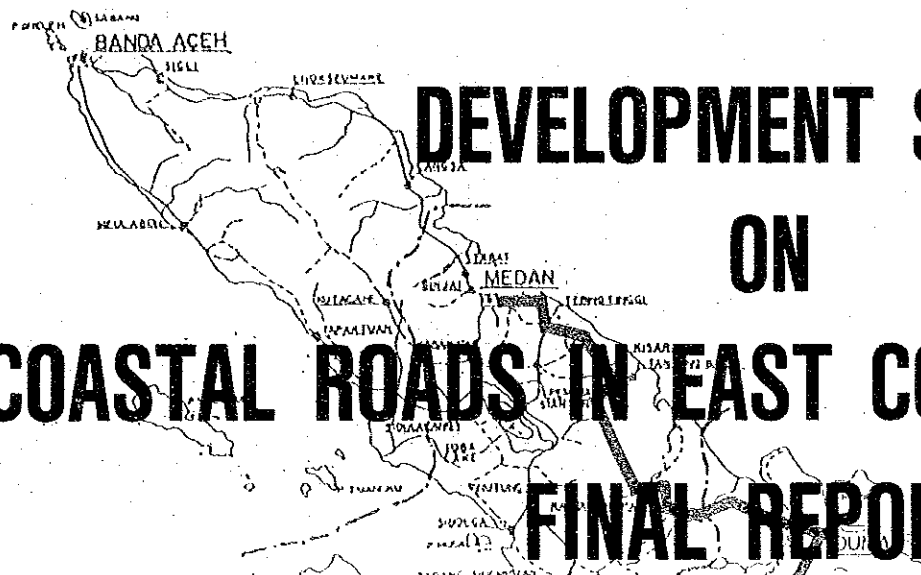


THE REPUBLIC OF INDONESIA
DIRECTORATE GENERAL OF HIGHWAYS
MINISTRY OF PUBLIC WORKS



**DEVELOPMENT STUDY
ON
COASTAL ROADS IN EAST COAST OF SUMATRA
FINAL REPORT**


DRAWINGS

DECEMBER 1982

JAPAN INTERNATIONAL COOPERATION AGENCY

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PRELIMINARY FEASIBILITY STUDY

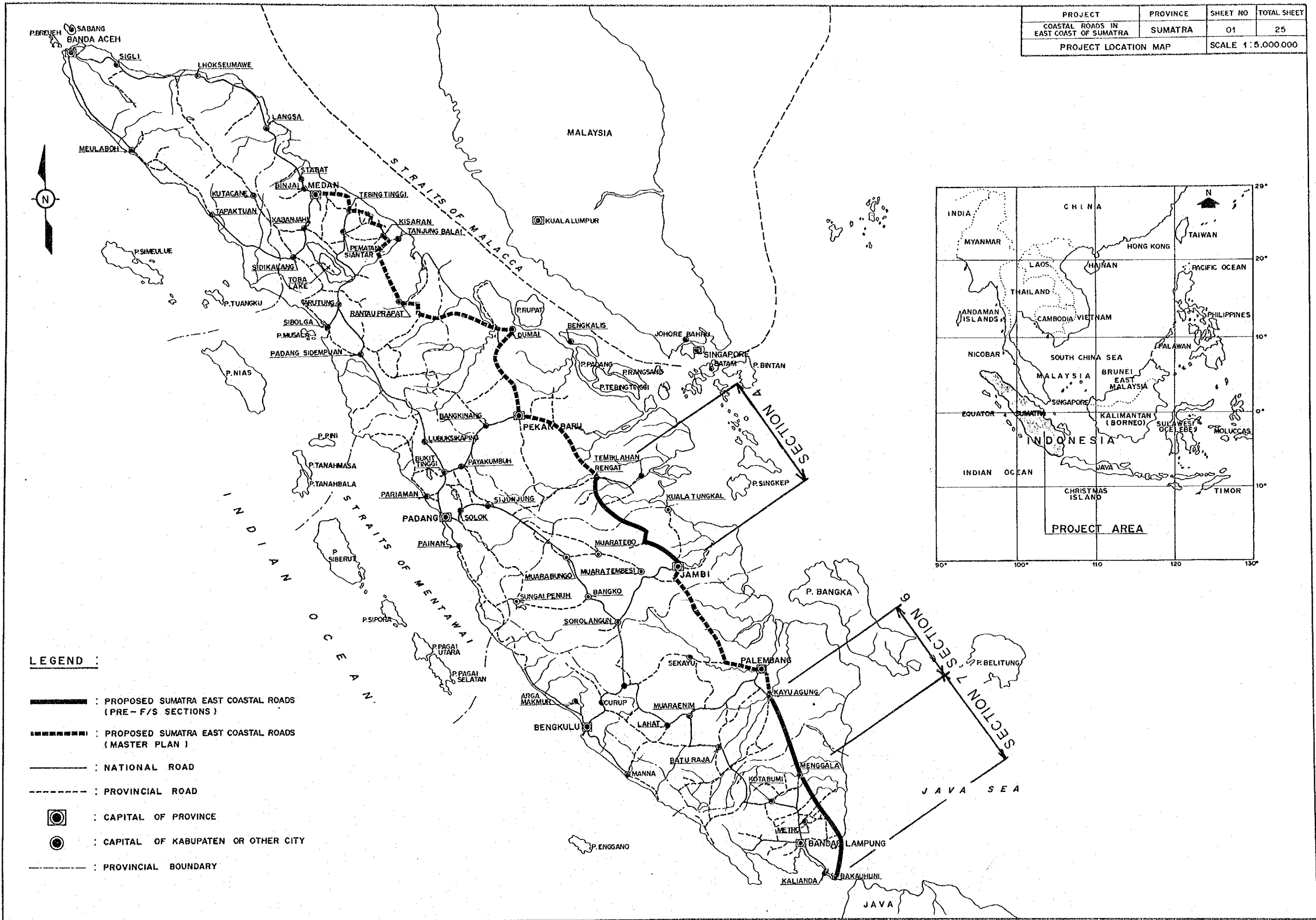
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ROUTE LOCATION MAP	C1
PLAN AND PROFILE	C2 TO C7

PROJECT	PROVINCE	SHEET NO	TOTAL SHEET
COASTAL ROADS IN EAST COAST OF SUMATRA	SUMATRA	01	25
PROJECT LOCATION MAP		SCALE 1:5,000,000	



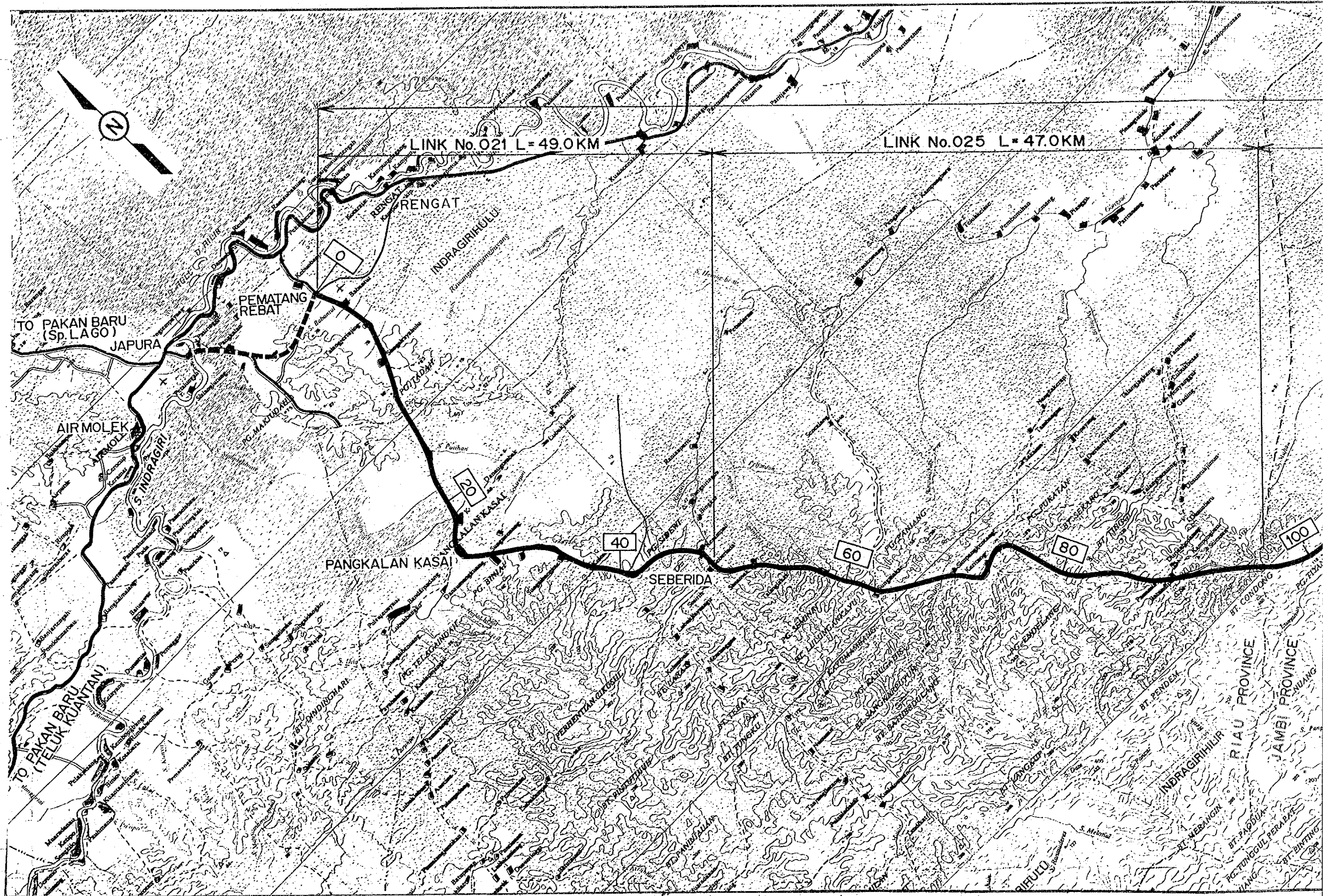
LEGEND :

-  : PROPOSED SUMATRA EAST COASTAL ROADS (PRE-F/S SECTIONS)
-  : PROPOSED SUMATRA EAST COASTAL ROADS (MASTER PLAN)
-  : NATIONAL ROAD
-  : PROVINCIAL ROAD
-  : CAPITAL OF PROVINCE
-  : CAPITAL OF KABUPATEN OR OTHER CITY
-  : PROVINCIAL BOUNDARY

PROJECT	PROVINCE	SHEET NO	TOTAL SHEET
COASTAL ROADS IN EAST COAST OF SUMATRA	SUMATRA	02	25

LEGEND

	Proposed Sumatra East Coastal Roads (Pre - F/S Sections)		Paved Road		Rest House		Clove
	Proposed Sumatra East Coastal Roads (Master Plan)		Non Paved Road		Mosque		Rubber
N . A	National Arterial Road		Track		Church		Coffee
N . C	National Collector Road		Road on Embankment		Castle		Pepper
P . C	Provincial Collector Road		Road on Cutting		Moslem Graves		Tea
N . S	Non Status Road		Iron Bridge		Christian Cemeteries	+++++	Province Boundary
HRS	Hot Rolled Sheet		Concrete Bridge		Chinese Graves	-+--+	Kabupaten Boundary
A . C	Asphalt Concrete		Wooden Bridge		Balinese Graves	-----	Kecamatan Boundary
BUTAS	Buton Asphalt (Natural Asphalt)		Pipe Culvert		Rice Field	+++--+	Kotapraja Boundary
DBST	Double Bituminous Surface Treatment		Single Railway		Dry Field (Regulated Plant)		Primary Triangulation Point With Its Number And Elevation
GRAVEL*	Mostly Earth Road at present		Air Port		Forest		Elevation
DBST (AC)	Figures in brackets indicate the final Surface type of the on - going road Rehabilitation project		Sea Port		Bush		Contour Line
0.5+4.5+0.5 = 5.5M (1.0+4.5+1.0 = 6.5M)	Figures in brackets indicate the final Cross section of the on - going road Rehabilitation project		Sand Bank		Tree		
	Bridge		Reef		Grass		
W O	Wooden Bridge		River		Coarse Grass		
STONE	Stone Bridge		Flow Direction		Sugar Cane		
R C	Reinforced Concrete Bridge		Lake		Resin		
P C	Prestressed Concrete Bridge		Dike		Mangrove		
S G	Steel Girder Bridge		Flow Direction		Swamp Palm		
S T	Steel Truss Bridge		Swamp		Casuarina		
BOX	Box Bridge		Government Office		Bamboo		
			Urban Building		Teak		
			Village		Sago Palm		
			Village (Dispersed House)		Coconut		
			Market		Oil Palm		



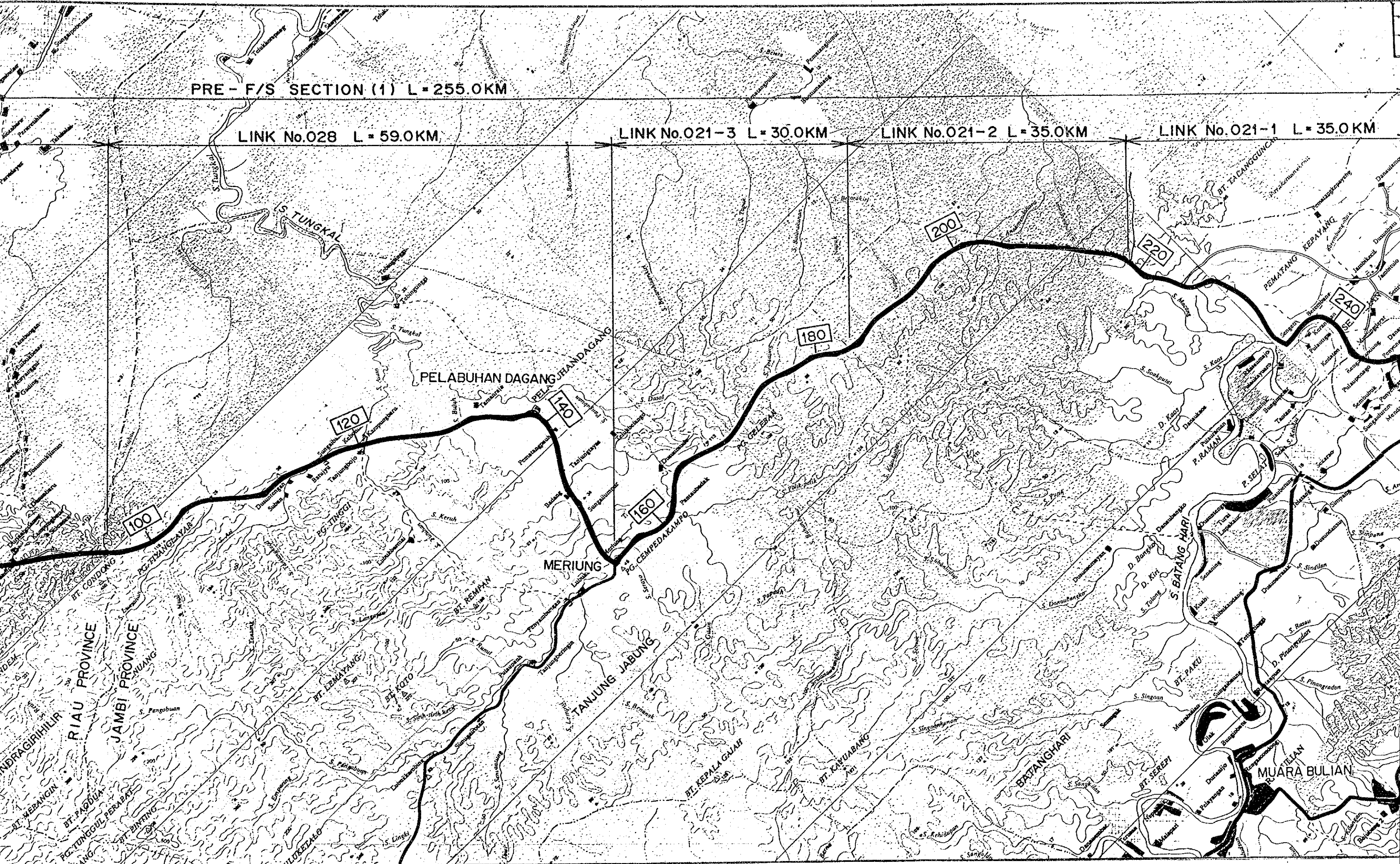
PRE - F/S SECTION (1) L = 255.0KM

LINK No.028 L = 59.0KM

LINK No.021-3 L = 30.0KM

LINK No.021-2 L = 35.0KM

LINK No.021-1 L = 35.0KM



PELABUHAN DAGANG

MERIUNG

TANJUNG JABUNG

MUARA BULIAN

RIAU PROVINCE

JAMBI PROVINCE

BATANGHARI

MUARA BULIAN

255.0KM

PROJECT	PROVINCE	SHEET NO	TOTAL SHEET
COASTAL ROAD IN EAST COAST OF SUMATRA	RIAU/JAMBI	03	25
PRE-F/S SECTION 1		SCALE 1 : 250.000	
ROUTE LOCATION MAP			

LINK No.021-3 L = 30.0KM

LINK No.021-2 L = 35.0KM

LINK No.021-1 L = 35.0KM

ABUHAN DAGANG

140

180

200

220

240

JAMBI

MERIUNG

160

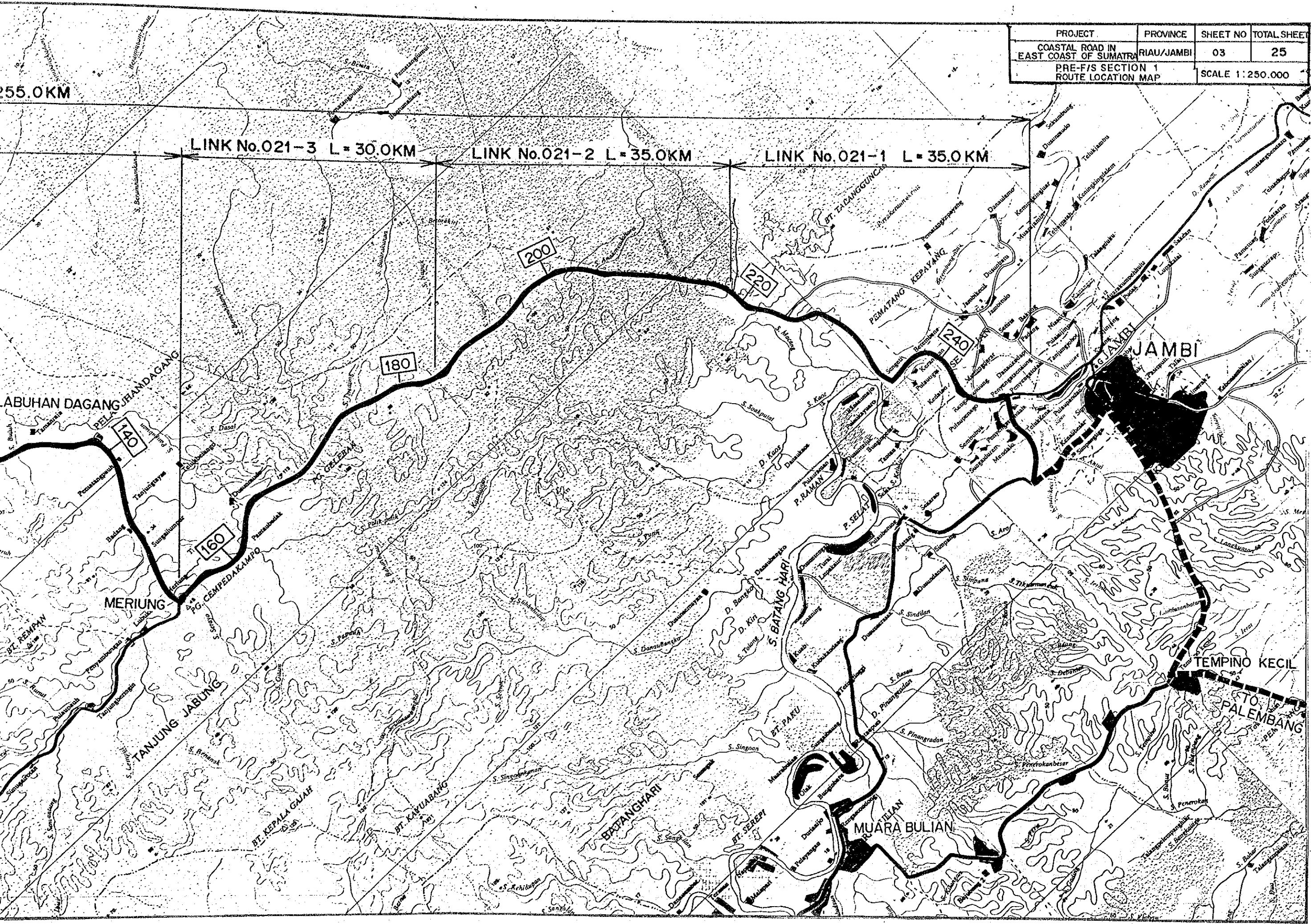
TANJUNG JABUNG

BETANGHARI

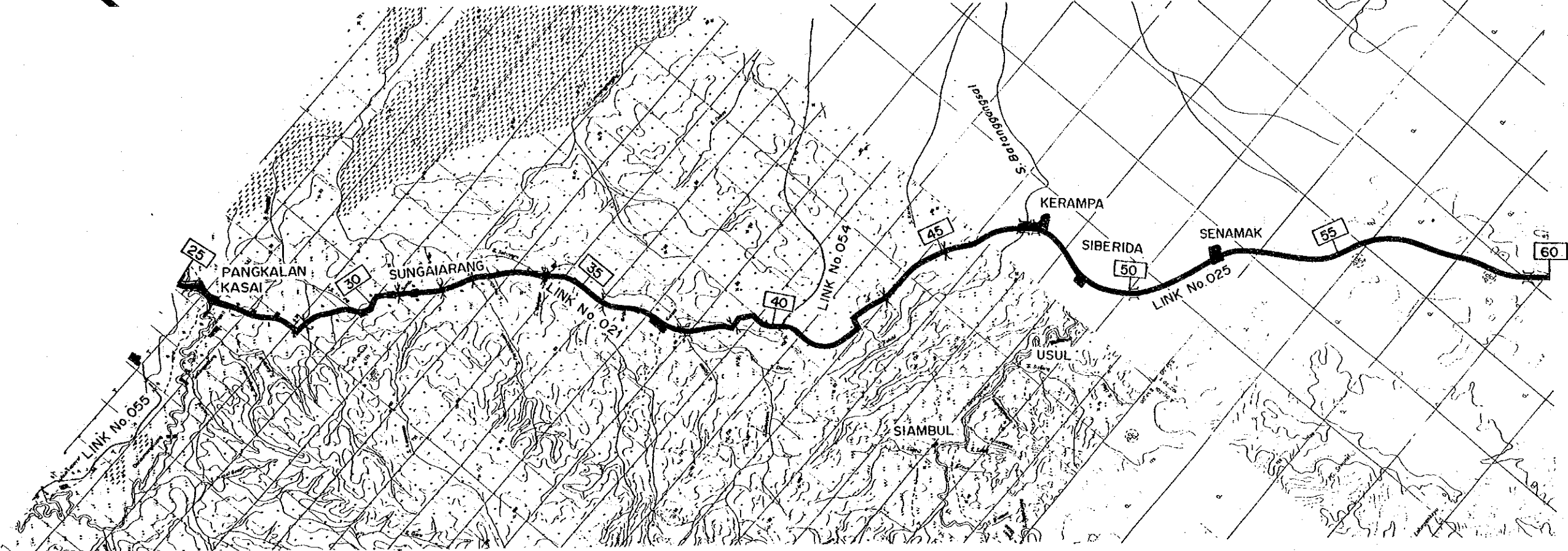
MUARA BULIAN

TEMPINO KECIL

TO PALEMBANG

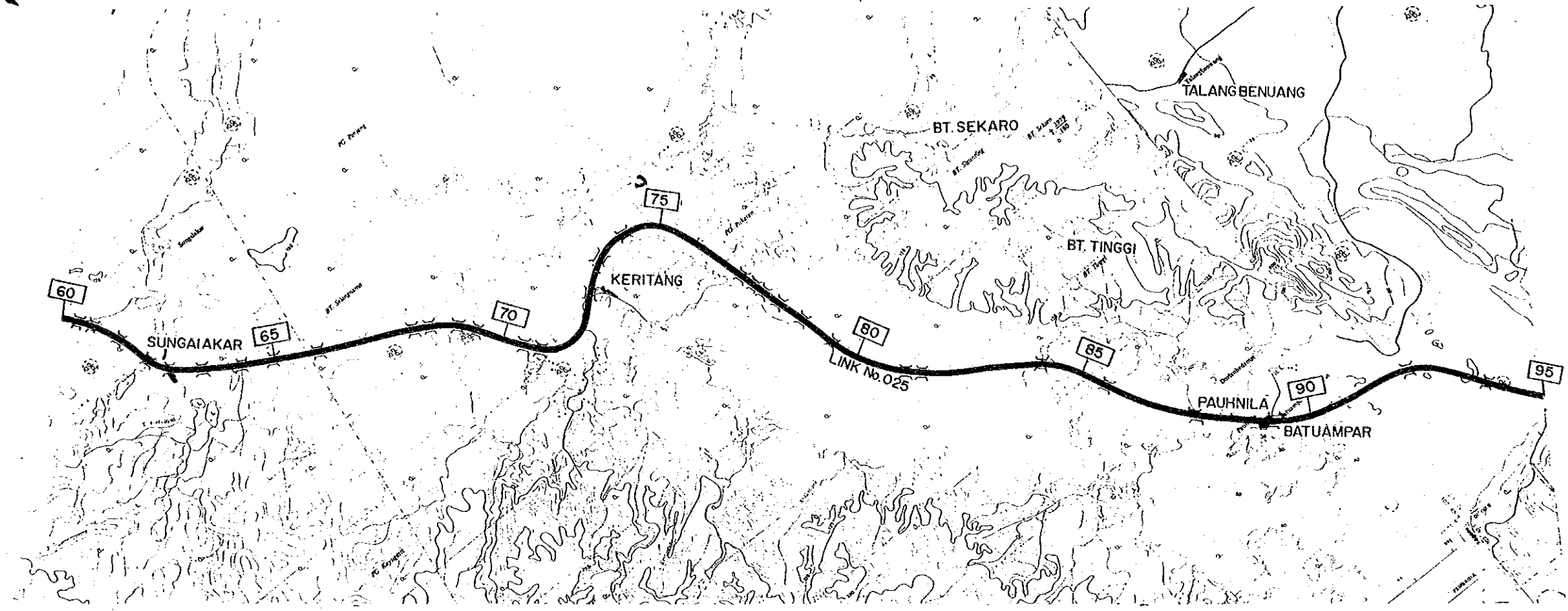
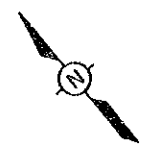


PROJECT	PROVINCE	SHEET NO	TOTAL SHEET
COASTAL ROADS IN EAST COAST OF SUMATRA	RIAU	05	25
ROUTE ALIGNMENT AND PROFILE		SCALE 1:100,000	



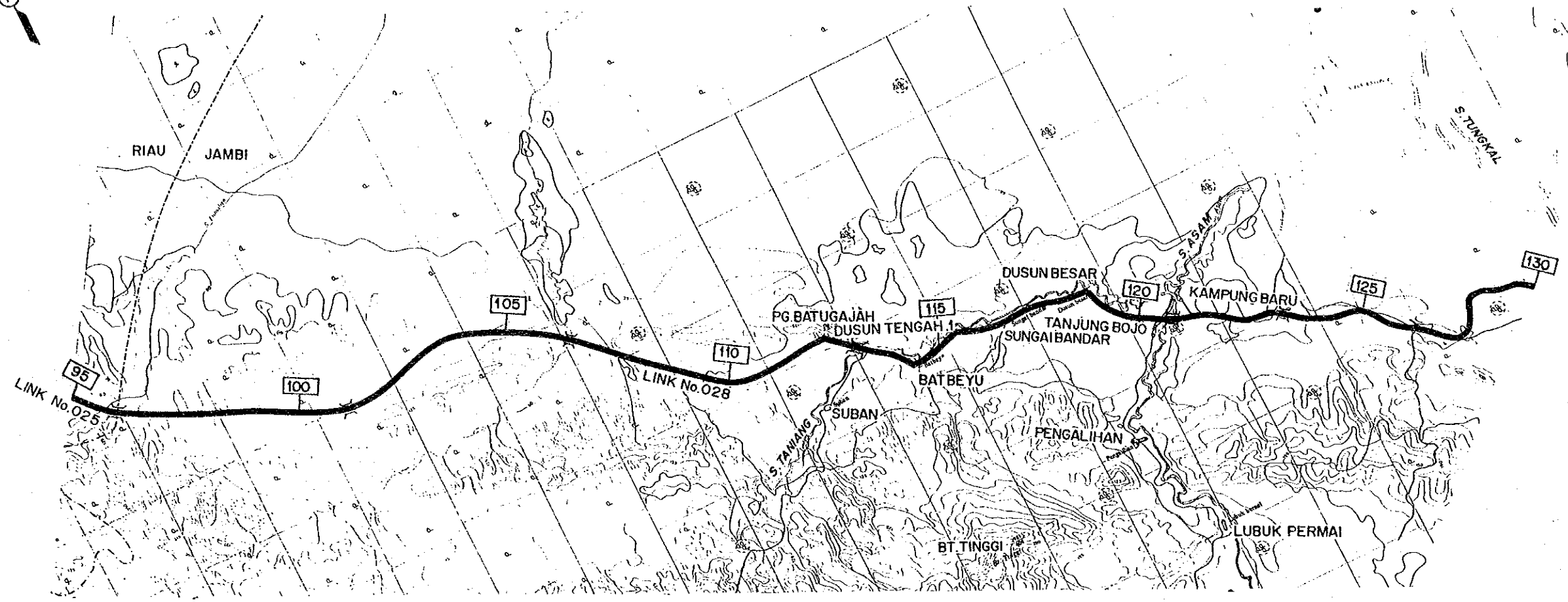
STATION (Km)		25	30	35	40	45	50	55	60	
ROAD STATUS & LINK NO.		N.C. No.021						N.C. No.025		
LAND USE		RESIDENTIAL DISTRICT	PLANTATION (INCLUDING RESIDENTIAL DISTRICT)			FOREST		PLANTATION (INCLUDING RESIDENTIAL DISTRICT)	FOREST	
TERRAIN		ROLLING						ROLLING		
CROSS SECTION		0.5+4.5+0.5=5.5M (1.0+4.5+1.0=6.5M)	0.5+4.5+0.5=5.5M (1.0+4.5+1.0=6.5M)				0+8.0+0=8.0M (1.0+4.5+1.0=6.5M)			
SURFACE		DBST (HRS)	GRAVEL* (AC)				GRAVEL* (AC)			
IRI			9.5				12.3			
BRIDGE TYPE		ST 6.0 x 5.50	RC 6.0 x 18.0				ST 5.0 x 4.50 BOX 10.0 x 4.0	RC 6.0 x 18.9		BOX 10.0 x 4.0
CROSS SECTION		2.0+7.0+2.0=11.0M	2.0+7.0+2.0=11.0M				2.0+7.0+2.0=11.0M			
TYPE OF IMPROVE		UPGRADING (N.A)	UPGRADING (N.A)				UPGRADING (N.A)			
BRIDGE TYPE										
WIDTH										
LENGTH(m)										

PROJECT	PROVINCE	SHEET NO	TOTAL SHEET
COASTAL ROADS IN EAST COAST OF SUMATRA	RIAU	06	25
ROUTE ALIGNMENT AND PROFILE		SCALE 1 : 100,000	



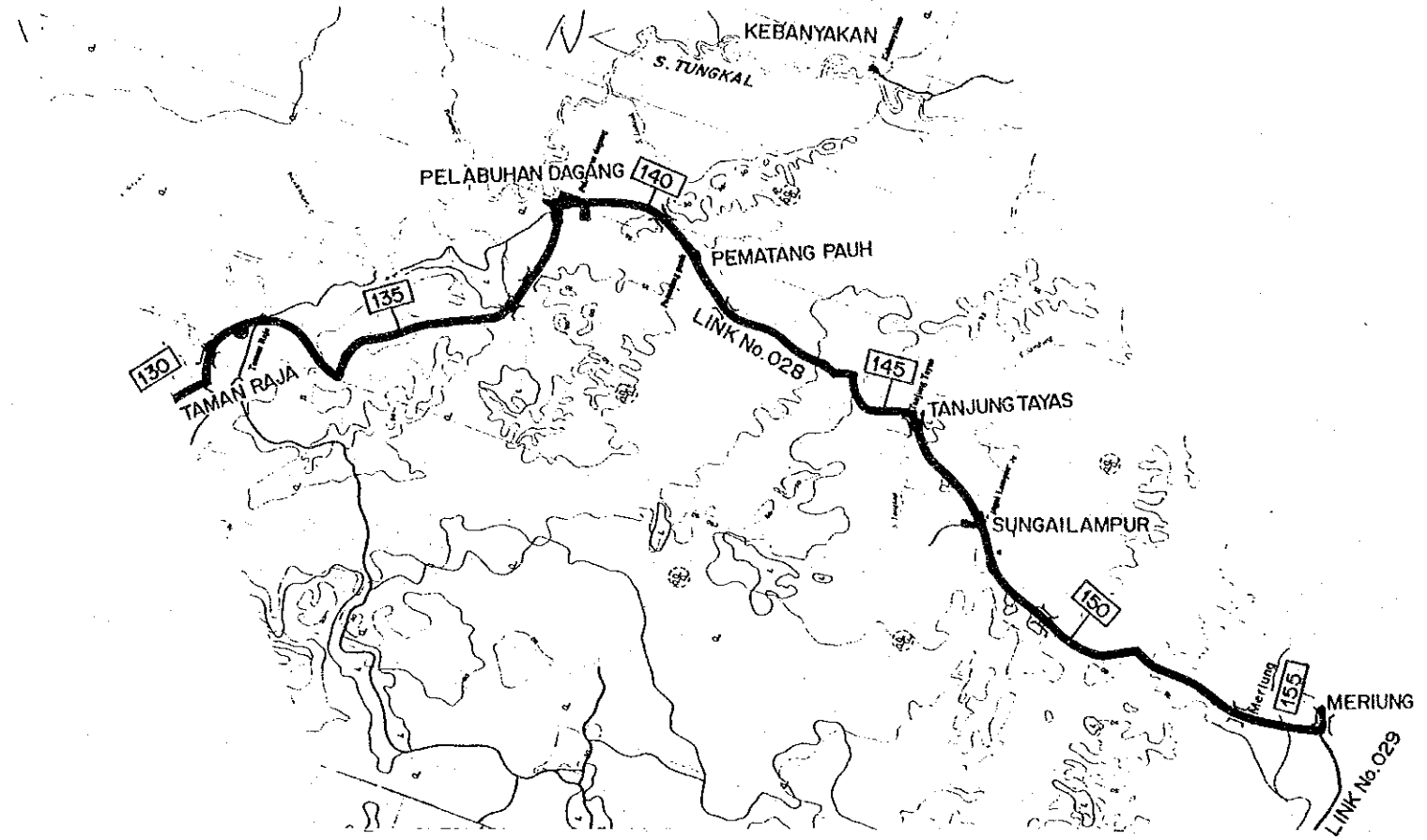
STATION (Km)	60	65	70	75	80	85	90	95
ROAD STATUS & LINK NO.	N.C. No.025							
LAND USE	FOREST	RESIDENTIAL DISTRICT	FOREST	RESIDENTIAL DISTRICT	FOREST	RESIDENTIAL DISTRICT	FOREST	FOREST
TERRAIN	ROLLING				MOUNTAIN			
EXISTING CONDITIONS	CROSS SECTION 0+8.0+0+8.0M (1.0+4.5+1.0+6.5M)							
	SURFACE GRAVEL (AC/HRS)							
	IRI 12.3							
BRIDGE TYPE	ST 6.0 x 4.0							
	BOX 10.0 x 4.0							
WIDTH	RC 6.0 x 12.0							
	BOX 9.0 x 4.0							
LENGTH(m)	RC 6.0 x 10.0							
	ST 6.0 x 6.0							
CROSS SECTION	BOX 6.0 x 8.0							
	RC 6.0 x 18.0							
TYPE OF IMPROVE	RC 6.0 x 10.0							
	BOX 6.0 x 8.0							
BRIDGE TYPE	RC 6.0 x 15.0							
	BOX 6.0 x 8.0							
WIDTH	BOX 6.0 x 8.0							
	SG 6.0 x 30.0							
LENGTH(m)	BOX 6.0 x 8.0							
	BOX 6.0 x 8.0							
CROSS SECTION	BOX 6.0 x 8.0							
	SG 6.0 x 30.0							
TYPE OF IMPROVE	RC 6.0 x 10.0							
	BOX 7.0 x 7.0							
BRIDGE TYPE	BOX 7.0 x 7.0							
	BOX 7.0 x 6.4							
WIDTH	RC 7.0 x 15.0							
	BOX 7.0 x 6.4							
LENGTH(m)	BOX 7.0 x 6.2							
	RC 6.0 x 12.0							
CROSS SECTION	RC 6.0 x 25.0							
	ST 6.0 x 6.0							
TYPE OF IMPROVE	BOX 6.0 x 3.5							
	RC 6.0 x 25.0							
BRIDGE TYPE	RC 6.0 x 25.0							
	RC 6.0 x 25.0							
WIDTH	RC 6.0 x 25.0							
	RC 6.0 x 25.0							
LENGTH(m)	RC 6.0 x 25.0							
	RC 6.0 x 25.0							

PROJECT	PROVINCE	SHEET NO	TOTAL SHEET
COASTAL ROADS IN EAST COAST OF SUMATRA	RIAU JAMBI	07	25
ROUTE ALIGNMENT AND PROFILE		SCALE 1 : 100.000	



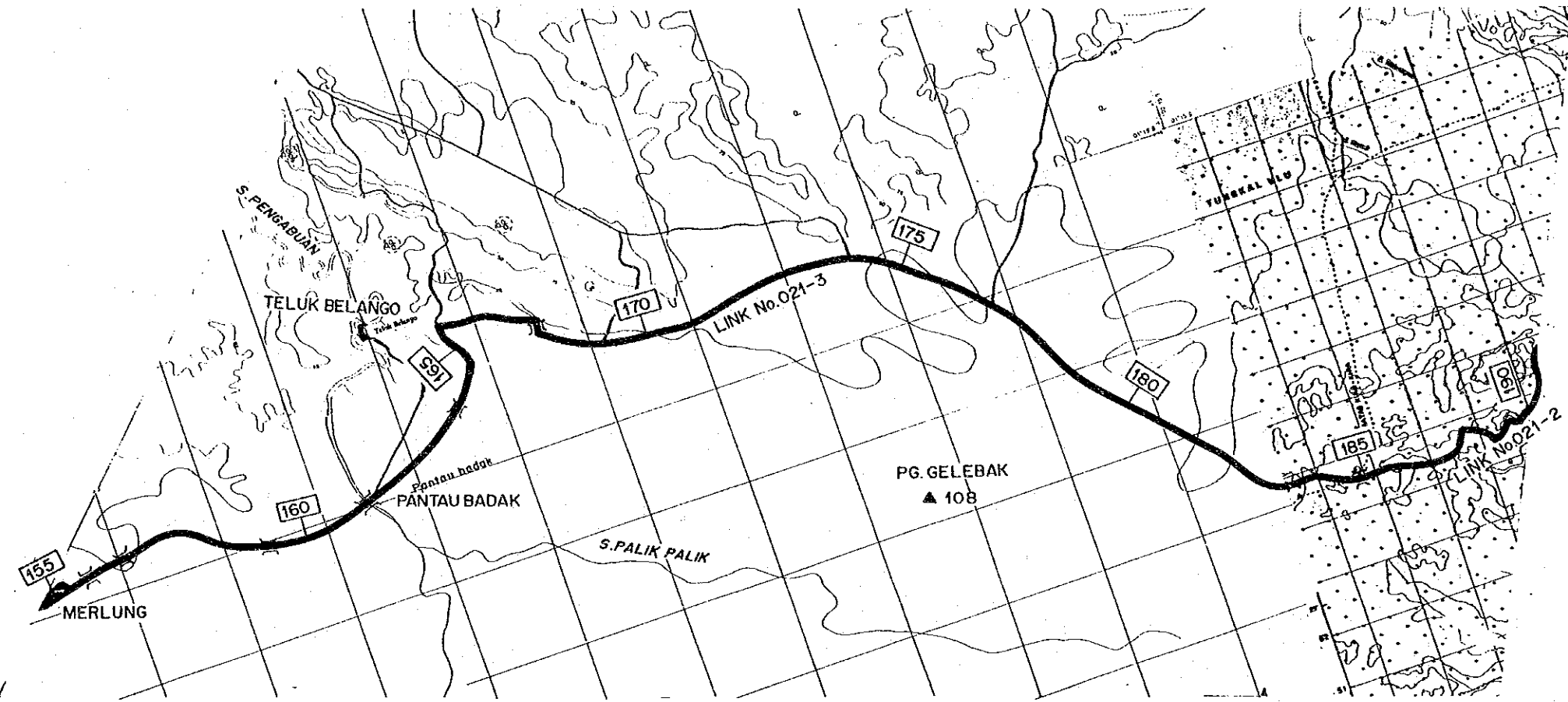
STATION (Km)	95	100	105	110	115	120	125	130
ROAD STATUS & LINK NO.	N.C No.025		N.C. No.028					
LAND USE	FOREST			PLANTATION (INCLUDING RESIDENTIAL DISTRICT)			FOREST	
TERRAIN	MOUNTAIN			ROLLING				
EXISTING CONDITIONS	CROSS SECTION	0+8.0+0-8.0M (10+4.5+10=6.5M)			0+7.0+0-7.0M			0+7.0+0-7.0M (1.5+4.5+1.5=7.5 M)
	SURFACE	GRAVEL (HRS)			GRAVEL*			GRAVEL* (AC)
	IRI	12.3			13.0			
BRIDGE	TYPE	RC 70 x 16.0			ST 70 x 30.0			ST 50 x 30.0
	WIDTH LENGTH(m)	BOX 6.0 x 3.0			ST 4.5 x 19.7			WO 4.5 x 10.0
PROPOSED CONDITIONS	CROSS SECTION	2.0+7.0+2.0 =11.0M			20+7.0+2.0 = 11.0M			
	TYPE OF IMPROVE				UPGRADING (NA)			
	BRIDGE	DUPLICATION RC 4.5 x 19.7			DUPLICATION RC 4.5 x 30.0			REPLACEMENT RC 7.0 x 10.0

PROJECT	PROVINCE	SHEET NO	TOTAL SHEET
COASTAL ROADS IN EAST COAST OF SUMATRA	JAMBI	08	25
ROUTE ALIGNMENT AND PROFILE		SCALE 1:100.000	



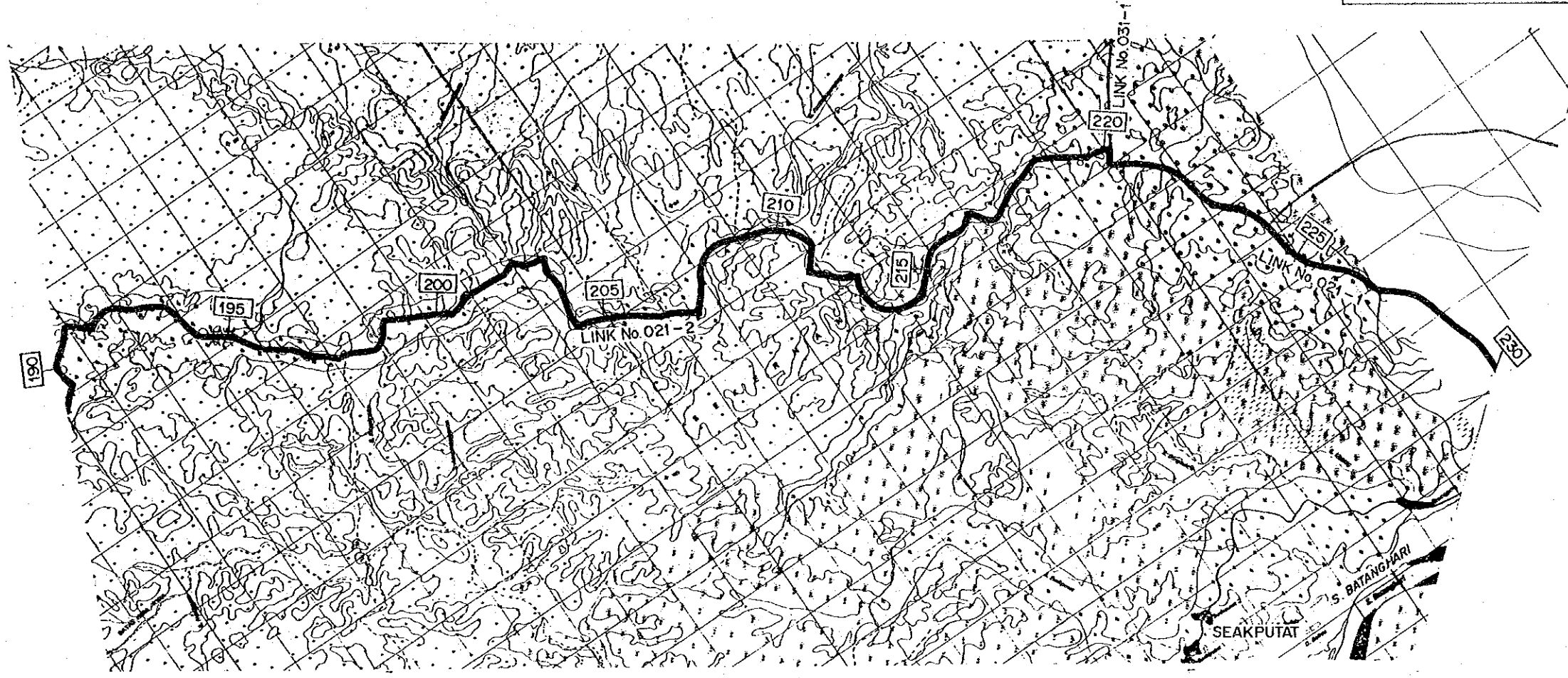
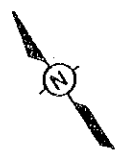
STATION (Km)	130	135	140	145	150	155
ROAD STATUS & LINK NO.	N.C. No. 028					
LAND USE	FOREST (INCLUDING RESIDENTIAL DISTRICT)			PLANTATION (INCLUDING RESIDENTIAL DISTRICT)		
TERRAIN	ROLLING					
EXISTING CONDITIONS	CROSS SECTION	0. + 7.0 + 0 = 7.0M (1.5 + 4.5 + 1.5 = 7.5M)				1.0 + 6.0 + 1.0 = 8.0M
	SURFACE	GRAVEL (AC)				AC
	IRI	13.0				
PROPOSED CONDITIONS	BRIDGE TYPE	RC 5.0 x 12.0	RC 5.0 x 12.0 BOX 7.0 x 6.3	BOX 7.0 x 6.3	RC 7.0 x 9.6	RC 4.5 x 25.0
	WIDTH					
	LENGTH(m)					
CROSS SECTION	2.0 + 7.0 + 2.0 = 11.0M		2.0 + 7.0 + 2.0 = 11.0M			2.0 + 7.0 + 2.0 = 11.0M
TYPE OF IMPROVE	UPGRADING (N.A)		UPGRADING (N.A)			UPGRADING (N.A)
BRIDGE TYPE						
WIDTH						
LENGTH(m)	DUPLICATION RC 4.5 x 12.0 DUPLICATION RC 4.5 x 12.0 DUPLICATION SG 4.5 x 25.0					

PROJECT	PROVINCE	SHEET NO	TOTAL SHEET
COASTAL ROADS IN EAST COAST OF SUMATRA	JAMBI	09	25
ROUTE ALIGNMENT AND PROFILE		SCALE 1 : 100.000	



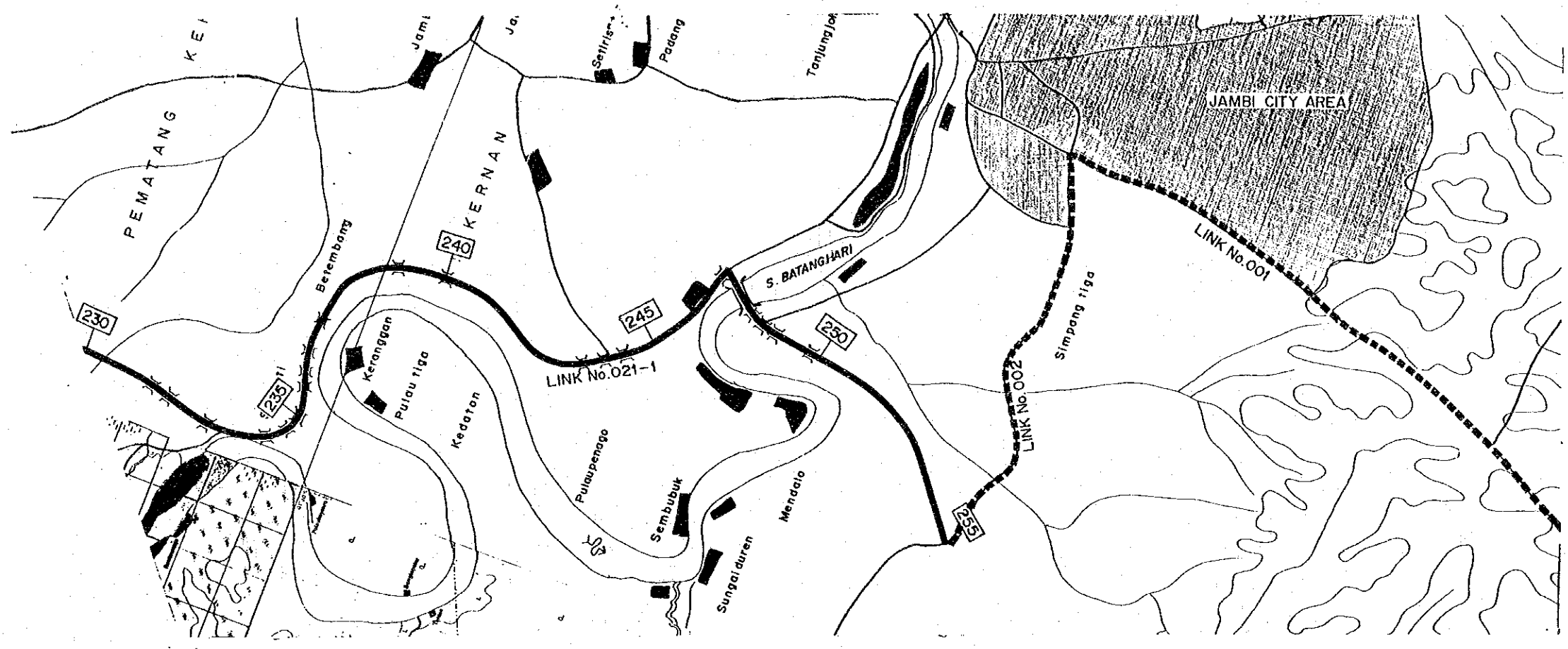
STATION (Km)		155	160	165	170	175	180	185	190
ROAD STATUS & LINK NO.		N.C. No.021-3						N.C. No.021-2	
LAND USE		PLANTATION (INCLUDING RESIDENTIAL DISTRICT)				FOREST			
TERRAIN		ROLLING						ROLLING	
EXISTING CONDITIONS	CROSS SECTION	0+7.0+0=7.0M(1.5+4.5+1.5=7.5M)						0+7.0+0=7.0M (1.5+4.5+1.5=7.5M)	
	SURFACE	GRAVEL (AC)						GRAVEL (AC)	
	IRI	14.7						4.7	
	BRIDGE TYPE	RC6.0 x 17.8	BOX 9.0 x 5.0	RC6.0 x 17.8	ST 6.0 x 35.0	BOX 6.0 x 5.0	BOX 7.0 x 6.0	BOX 7.0 x 6.0	BOX 7.0 x 6.2
PROPOSED CONDITIONS	CROSS SECTION	2.0+7.0+2.0=11.0M						2.0+7.0+2.0=11.0M	
	TYPE OF IMPROVE	UPGRADING (NA)						UPGRADING (NA)	
	BRIDGE TYPE								
	WIDTH								
	LENGTH(m)								

PROJECT	PROVINCE	SHEET NO	TOTAL SHEET
COASTAL ROADS IN EAST COAST OF SUMATRA	JAMBI	10	25
ROUTE ALIGNMENT AND PROFILE		SCALE 1:100,000	

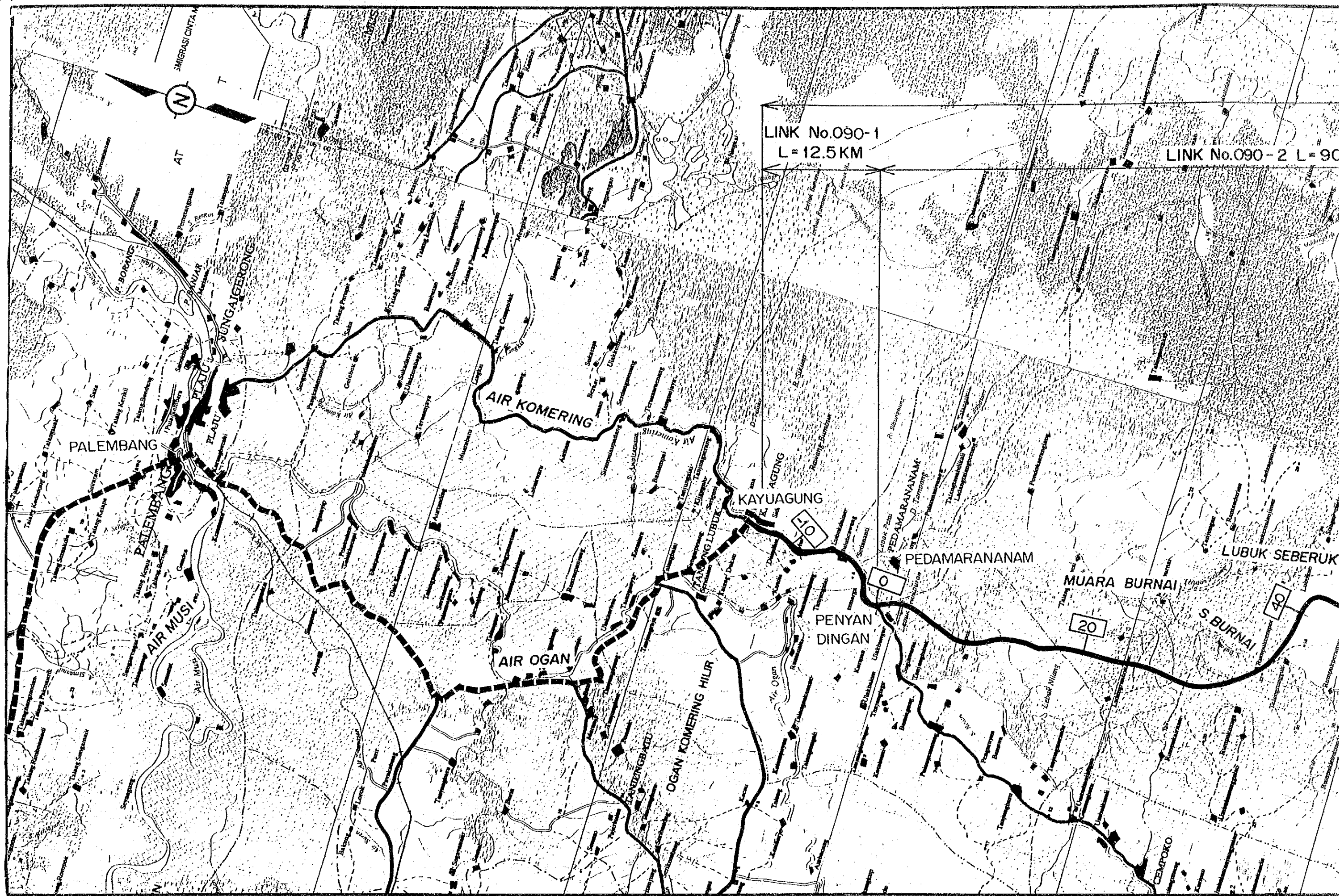


STATION (Km)		190	195	200	205	210	215	220	225	
ROAD STATUS & LINK NO.		N.C. No.021-2							N.C. No.021-1	
LAND USE		PLANTATION								
TERRAIN		ROLLING								
EXISTING CONDITIONS	CROSS SECTION	0+7.0+0=7.0M (1.5+4.5+1.5=7.5M)					0.5+6.0+0.5=7.0M		0+7.0+0=7.0M (1.0+6.0+1.0=8.0M)	
	SURFACE	GRAVEL*(AC)					AC		GRAVEL*(AC)	
	IRI	4.7								
	BRIDGE TYPE	BOX 7.0 x 6.0 RC 6.0 x 17.8						RC 7.0 x 17.8		
PROPOSED CONDITIONS	CROSS SECTION	2.0+7.0+2.0=11.0M					2.0+7.0+2.0=11.0M		2.0+7.0+2.0=11.0M	
	TYPE OF IMPROVE	UPGRADING (N.A)								
	BRIDGE TYPE									
	WIDTH									
	LENGTH(m)									

PROJECT	PROVINCE	SHEET NO	TOTAL SHEET
COASTAL ROADS IN EAST COAST OF SUMATRA	JAMBI	11	25
ROUTE ALIGNMENT AND PROFILE		SCALE 1 : 100.000	



STATION (Km)		230	235	240	245	250	255
ROAD STATUS & LINK NO.		N.C. No.021-1					
LAND USE		PLANTATION (INCLUDING RESIDENTIAL DISTRICT)			SWAMP (INCLUDING RIVER)	FOREST	
TERRAIN		FLAT					
EXISTING CONDITIONS	CROSS SECTION	10 + 6.0 + 1.0 = 8.0 M					
	SURFACE	AC					
	IRI	3.6					
	BRIDGE TYPE WIDTH LENGTH(m)	BOX 7.0 x 6.4 BOX 7.0 x 4.3 RC 8.0 x 15.0 BOX 7.0 x 4.4 RC 7.0 x 14.0 BOX 6.0 x 5.0 BOX 7.0 x 6.6 BOX 7.0 x 6.6 BOX 7.0 x 6.6 BOX 7.0 x 7.0 BOX 7.0 x 3.3 BOX 7.0 x 7.0 BOX 7.0 x 6.6 BOX 7.0 x 7.9 BOX 7.0 x 6.6 BOX 7.0 x 6.6 ST 6.0 x 508.1 BOX 8.0 x 5.3 RC 8.0 x 9.6 RC 9.0 x 11.3 BOX 8.0 x 6.3					
PROPOSED CONDITIONS	CROSS SECTION	2.0 + 7.0 + 2.0 = 11.0 M					
	TYPE OF IMPROVE	UPGRADING (NA)					
	BRIDGE TYPE WIDTH LENGTH(m)						



LINK No.090-1
L=12.5KM

LINK No.090-2 L=90

PALEMBANG

AIR KOMERING

KAYUAGUNG

PEDAMARANANAM

LUBUK SEBERUK

AIR MUSI

AIR OGAN

PENYANG

MUARA BURNAI

S. BURNAI

OGAN KOMERING HILIR

CEMPOKO