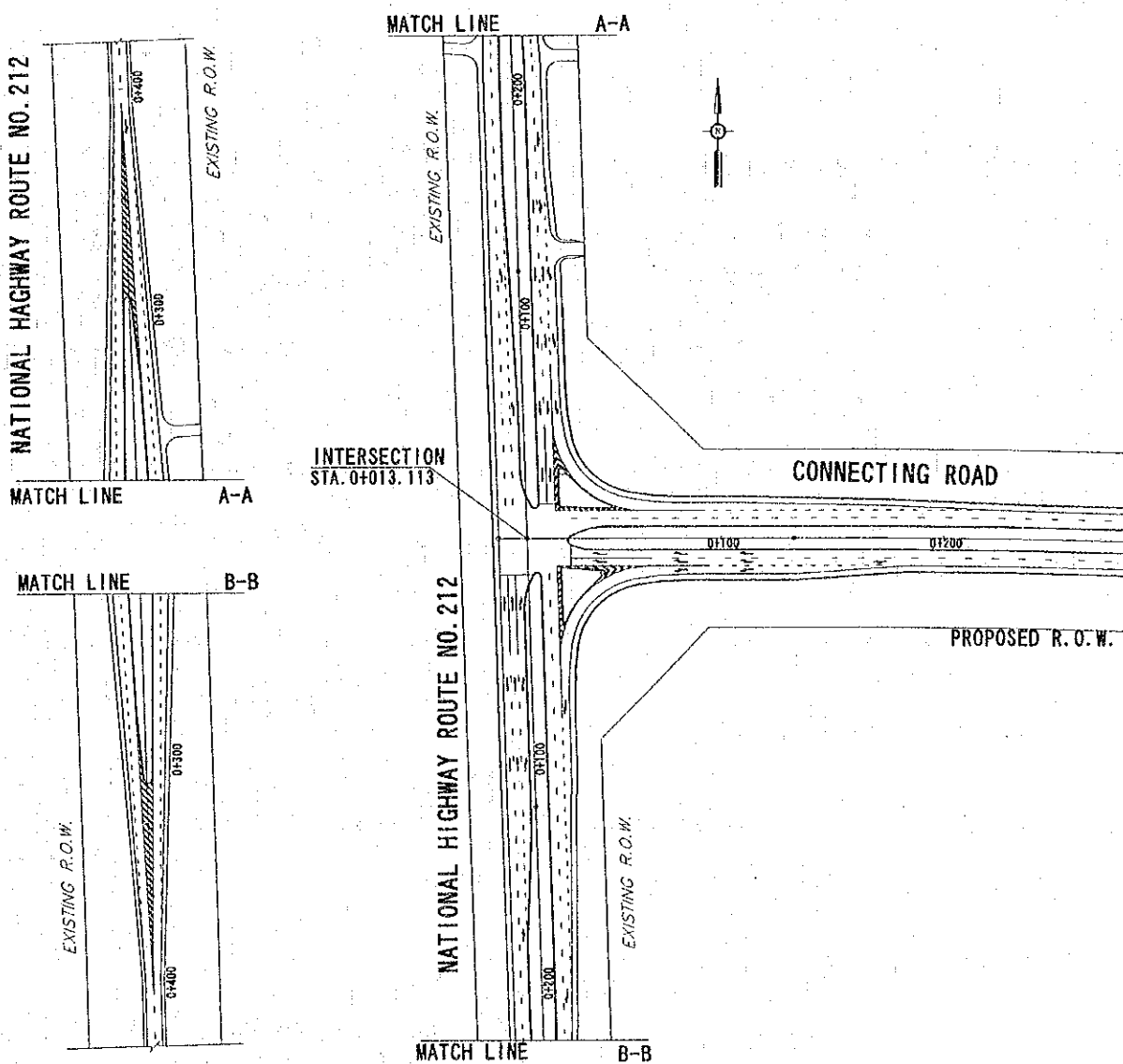


Figure 2.8 The National Highway Route No.212 Intersection

2.6 Pavement Structure

The pavement structure design has been determined based on the Manual for Asphalt Pavement and Manual for Cement Concrete Pavement (JRA : Japan Road Association). The pavement compositions for asphalt pavement and concrete pavement over shown in Figures 2.9 and 2.10, respectively.

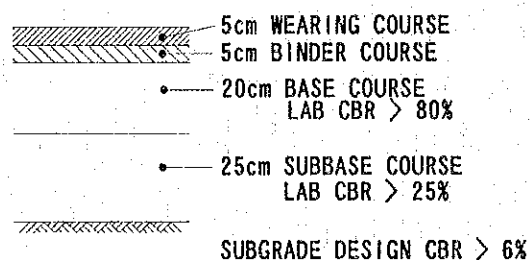


Figure 2.9
Composition of Asphalt Pavement

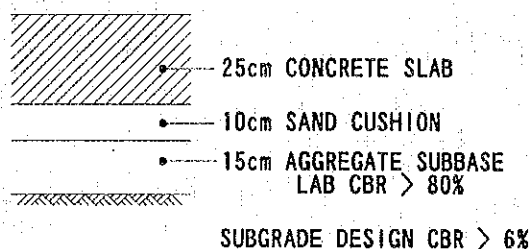


Figure 2.10
Composition of Concrete Pavement

2.7 Drainage System

The drainage systems for the Lao PDR side and the Thailand side are shown in Figure 2.11 and 2.12, respectively.

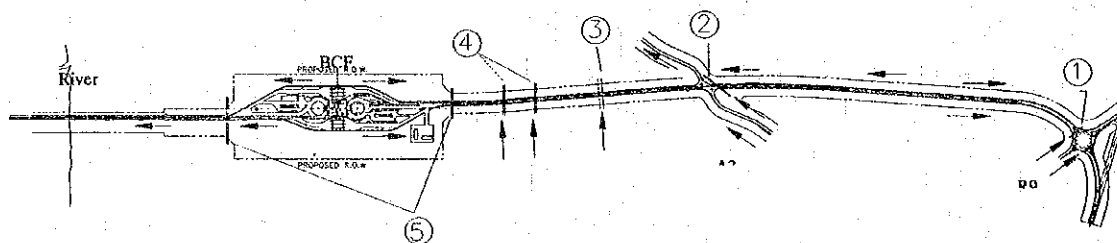


Figure 2.11 Drainage System, the Lao PDR side

- ① Pipe culverts for drainage at the intersection of the National Road Route No.9
- ② Pipe culvert for A-3 road drainage.
- ③ Box culvert for upstream drainage.
- ④ Pipe culverts for upstream drainage and irrigation
- ⑤ Pipe culverts for boundary BCF drainage

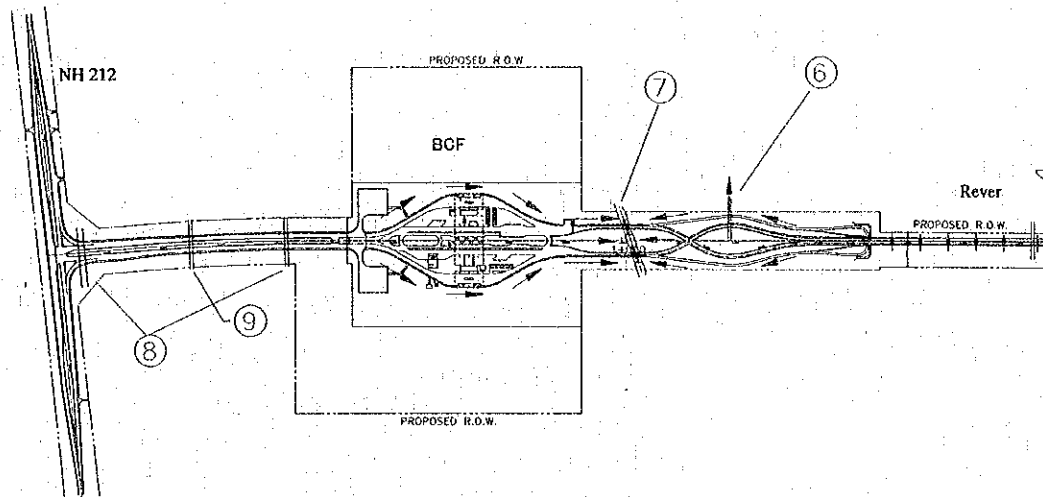


Figure 2.12 Drainage System, the Thailand side

- ⑥ Pipe culvert for drainage of traffic changeover
- ⑦ Box culvert for Po river – 3 cell box 3.6m x 3.6m
- ⑧ Pipe culverts for upstream drainage and irrigation
- ⑨ Pipe culverts for an irrigation canal

3. Bridge

3.1 Structural Source for Main Bridge

- Bridge type : PC (prestressed concrete) sail-type continuous box girder bridge (refer to Figure 3.1).
- Bridge length : 1600m
- Span : 60+4@80+2@110+5@80+2@110+4@80+60m
- Layout of bridge deck : 2x4.25m (carriageway)+ 2x1.5m (foot path) + 0.5m (media) =12.0m (standard section)
- Erection method : Pre-cast segment balanced cantilever erection method
- Alignment :

Horizontal Alignment	R= ∞
Vertical Alignment	2.0%
Crossfall of the road	2.0%
Crossfall of the sidewalk	1.5%
- Pier type : RC wall-type pier
- Foundation type : φ 2.0m cast-in-place RC multi pile foundations (except for P6, P23)
- Bearing strata : Mudstone or sandstone
- Bearing support : Elastomeric-laminated bearing
- Expansion joints : Steel finger joint type
- Guardrail : Steel type
- Lighting pole : Steel type

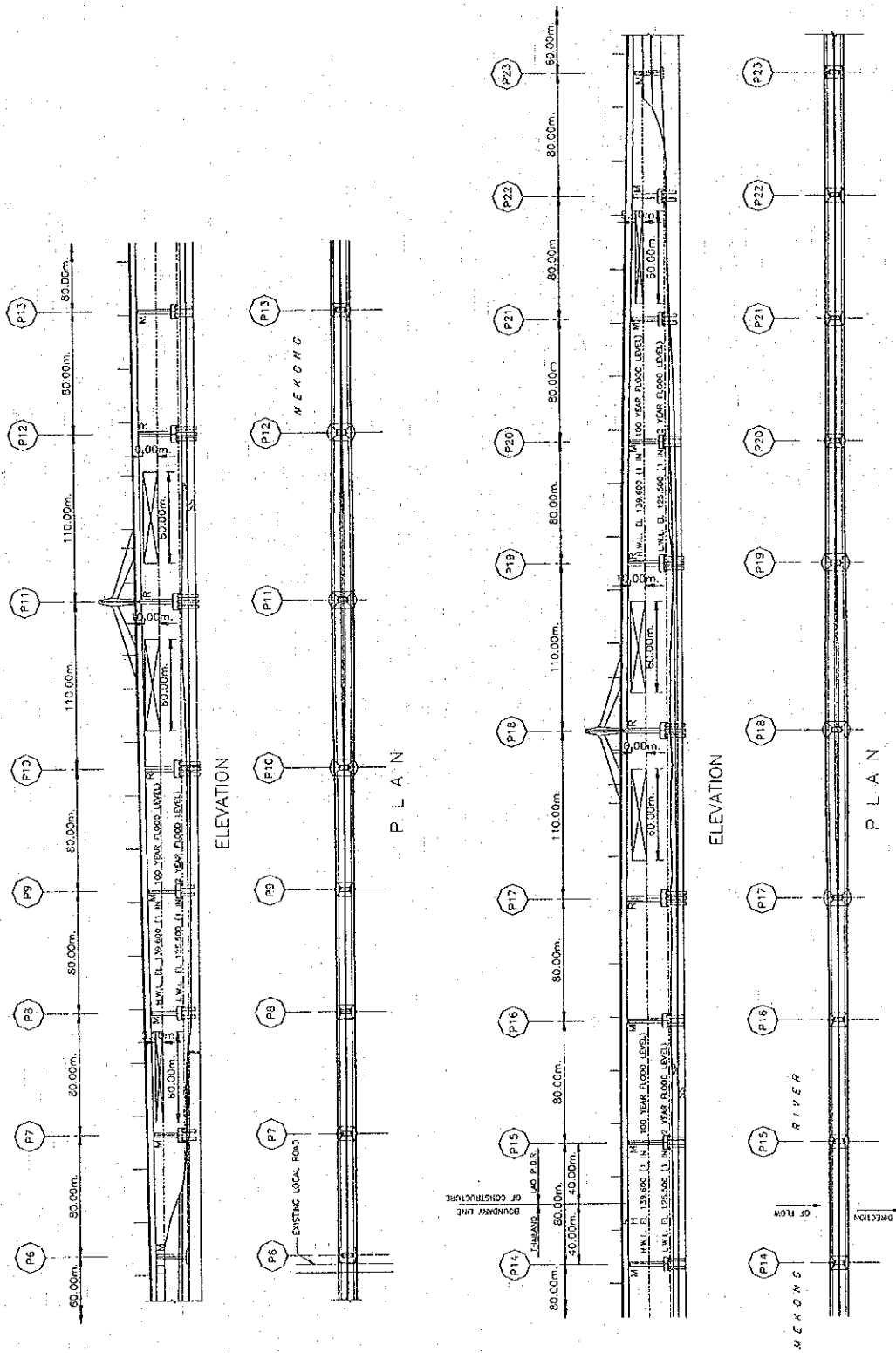


Figure 3.1(1/2) General View of the Main Bridge

3.2 Structural Source for Approach Viaduct

This chapter describes design results on the approach viaducts and ancillary works on the Main Bridge and approach viaducts.

- Bridge type : The Lao P.D.R. Side 4-span PC continuous box girder bridge
- Thailand Side 5-span PC continuous box girder bridge (Refer to Figure 4.1)
- Bridge length Span : The Lao Side 50m@4=200m
Thailand Side 50m@5=250m
- Layout of bridge deck : 2x4.25m (carriageway) + 2x1.5m (foot path) + 0.5m (median) =12.0m
- Construction method : Temporary staging and cast-in-place concrete method
- Alignment : Horizontal Alignment R= ∞
Vertical Alignment 2.0%
Crossfall of the road 2.0%
Crossfall of the sidewalk 1.5%
- Abutment type : RC reverse T-type abutment
- Pier type : RC wall-type pier
- Foundation type : φ1.0m cast-in-place RC multi pile foundations
- Bearing strata : Mudstone or sandstone
- Bearing support : Elastomeric-laminated bearing type
- Expansion joints : Steel finger joint type
- Guardrail : Steel type
- Lighting pole : Steel type

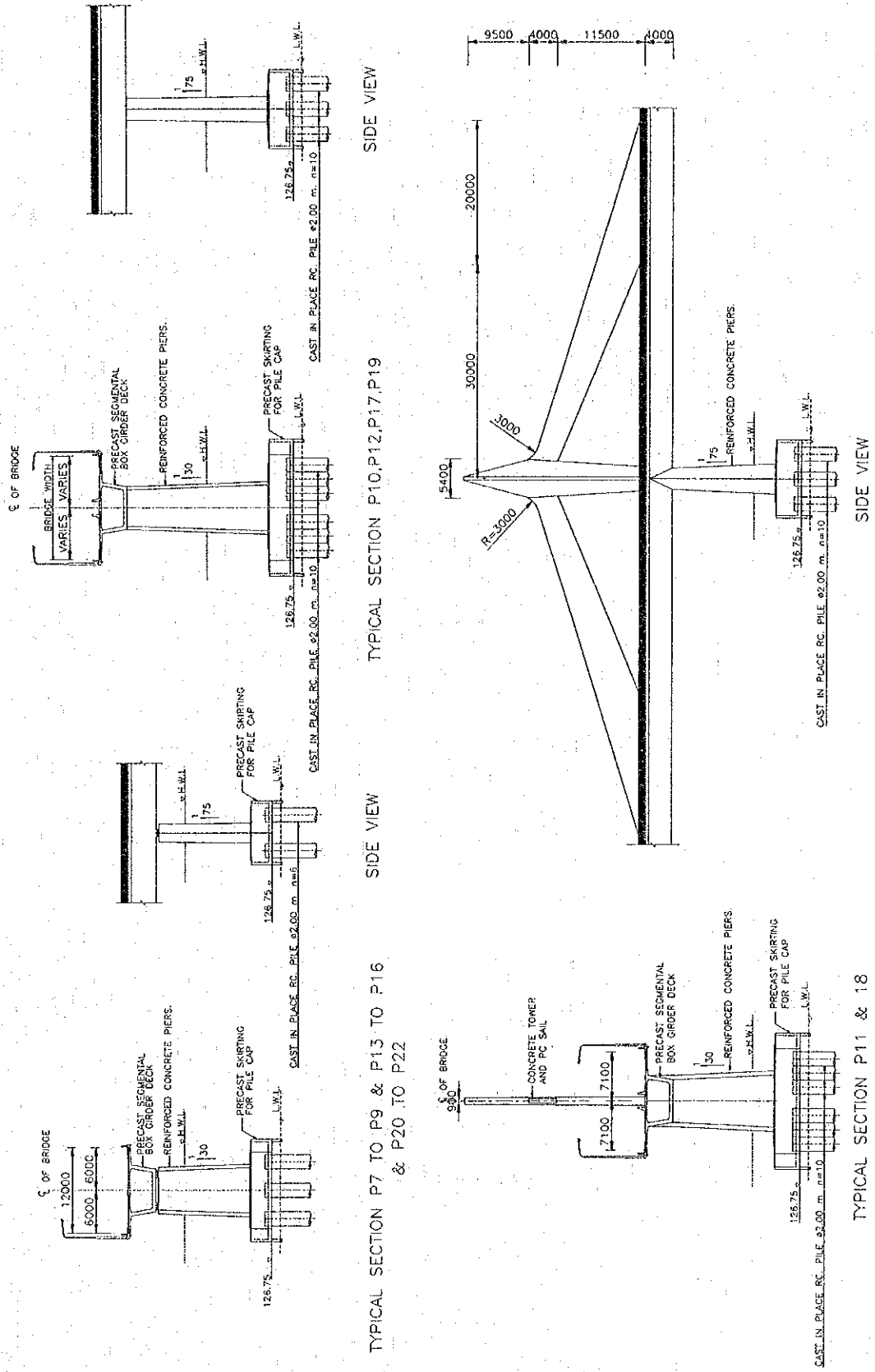


Figure 3.1(2/2) General View of the Main Bridge

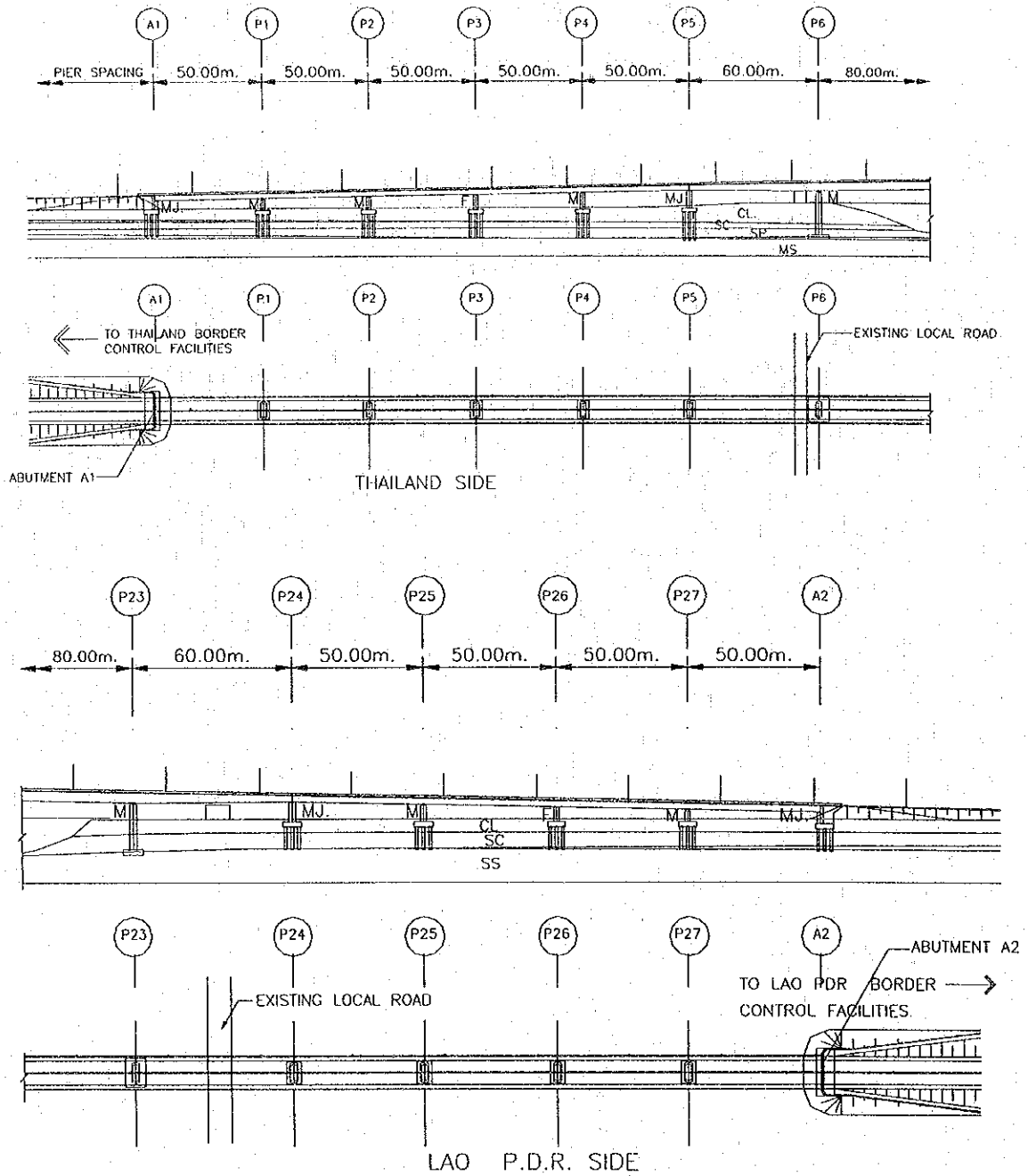


Figure 3.2 (1/2) General View of the Approach Viaduct

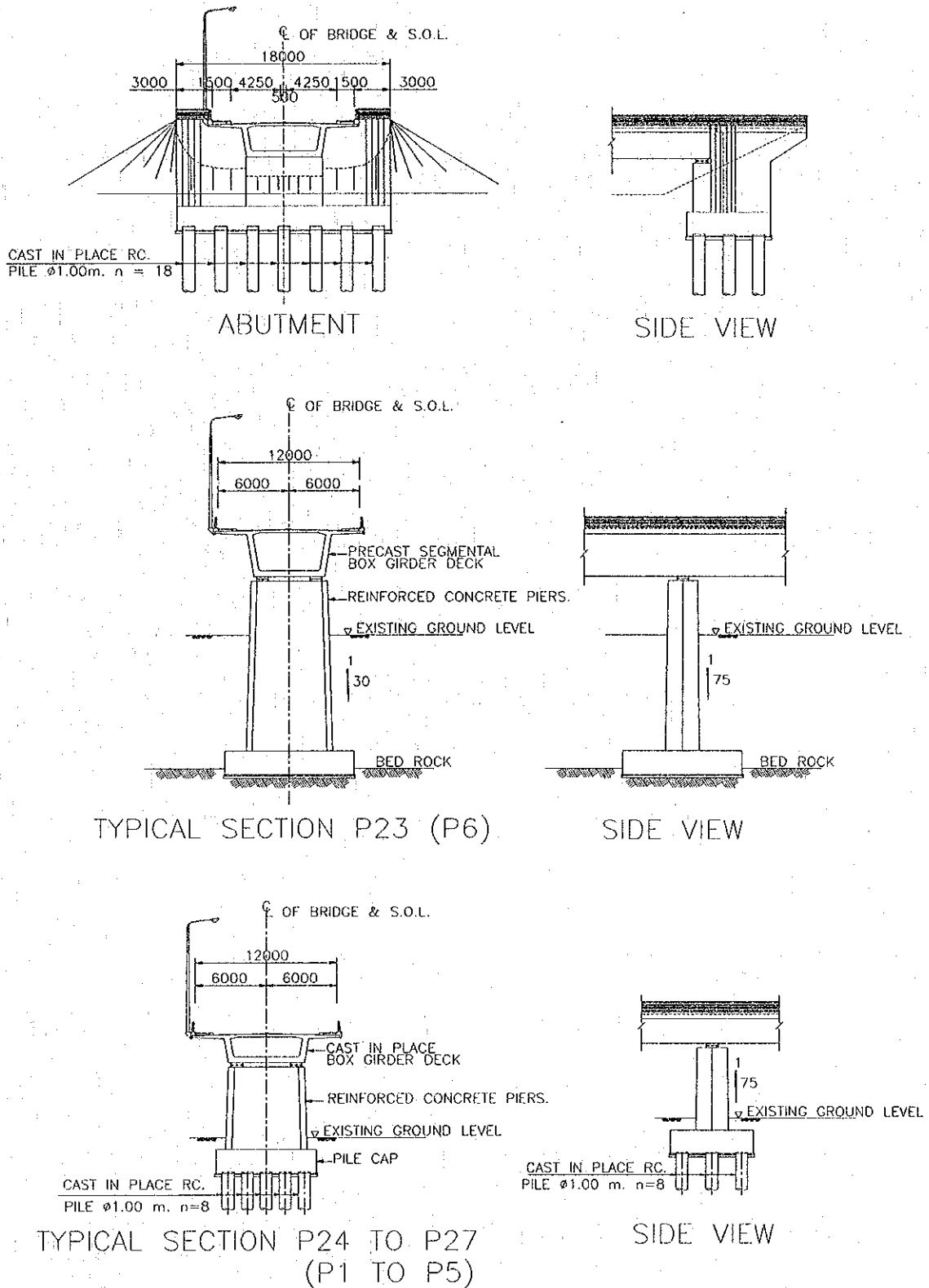


Figure 3.2 (2/2) General View of the Approach Viaduct

3.3 Riverbank Protection

The riverbank protection shall be installed only to protect substructures of the Main Bridge. A typical cross section of the revetment is shown in Figure 3.2 below.

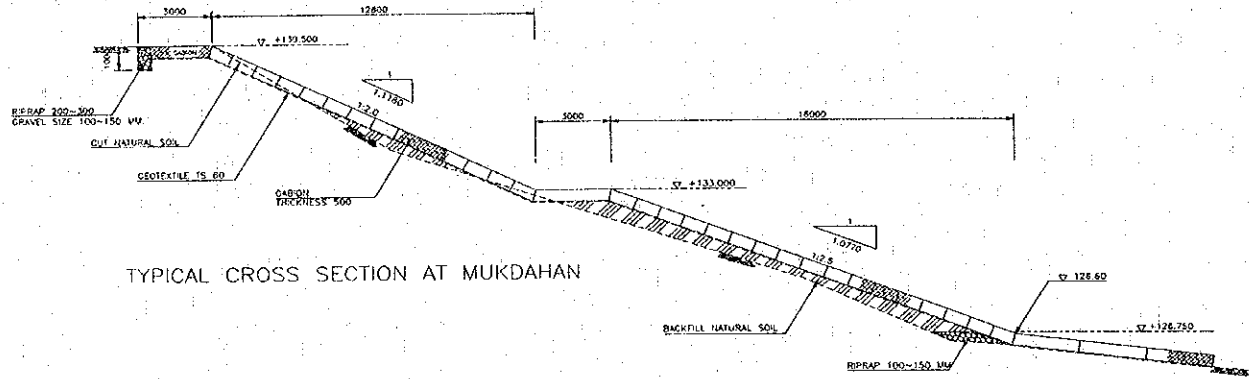


Figure 3.3 Typical Section for Revetment

4 Border Control Facilities

4.1 BCF in Lao PDR

1) Location

The location of the Lao PDR Border Control Facility (BCF) is set up between 470 and 1,070m from the Mekong riverbank. The BCF is contained in an area of approximately $600 \times 250\text{m} = 150,000\text{m}^2$ or 15 hectares (Refer to Figure 4.1).

The existing land topography in the BCF area varies between 141 and 155m above MSL and the land slopes generally upwards in the north direction. On the other hand, from the geotechnical surveys indicate that dense sandy rock is located an average of only 3m below the existing ground surface. Considering these conditions as well as the adjacent levels of connecting and approach roads, the pavement at the cross center of the BCF was set up at 151.5m above MSL so that both rock excavation and filling could be minimized.

There is an abandoned irrigation canal running through the site in a north-south direction for which no modification will be made. An existing 22kV transmission line is also running through the site and this will have to be re-routed before starting the construction work on the BCF.

2) Scope of Works

The major buildings and other works to be involved in the design of the BCF are enumerated below.

- Main Offices (Immigration, Custom, Quarantine, etc.)
- Public Toilets
- Inspection Booths (Immigration and Customs)
- Spacious Roof Structures
- Check Point and Gates
- Check and Toll Offices
- Officer's Parking Area with Roofs
- Inspection Pit and Truck Scale
- Vehicle Parking Areas
- Powerhouse and Water-Receiving Tanks
- Land Reclamation
- Roadwork within the BCF
- Surface Drainage System
- Landscaping
- Incidental Utilities
- Marking and Signs

3) Laws, Codes, Standards, and Units

The civil works for the BCF are basically designed by conforming to the design standard of the Department of Highways (DOH) in Thailand as well as TIS (Thai Industrial Standard) and other applicable local codes. All building works are designed basically in conformity with the following codes :

- a) Applicable local building laws and codes
- b) BAEL 91 and AISC for Structural Analysis
- c) ACI Building Code Requirements for Structural Concrete
- d) TIS or other international laws or codes

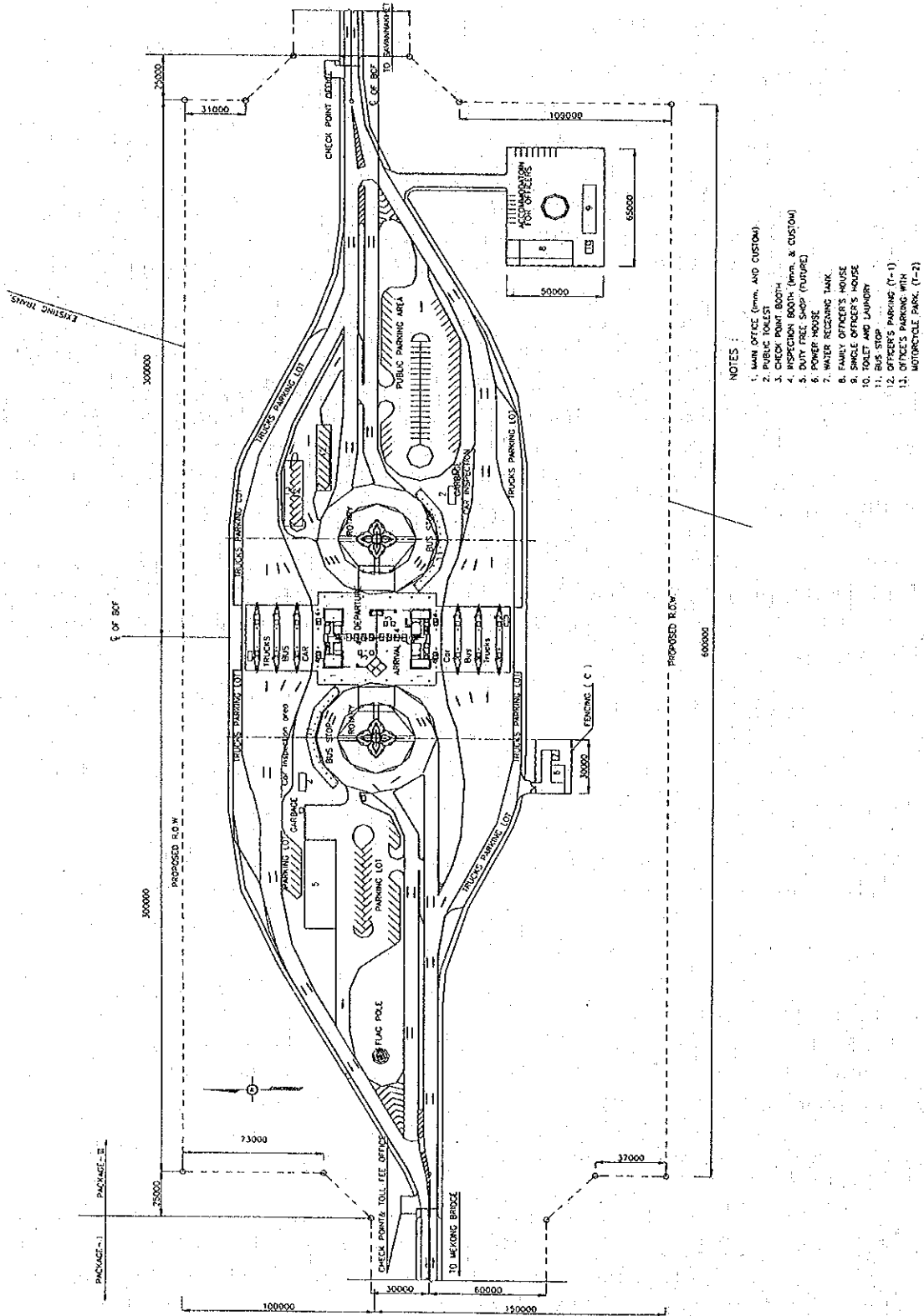


Figure 4.1 General Layout of Border Control Facilities

4.2 BCF in Thailand

1) Location

The location of the Thailand Border Control Facility (BCF) is set up between 800 and 1,200 m. from the Mekong Riverbank and from 500 to 900 m. from the National Highway Route No.212 in consideration of the adjacent road levels of the connecting road and traffic changeover, as well as the need to minimize disturbance to the private property in the area, which is contained in an area of approximately (400 ~ 500 m.) x 600 m. = 270,000 m², or 27 hectares.(Refer to Figure 4.2)

The existing land topography in the BCF area varies between 137.5 and 142.5 m. above MSL. The pavement of the BCF is set up at 144 m. above MSL so that only fill will be involved. The BCF land consists essentially of a hill (or ridge) at a level of 141 – 142.5m above MSL running through the Border Control Facility in a north-south direction.

The land consists of paddy fields in the east and the west and an uncultivated area on the hill (or ridge) area.

2) Scope of Works

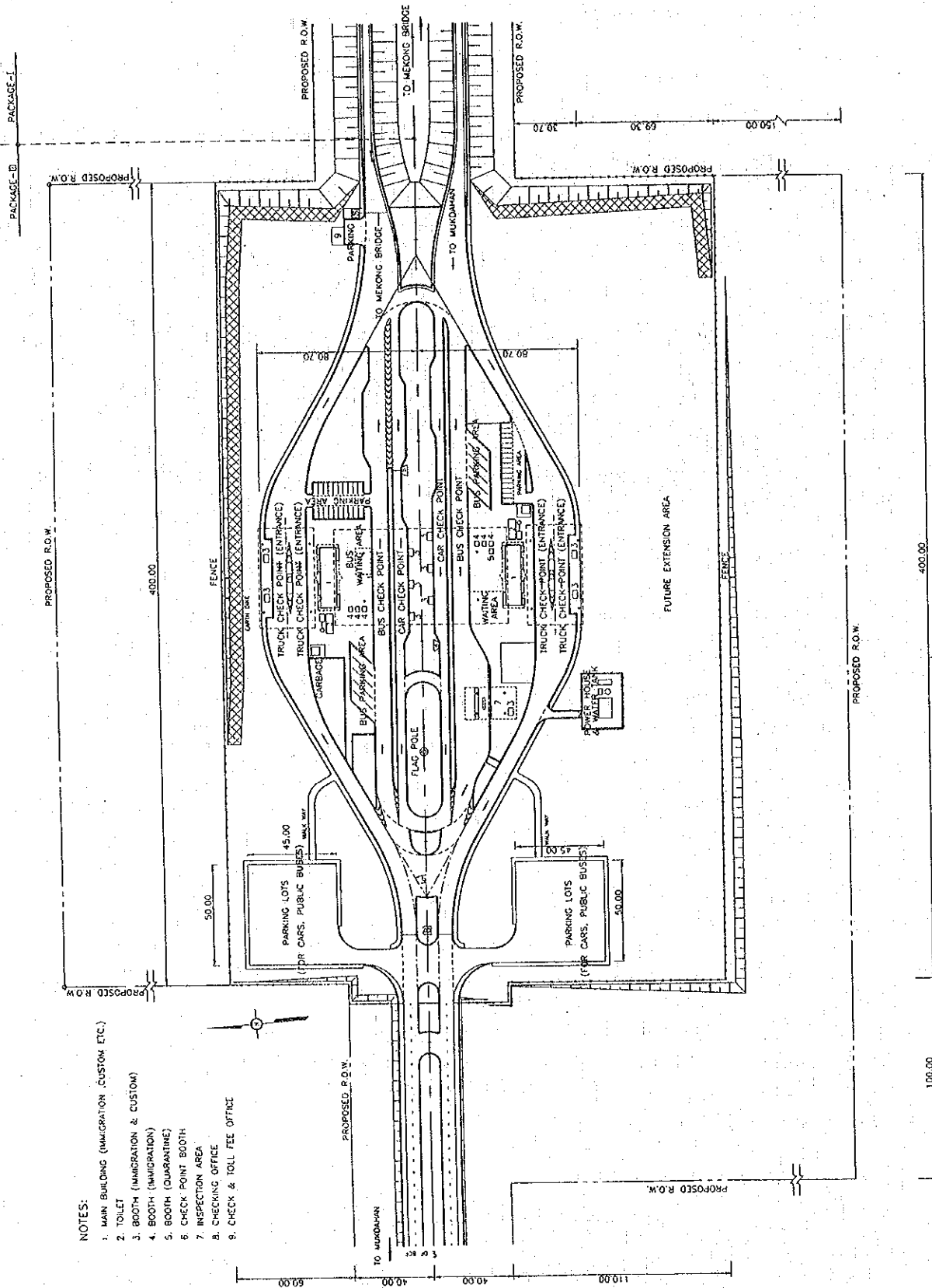
The major buildings and other works to be involved in the design of the BCF are enumerated below.

- | | |
|---|--|
| - Main Offices (Immigration, Customs, Quarantine, etc.) | - Vehicle Parking Areas |
| - Public Toilets | - Powerhouse and Water-Receiving Tanks |
| - Inspection Booths (Immigration and Customs) | - Land Reclamation |
| - Spacious Roof Structures | - Roadwork within the BCF |
| - Check Point and Gates | - Surface Drainage System |
| - Check and Toll Offices | - Landscaping |
| - Officer's Parking Area with Roofs | - Incidental Utilities |
| - Inspection Pit and Truck Scale | - Marking and Signs |

3) Laws, Codes, Standards and Units

The civil works for the BCF are basically designed by conforming to the design standard of the Department of Highways (DOH) in Thailand as well as TIS (Thai Industrial Standard) and other applicable local codes. While all building works are designed basically in conformity with the following codes :

- a) Thailand building laws
- b) ACI Building Codes for Structural Requirements
- c) AISC or EIT (The Engineering Institute of Thailand) for Structural Analysis.
- d) TIS (Thai Industrial Standard)



- NOTES:
1. MAIN BUILDING (IMMIGRATION, CUSTOM, ETC.)
 2. TOILET
 3. BOOTH (IMMIGRATION & CUSTOM)
 4. BOOTH (IMMIGRATION)
 5. BOOTH (QUARANTINE)
 6. CHECK POINT BOOTH
 7. INSPECTION AREA
 8. CHECKING OFFICE
 9. CHECK & TOLL FEE OFFICE

Figure 4.2 General Layout of Border Control Facilities

5 OTHER WORKS

For existing roads running along the river on both banks, a vertical clearance of 5.5 meters is required.

Additional works, which are required under the Project covering inter alia:

- The construction of flood protection facilities and drainage systems covering the provision of box and pipe culverts, river frontage structures, pumping facilities, precast pipes, etc.,;
- Lighting facilities and water pipes for bridge cleaning, as well as allowance for other utilities (cables, pipes, etc.);
- Provision of traffic signs and road markings;

It is vitally important that the Works are undertaken with the absolute minimum interference to existing traffic movements, vehicular or pedestrian; existing river transport operation; commercial interests, and general public convenience.

FORM OF BANK'S LETTER OR GUARANTEE

Annex - 2

FOR OPENING A REVOLVING LINE OF CREDIT

IN FAVOR OF THE BIDDER

Date

To : *[name and address of the Employer]*

Subject : Letter of Guarantee Confirming Bank's Undertaking for Opening a Line of Credit in favour of *[name of Bidder]* in case of award of them of

Works for Contract Package 3 : Thailand Border Control Facilities and Connecting Roads of the Second Mekong International Bridge Construction Project.

Dear Sir,

We, the authorized representative of *[name of address of Bank]* in case of award of Contract Package 3 : Thailand Border Control Facilities and Connecting Roads Works of the Second Mekong International Bridge Construction Project to *[name of Bidder]*, do hereby agree and undertake that *[name of Bidder]* will be provided by us with a revolving line of credit for an amount not less than as necessary, for the sole purpose of the execution of the above mentioned Contract. This revolving line of credit will be maintained until the issuance of the Taking-Over Certificate in respect of the whole of the Works.

In case you have reasons to believe that during the execution of the Contract, the construction activities at site suffer from lack of adequate cash flow and notifies in writing to that effect to us, we do hereby further undertake to place at your first demand and without cavil or argument, any sum within the limit of above stated amount.

In witness whereof, authorized representative of the Bank has hereunto signed and sealed this Letter of Guarantee.

SIGNATURE AND SEAL OF THE BANK

ISSUING THIS GUARANTEE LETTER :

Name of Bank :

Address :

LETTER OF APPLICATION

[letterhead paper of the Applicant or partner responsible for a joint venture, including full postal address, telephone no., fax no., telex no., and cable address]

Date

To :

[name and address of the Employer]

Ladies and / or Gentlemen,

1. Being duly authorized to represent and act on behalf of (hereinafter referred to as "the Applicant"), and having reviewed and fully understood all of the prequalification information provided, the undersigned hereby apply to be prequalified by yourselves as a bidder for the following contract under the Second Mekong International Bridge Construction project :

The Second Mekong International Bridge Construction

Contract Number	Contract Name
.....	Package 3 : Thailand Border Control Facilities and Connecting Roads.

2. Attached to this letter are copies of original documents defining* :
 - (a) the Applicant's legal status ;
 - (b) the principal place of business ; and
 - (c) the place of incorporation (for applicants who are corporations), or the place of registration and the nationality of the owners (for applicants who are partnerships or individually-owned firms)
3. Your Agency and its authorized representatives are hereby authorized to conduct any inquiries or investigations to verify the statements, documents and information submitted in connection with this application, and to seek clarification from our bankers and clients regarding any financial and technical aspects. This Letter of Application will also serve as authorization to any individual or authorized representative of any institution referred to in the supporting

* For applications by joint ventures, all the information requested in the prequalification documents is to be provided for the joint venture, if it already exists, and for each party to the joint venture separately. The lead partner should be clearly identified. Each partner in the joint venture shall sign the letter.]

information, to provide such information deemed necessary and as requested by yourself to verify statements and information provided in this application, such as the resources, experience, and competence of the Applicant.

4. Your Agency and its authorized representatives may contact the following persons for further information** :

General and Managerial Inquiries	
Contract 1	Telephone 1
Contract 2	Telephone 2

Personnel Inquiries	
Contract 1	Telephone 1
Contract 2	Telephone 2

Technical Inquiries	
Contract 1	Telephone 1
Contract 2	Telephone 2

Finanical Inquiries	
Contract 1	Telephone 1
Contract 2	Telephone 2

5. This application is made with the full understanding that :
- (a) Bids by prequalified applicants will be subject to verification of all information submitted for prequalification at the time of bidding ;
 - (b) your Agency reserves the right to :
 - ◆ amend the scope and value of any contracts bid under this project ; in such event, bids will only be called from prequalified bidders who meet the revised requirements ; and

[** Applications by joint ventures should provide on a separate sheet equivalent information for each party to the application.]

- ◆ reject or accept any application, cancel the prequalification process, and reject all application.
- (c) your Agency shall not be liable for any such actions and shall be under no obligation to inform the Application of the grounds for them.

Applicants who are not joint ventures should delete paras. 6 and 7 and initial the deletions.

6. Appended to this application, we give details of the participation of each party, including capital contribution and profit / loss agreements, in the joint venture or association. We also specify the financial commitment in terms of the percentage of the value of the contract, and the responsibilities for execution of the contract.
7. We confirm that if we bid, that bid, as well as any resulting contract, will be :
 - (a) Signed so as to legally all partners, jointly and severally ; and
 - (b) Submitted with a joint venture agreement providing the joint and several liabilities of all partners in the event the contract is awarded to us.
8. The undersigned declare that the statement made and the information provided in the duly completed application are complete, true, and correct in every detail.

Signed Name	Signed Name
For and on behalf of <i>(name of Applicant or lead partner of a joint venture)</i>	For and behalf of <i>(name of partner)</i>
Signed Name	Signed Name
For and on behalf of <i>(name of partner)</i>	For and behalf of <i>(name of partner)</i>
Signed Name	Signed Name
For and on behalf of <i>(name of partner)</i>	For and behalf of <i>(name of partner)</i>

APPLICATION FORM (1)

GENERAL INFORMATION

All individual firm and each partner of a joint venture applying for prequalification are requested to complete the information in this form. Nationality information should be provided for all owners or applicants who are partnerships or individually-owned firms.

Where the Applicant proposes to use named subcontractors for critical components of the works (reference sub-clause 4.2 of the Instructions), the following information should also be supplied for the specialist subcontractor(s), together with a brief description of their specialized input.

1.	Name of firm	
2.	Head office address	
3.	Telephone	Contact
4.	Fax	Telex
5.	Place of Incorporation / Registration	Year of Incorporation / Registration

NATIONALITY OF OWNERS***		
Name	Nationality	
1.		
2.		
3.		
4.		
5.		

[*** to be completed by all owners of partnerships or individually owned firms.]

APPLICATION FORM (2)

GENERAL EXPERIENCE RECORD

Name of Applicant or partner of a joint venture

All individual firms and partners of a joint venture are requested to complete the information in this form. The information supplied should be the annual turnover of the Applicant (or each member of a joint venture), in terms of the amounts billed to client for each year for work in progress or completed, converted to Yen (Millions) at the rate of exchange at the end of the period reported.

Annual turnover data (construction only)		
Year	Turnover	Yen (Millions) Equivalent
1.		
2.		
3.		
4.		
5.		

APPLICATION FORM (2a)

JOINT VENTURE SUMMARY

<i>Names of all partners of a joint venture</i>	
1.	Lead Partner
2.	Partner
3.	Partner
4.	Partner
5.	Partner

Annual turnover data (construction only : Millions of Yen equivalent)						
Partner	Form 2 page no.	Year 1	Year 2	Year 3	Year 4	Year 5
1. Lead Partner						
2. Partner						
3. Partner						
4. Partner						
5. Partner						
6. Partner						
Totals						

APPLICATION FORM (2b)

JOINT VENTURE AGREEMENT

To :

.....
[name and address of the Employer]

The undersigned of this declaration of cooperation are by means of attached Powers of Attorney legally authorized to act with regard to Contract Package 3 : Thailand Border Control Facilities and Connecting Roads of the Second Mekong International Bridge Construction Project and on behalf of their organizations.

They hereby declare :

1. that they will legalized a Joint Venture Agreement in case that a Contract for the
..... *[name of the Project]* is awarded to their group ;
2. that they have nominated *[name of the lead partner]* as the Sponsor Firm of the group for the purpose of this Bid ;
3. that they authorized Mr. / Ms. *[name of the person who is authorized to act as the Representative on behalf of the Joint Venture]* to act the Bidder's Representative in the name and on behalf of their group.
4. that all partners of the Joint Venture shall be liable jointly and severally for the execution of the Contract ;
5. that this Joint Venture is an association constituted for the purpose of the execution of the Contract Package 3 : Thailand Border Control Facilities and Connecting Roads of the Second Mekong International Bridge Construction Project under this Contract ;
6. that if the Employer accepts the Bid of this Joint Venture, it shall not be modified in its composition or constitution until the completion of Contract without the prior consent of the Employer ;
7. that each partner's share of the Work, stated as percentage of the total contract amount, shall be as follows :

Name of Partner	Share of the Work (as percentage of the Contract Amount)
1. Lead Partner	
2. Partner	
3. Partner	
4. Partner	
TOTAL	100

Give names and positions of the proposed Joint Venture Representatives, as well as organization's names and addresses :

1.	Name :	Signature :
	Position :	Date :
	Representative of : (Organization's Name)	

2.	Name :	Signature :
	Position :	Date :
	Representative of : (Organization's Name)	

3.	Name :	Signature :
	Position :	Date :
	Representative of : (Organization's Name)	

4.	Name :	Signature :
	Position :	Date :
Representative of : (Organization's Name)		

5.	Name :	Signature :
	Position :	Date :
Representative of : (Organization's Name)		

APPLICATION FORM (3)

PARTICULAR EXPERIENCE RECORD

Name of Applicant or partner of a joint venture

To prequalify, the Applicant shall be required to pass the specified requirements applicable to this form, as set out in the "Prequalification Instructions to Applicants".

On a separate page, using the format of Form (3a), the Applicant is requested to list all contracts of a value at least equivalent to Yen [This amount should be similar to the Applicant's or partner's contribution to the joint venture] million, of a similar nature and complexity to the contract for which the Applicant wishes to qualify and undertaken during the last 5 years. The partners of a joint venture should provide details of similar contracts proportionate to their share in the joint venture. The value should be based on the currencies of the contracts converted into U.S. dollars, at the date of substantial completion, or for current contracts at the time of award. The information is to be summarized, using Form (3a), for each contract completed or under execution, by the Applicant or by each partner of a joint venture.

Where the Applicant proposes to use named subcontractors for critical components of the works, the information in the following forms should also be supplied for each specialist subcontractor.

It may be permissible to request applicants to enclose evidence documents for work in progress or completed, only to the extent that it does not discourage the applicants from submission of applications. Use of copy certificates is recommended.

APPLICATION FORM (3a)

DETAILS OF CONTRACTS OF SIMILAR NATURE AND COMPLEXITY

Name of Applicant or partner of a joint venture

Use a separate sheet for each contract.

1.	Number of Contract	
	Name of Contract	
	Country	
2.	Name of Employer	
3.	Employer Address	
4.	Nature of Works and Special Features relevant to the Contract for which the Applicant wishes to prequalify	
5.	Contract Role (check one) <input type="checkbox"/> Sole Contractor <input type="checkbox"/> Management Contractor <input type="checkbox"/> Subcontractor <input type="checkbox"/> Partner in a Joint Venture	
6.	Value in specified currencies at completion, or at date of current contracts. <ul style="list-style-type: none"> • Total Contract Amount : (name of currency) • Sub-Contract Amount (if the role was sub-contractor) : (name of currency) • Responsible Contract Amount (if the role was partner in a joint venture) (name of currency) (percentage of share : %) 	
7.	Equivalent Value Yen (Millions)	
8.	Date of Award	
9.	Date of Completion	
10.	Contract / Subcontract Duration (years and months) Years Months	
11.	Specified requirements****	

**** The Applicant should insert any specific contractual criteria required for particular operations, such as annual volume of earthmoving, underground excavation, or placing concrete.]

APPLICATION FORM (4)

SUMMARY SHEET : CURRENT CONTRACT COMMITMENTS / WORKS IN PROGRESS

Name of Applicant or partner of a joint venture

Name of Contract	Value of Outstanding Work (current Millions of Yen equivalent)	Estimated Completion Date
1.		
2.		
3.		
4.		
5.		
6.		

APPLICATION FORM (5)

PERSONNEL CAPABILITIES

Name of Applicant

For specific positions essential to contract implementation, applicants should provide the names of at least two candidates qualified to meet the specified requirements stated for each position. The data on their experience should be supplied in separate sheets using one Form (5a) for each candidate.

1.	Title of Position *
	Name of Prime Candidate
	Name of Alternate Candidate
2.	Title of Position *
	Name of Prime Candidate
	Name of Alternate Candidate
3.	Title of Position *
	Name of Prime Candidate
	Name of Alternate Candidate
4.	Title of Position *
	Name of Prime Candidate
	Name of Alternate Candidate
5.	Title of Position *
	Name of Prime Candidate
	Name of Alternate Candidate

APPLICATION FORM (5a)

CANDIDATE SUMMARY

Name of Applicant

Position		Candidate <input type="checkbox"/> Prime <input type="checkbox"/> Alternate	
Candidate Information	1. Name of Candidate		2. Date of Birth
	3. Professional Qualification		
Present Employment	4. Name of Employer		
	Address of Employer		
	Telephone		Contract (manager / personnel officer)
	Fax		Telex
	Job title of Candidate		Years with Present Employer

From	To	Company / Project / Position / Relevant Technical and Management Experience

APPLICATION FORM (6)

EQUIPMENT CAPABILITIES

Name of Applicant

Item of Equipment		
Equipment Information	1. Name of Manufacturer	2. Model and Power Rating
	3. Capacity	4. Year of Manufacture
Current Status	5. Current Location	
	6. Details of Current Commitments	
Source	7. Indicate Source of the Equipment <input type="checkbox"/> Owned <input type="checkbox"/> Rented <input type="checkbox"/> Leased <input type="checkbox"/> Specially Manufactured	

Owner	8. Name of Owner	
	9. Address of Owner	
	Telephone	Contract (manager / personnel officer)
	Fax	Telex
Agreements	Details of Rental / Lease / Manufacture Agreements specific to the Project	

APPLICATION FORM (7)

FINANCIAL CAPABILITIES

Name of Applicant or Partner of a Joint Venture

Bank	Name of Banker	
	Address of Banker	
	Telephone	Contract Name and Title
	Fax	Telex

Financial Information in Yen (Millions)Equivalent	Actual : Previous five years					Projected : Next two years	
	1.	2.	3.	4.	5.	6.	7.
1. Total Assets							
2. Current Assets							
3. Total Liabilities							
4. Current Liabilities							
5. Sales							
6. Ordinary Profits							
7. Profits before Taxes							
8. Profit after Taxes							

Source of Financing	Amount (Yen (Millions) Equivalent)
1.	
2.	
3.	

4.	
----	--

Attached audited financial statements for the last five years (for the individual applicant or each partner of a joint venture).

Firms owned by individuals, and partnerships, may submit their balance sheet certified by a registered accountant, and supported by copies of tax returns, if audits are not required by the laws of their countries of origin.

Applicants should be requested to submit a bank reference letter from a reputable commercial bank to the effect that such bank certifies the financial capability of the applicants to meet their financial obligation to perform the said contract and considers to issue a specific line of credit when and if the contract is awarded to the applicants.

APPLICATION FORM (8)

LITIGATION HISTORY

Name of Applicant or Partner of a Joint Venture

Year	Award FOR or AGAINST Applicant	Name of client, cause of litigation, and matter in dispute	Dispute Amount (Current Value, Yen (Millions) Equivalent)

APPLICATION FORM (9)

LIST OF PREQUALIFICATION FORMS FILLED IN BY THE APPLICANT

Name of Applicant or Partner of a JV:.....

Indicate the number of sheets duly filled in by the Applicant for each Form No.

FORM NO.	NUMBER OF SHEETS PREPARED BY APPLICANT	REMARKS
Form (1)
Form (2)
Form (2a)
Form (2b)
Form (3)
Form (3a)
Form (4)
Form (5)
Form (5a)
Form (6)
Form (7)
Form (8)
Form (9)

JICA

