

ASE THA 208B /88

Compiled	March 1990
Revised	March 1991

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Thailand	1. SITE OR AREA	Phuket, Phangnga, and Krabi (Greater Phuket)		1. PRSENT STATUS <input type="checkbox"/> Completed or in Progress <input checked="" type="checkbox"/> Promoting <input type="radio"/> Completed <input type="radio"/> Implementing <input type="radio"/> Processing <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Potential Tourism Development for the Southern Region	2. PROJECT COSTS	Total Cost	Local Cost Foreign Cost	
3. SECTOR	Tourism/ General	(US\$1,000) 1) 2) 3)			(Description) 1) TAT is making preparations to obtain the Cabinet endorsement on the proposed projects. 2) TAT is coordinating with Royal Forest Dept. and F Art Dept on the implementation of the projects proposed for public sector investment such as Andaman Historical and Cultural Research Center, Tourism Manpower Training School (Phuket) and National Park Training Center (Phuket). 3) TAT has obtained an OECF loan to implement 72 tourism-related projects by the end year (1991) of the 6th national development plan. When those projects are completed as scheduled, TAT intends to apply for another OECF loan on tourism-related projects.
4. REFERENCE NO.		3. CONTENTS OF MAJOR PROJECT(S)			
5. TYPE OF STUDY	(M/P)+F/S	1) New resort complex: - Thai Muang international beach resort base (5,000 hotel rooms) - Khok Kloi public beach development (1,000 hotel rooms) 2) Phuket marine center (100ha) - Yacht harbor (200 berths for yachts and a basin for boats) - Marine hotel (200 rooms) - Marine center (restaurants, supermarkets)			
6. COUNTERPART AGENCY	Tourism Authority of Thailand	Implementation Period: 1989 - 2001			
7. OBJECTIVES OF STUDY	Formulation of a master plan through 2001 and feasibility analysis of priority projects	4. FEASIBILITY AND ITS ASSUMPTIONS			
8. DATE OF S/W	Jul. 1987	EIRR FIRR 1) 12.9% 2) 13.4%			
9. CONSULTANT(S)	JCP Co., Ltd. and Pacific Consultants International	Feasibility: Yes		2. MAJOR REASONS FOR PRESENT STATUS	
10. STUDY TEAM	No. of Members 16 Period Nov. 1987 - Mar. 1989 (12 months) Total M/M 58.79 Japan 21.04 Field 37.75	Conditions and Development Impacts: See the preceding page.			
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	Market survey LANDSAT survey	5. TECHINCAL TRANSFER			
12. EXPENDITURE	Total 211,779 (¥'000) Contracted 198,915	OJT on the selection of sites for international tourism development, analysis of tourism development potentials, market development and promotion campaigns and programming through intergration with other organizations		3. PRINCIPAL SOURCES OF INFORMATION (1)	

PROJECT SUMMARY (F/S)

Compiled March 1990
Revised March 1991

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT																
1. COUNTRY	Thailand	1. SITE OR AREA	Bangkok, Chiang Mai, Khon Kaen, Nakhon Sawan, Nakhon Ratchasima, Hat Yai/Songkhla		1. PRESENT STATUS <input type="checkbox"/> Completed or in Progress <input type="radio"/> Completed <input type="radio"/> Implementing <input type="radio"/> Processing <input checked="" type="checkbox"/> Promoting <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled															
2. NAME OF STUDY	Project of the Regional Truck Terminals	2. PROJECT COSTS	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>1) (US\$1,000)</td> <td>8,780</td> <td>4,704</td> <td>4,076</td> </tr> <tr> <td>2)</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3)</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	1) (US\$1,000)	8,780	4,704	4,076	2)				3)		
	Total Cost	Local Cost	Foreign Cost																	
1) (US\$1,000)	8,780	4,704	4,076																	
2)																				
3)																				
3. SECTOR	Transportation/ Land Transportation	3. CONTENTS OF MAJOR PROJECT(S)	(Description) A JICA expert has been attached to DLT since Nov. 1988. Three proposed regional truck terminals presupposes the existence of the terminal proposed for Bangkok. The Government of Thailand is expecting the private investments in the Bangkok terminal, and the implementation of the three terminals are dependent on the progress of this move.																	
4. REFERENCE NO.																				
5. TYPE OF STUDY	F/S																			
6. COUNTERPART AGENCY	Dept. of Land Transport (DLT), Ministry of Communications																			
7. OBJECTIVES OF STUDY	Projection of cargo and determination of the scale of regional terminals	Implementation Period:	1989 - 2000																	
8. DATE OF S/W	Oct. 1986	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR																
9. CONSULTANT(S)	Pacific Consultants International	Feasibility:	1) 40.36% 2) 16.89% 3) 39.63%																	
10. STUDY TEAM	No. of Members 10 Period Jan. 1987 - Jul. 1988 (19 months) <table border="1"> <thead> <tr> <th>Total M/M</th> <th></th> </tr> </thead> <tbody> <tr> <td>Japan</td> <td>48.30</td> </tr> <tr> <td>Field</td> <td>17.50</td> </tr> <tr> <td></td> <td>30.80</td> </tr> </tbody> </table>	Total M/M		Japan	48.30	Field	17.50		30.80	Conditions and Development Impacts: Physical distribution was projected for 1987, 1996, and 2006. Cargo traffic projections were based on the O/D survey and interviews of enterprises, and economic growth projections by NESDB. Composition of cargo was determined according to the regular O/D survey conducted by DLT. EIRR was calculated on the assumption that the terminal in Bangkok be constructed and in operation. Regional truck terminals will contribute to (1) efficient land use in regional cities, (2) smoother road traffic in and around regional cities, (3) efficiency improvement of transport, (4) economy of scale by joint use of facilities and equipment, (5) stimulation of regional economies, and (6) environmental conservation.	2. MAJOR REASONS FOR PRESENT STATUS									
Total M/M																				
Japan	48.30																			
Field	17.50																			
	30.80																			
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHNICAL TRANSFER	OJT on the traffic survey and the interview survey Participation of 2 counterparts in the JICA training program																	
12. EXPENDITURE	<table border="1"> <thead> <tr> <th>Total</th> <th>159,475 (¥000)</th> </tr> </thead> <tbody> <tr> <td>Contracted</td> <td>151,993</td> </tr> </tbody> </table>	Total	159,475 (¥000)	Contracted	151,993	3. PRINCIPAL SOURCES OF INFORMATION														
Total	159,475 (¥000)																			
Contracted	151,993																			
		(1) (2)																		

PROJECT SUMMARY (Basic Study)

Compiled	March 1990
Revised	March 1991

ASE THA 502/88

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	Thailand	1. SITE OR AREA	Bangkok Metropolitan Region	1. PRESENT STATUS	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2. NAME OF STUDY	Topographic Mapping of Bangkok Metropolitan Area	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	Total Cost Local Cost Foreign Cost	(Description) The start of the topographic survey and aerial photography scheduled for the first year was delayed due to some procedural matters, but the work progressed as planned during the second year. The printing of the maps, the final phase of the work, was done by the Royal Thai Survey Dept. in the third year.	
3. SECTOR	Social Infrastructures/ Survey & Mapping	(US\$1,000)			
4. REFERENCE NO.		3. MAJOR PROJECT(S) PROPOSED			
5. TYPE OF STUDY	Basic Study	Aerial photography	Bangkok Metropolitan Region 4,000 sq.km		
6. COUNTERPART AGENCY	Bangkok Metropolitan Administration(BMA)	Topographic mapping (Scale:1/10,000)	Bangkok Metropolitan Area 2,000 sq.km		
7. OBJECTIVES OF STUDY		Topographic mapping (Scale:1/4,000)	Builtup Area of Bangkok 300 sq.km		
8. DATE OF S/W	Mar.1986	4. CONDITIONS AND DEVELOPMENT IMPACTS	The maps will provide the base for planning transportation, flood control, housing, sewerage and other aspects of urban planning for the Bangkok Metropolitan Area.	2. MAJOR REASONS FOR PRESENT STATUS	
9. CONSULTANT(S)	International Engineering Consultants Association and Kokusai Kogyo Co., Ltd.				
10. STUDY TEAM	No. of Members 65 Period Sep.1986 - Mar.1989 (28 months) Total M/M 213.3 Japan 52.2 Field 161.1				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHINCAL TRANSFER	1) OJT on aerial triangulation, drafting, editing and other mapping processes. 2) OJT on new technologies of digital mapping and computer-aided mapping.	3. PRINCIPAL SOURCES OF INFORMATION (1)	
12. EXPENDITURE	Total 1,002,033 (¥000) Contracted 983,807				

和名 バンコク首都圏地形図作成事業

{M/P, M/P+(F/S), Basic Study, Other}

PROJECT SUMMARY (Other)

Compiled	March 1990
Revised	March 1991

ASE THA 604 /88

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	Thailand	1. SITE OR AREA		1. PRESENT STATUS	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2. NAME OF STUDY	City Planning Manual	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	Total Cost Local Cost Foreign Cost (US\$1,000) 1) 8,550 8,550 2)	(Description) - The planning techniques included in the manual has been utilized by various divisions of the DTCP. - Preparations are under way to establish the proposed center. - The Government of Thailand requested JICA for a study on land consolidation and zoning.	
3. SECTOR	Social Infrastructures/ Urban Planning & Land Development	3. MAJOR PROJECT(S) PROPOSED			
4. REFERENCE NO.		The study suggested measures to strengthen the organization of the DTCP (structural reform, technical training, data management system, etc.) and measures to improve the capability of the DTCP in planning, implementing and research, and proposed the establishment of a center for promoting urban planning and improvement. The proposed center will be attached to the DTCP and work with the NESDB, the Regional Administration Dept. of the Ministry of Interior, Chulalongkorn Univ., Asian Institute of Technology and others. Major activities of the center are (1) technical training and (2) database management and R&D. Major facilities are seminar houses and dormitories.			
5. TYPE OF STUDY	Other				
6. COUNTERPART AGENCY	Dept. of Town and Country Planning (DTCP), Ministry of Interior				
7. OBJECTIVES OF STUDY	Technical transfer on urban planning				
8. DATE OF S/W	Aug. 1987	4. CONDITIONS AND DEVELOPMENT IMPACTS			
9. CONSULTANT(S)	Yachiyo Engineering Co., Ltd.	- The project will strengthen the functions of the DTCP. - Improvement of urban planning techniques will contribute to the national socio-economic development.			
10. STUDY TEAM	No. of Members 11 Period Nov. 1987 - Feb. 1989 (13 months) Total M/M 63.37 Japan 4.33 Field 59.04				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHNICAL TRANSFER		2. MAJOR REASONS FOR PRESENT STATUS	
		OJT and a seminar			
12. EXPENDITURE	Total 229,891 (¥'000) Contracted 210,450			3. PRINCIPAL SOURCES OF INFORMATION	
				(1)	

和名 都市計画策定指針作成

{M/P, M/P+(F/S), Basic Study, Other}

PROJECT SUMMARY (M/P)

Compiled March 1991
Revised

ASE THA 105/89

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	Thailand	1. SITE OR AREA	Whole area of the Kingdom Thailand		1. PRESENT STATUS <input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2. NAME OF STUDY	Master Plan of Telecommunications Development	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	US\$1=145Yen Total Cost Local Cost Foreign Cost		
3. SECTOR	Communications & Broadcasting/ Telecommunication	(US\$1,000) 1) 6,406,759 3,525,379.3 2,881,379.3 2)			(Description) A further study titled "A Study on Regional Development Plan for Telecommunications Network in the Bangkok Metropolitan Area in the Kingdom of Thailand" was requested by the Government of Thailand in February 1990 on the recommendation of this Study report.
4. REFERENCE NO.		3. MAJOR PROJECT(S) PROPOSED			
5. TYPE OF STUDY	M/P	1.To install 4,345 thousand new main telephone lines within 15 years from FY 1993, and have total 6,168 thousand lines at the end of FY 2007. To improve telephone density from 3.2 at the end of FY 1992 to 10.7. To meet the telephone demand at the end of 1997. 2.To make existing network fully digitized in order to provide enhanced telecommunication services such as ISDN all over the country by the end of FY 2007.			
6. COUNTERPART AGENCY	Telephone Organization of Thailand				
7. OBJECTIVES OF STUDY	To formulate a long term development plan for the period from FY 1993 to FY 2007 in Thailand				
8. DATE OF S/W	Jun.1988	4. CONDITIONS AND DEVELOPMENT IMPACTS			
9. CONSULTANT(S)	NTT International Corporation	Conditions 1.Fund raising of required investment costs. 2.Improvement of management of TOT such as construction, operation and maintenance, procurement, marketing and customer relations, human resources, organization, budgeting and finance, tariff design, and management information.			
10. STUDY TEAM	No. of Members 11 Period Sep.1988 - Dec.1989 (15 months) Total M/M 75.61 Japan 34.72 Field 40.89	Development Impacts 1.Fulfillment of national telephone demand and provision of versatile services. 2.Realization of an informationized society and more dynamic and innovative business operation.		2. MAJOR REASONS FOR PRESENT STATUS While TOT hires a foreign consultant company to implement 5th project, they have an intention to implement 6th and later projects by themselves. Since TOT does not have concrete future plan at present, they asked the Study team for the future planning.	
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHINICAL TRANSFER Technical Transfer in Japan was conducted to TOT counterparts, 2 members JICA sponsored and 4 TOT sponsored, while Study period of Work in Japan-2(July and August of 1989) on 41 days about the process of formulating the long term development plan. Field surveys of NTT facilities were also arranged to them.		3. PRINCIPAL SOURCES OF INFORMATION	
12. EXPENDITURE	Total 220,718 (¥'000) Contracted 212,870				

和名 国内電話網拡充長期計画

(M/P, M/P+(F/S), Basic Study, Other)

PROJECT SUMMARY (M/P + F/S)

Compiled	March 1991
Revised	March 1990

ASE THA 211 /89

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	Thailand	1. SITE OR AREA			1. PRSENT STATUS <input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2. NAME OF STUDY		Patum Thani & Prachatipat, Phuket, Su Ngai Golok Phang Nga, Takua Pa, Thung Song.			
Provincial Water Supply Projects		2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	Total Cost	Local Cost	Foreign Cost
3. SECTOR		(US\$1,000)	1) 233,228	117,079	116,149
Public Utilities/ Water Supply		2)			
4. REFERENCE NO.		3. MAJOR PROJECT(S) PROPOSED			
5. TYPE OF STUDY	M/P+ (F/S)	Dam, Intake Facilities, Transmission Facilities. Treatment Facilities and Distribution Facilities.			
6. COUNTERPART AGENCY					
Provincial Waterworks Authority					
7. OBJECTIVES OF STUDY					
8. DATE OF S/W		4. CONDITIONS AND DEVELOPMENT IMPACTS			
9. CONSULTANT(S)		Major urbanization is observed in Paturm Thani & Prachatipat, and Phuket island is a most famous resort in Thailand. Su Ngai Golok is a trading area along boundary. Phang Nga, Takua Pa and Thung Song are main commercial center in the southern region of Thailand. This development Project has a economic viability with several social economic benefits, such as consumer satisfaction, health benefit, land values increase and increased employment opportunities.			
Nippon Jogesuido Sekkei Co.,Ltd.		In financial aspect, however, PWA equity shall be infused or water rates increased to cover the financial deficits.			
10. STUDY TEAM					
No. of Members					
Period	Jul. 1988 - Mar. 1990 (21 months)				
Total M/M	58.23				
Japan	26.04				
Field	32.17				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY					
Topographic Survey Soil Investigation		5. TECHINCAL TRANSFER			
		Through the study, planning, demand forecasting, design of each facilities and 08 M management method has been transferred to counterparts.			
12. EXPENDITURE					
Total	355,723 (¥'000)				
Contracted	164,359				
		2. MAJOR REASONS FOR PRESENT STATUS			
		There are very higher economic and social efficiency in investment of these projects.			
		As compared to financing capability of government of Thailand, these projects need more capital costs			
		3. PRINCIPAL SOURCES OF INFORMATION			

和名 地方都市水道整備計画

(M/P, M/P+(F/S), Basic Study, Other)

ASE THA 211 /89

[illegible]

PROJECT SUMMARY (M/P + F/S)

Compiled March 1991
Revised

ASE THA 210/89

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	Thailand	1. SITE OR AREA			1. PRESENT STATUS <input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2. NAME OF STUDY	Medium to Long Term Improvement/Management Plan of Road and Road Transport in Bangkok	Medium and long - term road plan Area within the, Outer Ring Road			
3. SECTOR	Transportation/ Urban Transportation	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	Total Cost	Local Cost	(Description) Concerning the expressway, arterial roads and bus way projects proposal in the M/P and in accordance with the request of BMA issued in May 1990, IECA dispatched a preliminary study team to undertake the necessary studies in order to formulate the bus way project. Based on the report of the IECA Study BMA intends to prepare an official request to have this project implemented under JICA aid.
4. REFERENCE NO.		(US\$1,000)	1) 5,007,320	2,164,880	
5. TYPE OF STUDY	M/P+ (F/S)		2)	2,842,440	
6. COUNTERPART AGENCY	Bangkok Metropolitan Administration (BMA)	3. MAJOR PROJECT(S) PROPOSED			
7. OBJECTIVES OF STUDY	Medium an Long-term road plan. (M/P) Area traffic control (ATC) system (F/S) Common utility duct (CUD) system	1) Main Roads (1) Expressways (12 projects including following 3 projects) Expressway linking Thonburi-Bang Su-Ramkhamdeng Expressway linking Phet Kasem and SSE Expressway linking Nonchaburi and Bang Kapi (2) At-grade Main Roads (44 projects) 2) Bus-ways (13 projects)			
8. DATE OF S/W	Apr. 1988	4. CONDITIONS AND DEVELOPMENT IMPACTS			
9. CONSULTANT(S)	Yachiyo Engineering Co., Ltd. AIMEC Corporation International Engineering Consultants Associaton	In order to meet the future transportation demand of both private and public modes at certain service levels, the study revealed that a package of road projects, comprising expressways (a total of 184km), segregated bus-ways (121km), at-grade main roads (599km) and distributors (56km specifically identified only in and around the city centre) has to be implemented by year 2006, in addition to the development of the extended LRT system (91km) and elevated Northern Line of SRT (45km). All these projects are economically viable.		2. MAJOR REASONS FOR PRESENT STATUS	
10. STUDY TEAM	No. of Members 18 Period NOV. 1988 - Mar. 1990 (17 months) Total M/M 127.24 Japan 55.37 Field 71.87	5. TECHINCAL TRANSFER		3. PRINCIPAL SOURCES OF INFORMATION	
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	Common utility duct data collection survey Traffic survey	Accepted of trainees : 3 persons Seminar was held in Bangkok with the attendance of about 300 people.			
12. EXPENDITURE	Total 448,794 (¥'000) Contracted 424,258				

和名 バンコク首都圏中・長期道路交通計画

(M/P, M/P+(F/S), Basic Study, Other)

PROJECT SUMMARY (M/P + F/S)

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT																
1. COUNTRY	Thailand	1. SITE OR AREA	ATC Project: Area within the Middle Ring Road and adjacent areas (235 intersections) CUD Project: Area within the Middle Ring Road.		1. PRESENT STATUS <input type="checkbox"/> Completed or in Progress <input type="radio"/> Completed <input type="radio"/> Implementing <input type="radio"/> Processing <input checked="" type="checkbox"/> Promoting <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled															
2. NAME OF STUDY	Medium to Long Term Improvement/Management Plan of Road and Road Transport in Bangkok	2. PROJECT COSTS	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>1) (US\$1,000)</td> <td>43,840</td> <td>15,767</td> <td>28,073</td> </tr> <tr> <td>2)</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3)</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	1) (US\$1,000)	43,840	15,767	28,073	2)				3)		
	Total Cost	Local Cost	Foreign Cost																	
1) (US\$1,000)	43,840	15,767	28,073																	
2)																				
3)																				
3. SECTOR	Transportation/ Urban Transportation	3. CONTENTS OF MAJOR PROJECT(S)	(Description) 1) Based on the ATC F/S study, the detailed design and tender documents were prepared from March to November of 1990 for the project under the JICA study titled "The Detailed Design Study on Area Traffic Control Project in Bangkok". 2) The Government of Thailand has decided to construct the exclusive road for automobiles utilizing San Saep Canal by BOT, and is now negotiating with interested private investors. 3) The Government is requesting a JICA feasibility study on the exclusive bus road proposed by the study.																	
4. REFERENCE NO.																				
5. TYPE OF STUDY	(M/P)+F/S																			
6. COUNTERPART AGENCY	Bangkok Metropolitan Administration (BMA)																			
7. OBJECTIVES OF STUDY	Medium an Long-term road plan. (M/P) Area traffic control (ATC) system (F/S) Common utility duct (CUD) system	(ATC)..... Improvement and expansion of the area traffic control system. 1. Stage I 143 intersections 2. State II 92 intersections (CUD).....Case Study 1. Trunk line CUD.....1,200m 2. Supply line CUD.....700m																		
8. DATE OF S/W	Apr. 1988	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR																
9. CONSULTANT(S)	Yachiyo Engineering Co., Ltd. AIMEC Corporation International Engineering Consultants Association	Feasibility:																		
10. STUDY TEAM	No. of Members 18 Period Nov. 1988 - Mar. 1990 (17 months) Total M/M 127.24 Japan 55.37 Field 71.87	Conditions and Development Impacts: (ATC) Making observations on current conditions and analyzing traffic survey results, the problems related to the ATC system in particular were evaluated and organized in a relevant manner. In order to evaluate the effectiveness of the ATC system in controlling traffic the total vehicle operating cost (VOC) and travel time cost (TTC) were estimated. In addition, an implementation program for the recommended plan was evaluated on the basis of the economic analysis.	2. MAJOR REASONS FOR PRESENT STATUS																	
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	Common utility duct data collection survey Traffic survey	5. TECHINICAL TRANSFER	3. PRINCIPAL SOURCES OF INFORMATION																	
12. EXPENDITURE	Total 448,794 (¥'000) Contracted 424,258	Accepted of trainees: 3 persons Seminar was held in Bangkok with the attendance of about 300 people.																		

PROJECT SUMMARY (F/S)

Compiled March 1991
Revised

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Thailand	1. SITE OR AREA	Bangkok City Study Area 380 sq.km Population 3.7 million	1. PRESENT STATUS	<input type="checkbox"/> Completed or in Progress <input type="radio"/> Completed <input type="radio"/> Implementing <input type="radio"/> Processing <input checked="" type="checkbox"/> Promoting <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Purification of Klong Water in Bangkok	2. PROJECT COSTS	US\$1=145Yen Total Cost 8,920 Local Cost 6,120 Foreign Cost 2,800	(Description) Two JICA experts are dispatched to the Department of Drainage and Sewerage of Bangkok Metropolitan Administration, the executive agency of the Project. And one expert is also engaged in promoting the implementation of the project.	
3. SECTOR	Public Utilities/ Sewerage	3. CONTENTS OF MAJOR PROJECT(S)	1) An urgent water quality improvement for the Klong with the introduction of dilution water from the Chao Phraya River by remodeling the existing gates and pumps that are utilized for drainage only at present. 2) Aerated lagoon treatment of Klong water in two ponds to realize a net pollution load reduction and to abate water quality deterioration of the Chao Phraya River by the dilution water introduction. 3)		
4. REFERENCE NO.		Implementation Period:	1990 - 2000		
5. TYPE OF STUDY	F/S	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR FIRR		
6. COUNTERPART AGENCY	Department Drainage and Sewerage, Bangkok Metropolitan Administration	Feasibility:	2. MAJOR REASONS FOR PRESENT STATUS		
7. OBJECTIVES OF STUDY	Urgent Klong Water Purification in Bangkok	Conditions and Development Impacts:			
8. DATE OF S/W	Sep.1987	5. TECHINCAL TRANSFER	Consecutive observation of klong water quality and water flow. Simulation analysis of klong water quality by computer.	3. PRINCIPAL SOURCES OF INFORMATION	
9. CONSULTANT(S)	Pacific Consultants International, Tokyo Engineering Consultants Co., Ltd.	12. EXPENDITURE Total 236,285 (¥'000) Contracted 206,294			
10. STUDY TEAM	No. of Members 10 Period Dec.1987 - Feb.1990 (27 months) Total M/M 56.47 Japan 20.01 Field 34.46				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	Topographic Survey Construction of Aerated Lagoon Treatment System				

PROJECT SUMMARY (F/S)

Compiled March 1991
Revised

ASE THA 323/89

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Thailand	1. SITE OR AREA	Bangkok and Laem Chabang		1. PRESENT STATUS <input type="checkbox"/> Completed or in Progress <input type="radio"/> Completed <input type="radio"/> Implementing <input type="radio"/> Processing <input checked="" type="checkbox"/> Promoting <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Measure to Promote the Container Handling System through Laem Chabang Port	2. PROJECT COSTS	Total Cost Local Cost Foreign Cost (US\$1,000) 1) 32,440 21,420 11,020 2) 47,461 3)		
3. SECTOR	Transportation/ port	3. CONTENTS OF MAJOR PROJECT(S)	(Description) a) Laem Chabang Port Development is being implemented introducing Yen credit, and four container berths are planned to be commissioned in August 1990. Moreover, the deadline of international competitive bid which decides users of the container berths was October 20th 1989, and the bid will be conducted. b) ICD is being prepared for Yen credit		
4. REFERENCE NO.					
5. TYPE OF STUDY	F/S				
6. COUNTERPART AGENCY	OESB, NESDB, NOTC, PAT, SRT, BSAA				
7. OBJECTIVES OF STUDY					
8. DATE OF S/W		Implementation Period:	1989 - Aug.1991 1994 - 1996		
9. CONSULTANT(S)	Pacific Consultants International, Overseas Coastal Area Development Institute of Japan	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR 17.6%	FIRR 6.5%	
10. STUDY TEAM	No. of Members 12 Period Mar.1988 - Jul.1989 (16 months) Total M/M 71.80 Japan 31.90 Field 39.90	Feasibility: Yes			
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		Conditions and Development Impacts:			
12. EXPENDITURE	Total 190,597 (¥'000) Contracted 188,539	a) Economic Growth Rate: 6.5% (-1990), 5% (1991-) b) Container Cargo Volume in Thailand: 1996 15,560,000 tons (1,487,000 TEUS) 2001 19,832,000 tons (1,818,000 TEUS) c) Laem Chabang Port Development: container cargo 1996: 6.8 million tons (638,000 TEUS) 2001: 10.6 million tons (953,000 TEUS) container berth 1996: 4, 2001: 6 d) Reduction of freight costs by effectuating container transport system and promotion of economic growth.			
		5. TECHINICAL TRANSFER			
		1. Promotion of technical transfer by joint study 2. Promotion of technical transfer by employing a local consultant for O/D survey 3. Counterpart training			
			2. MAJOR REASONS FOR PRESENT STATUS		
			This project is a main part of the Development Project of Laem Chabang Coastal Area which is planned as a national project.		
			3. PRINCIPAL SOURCES OF INFORMATION		

