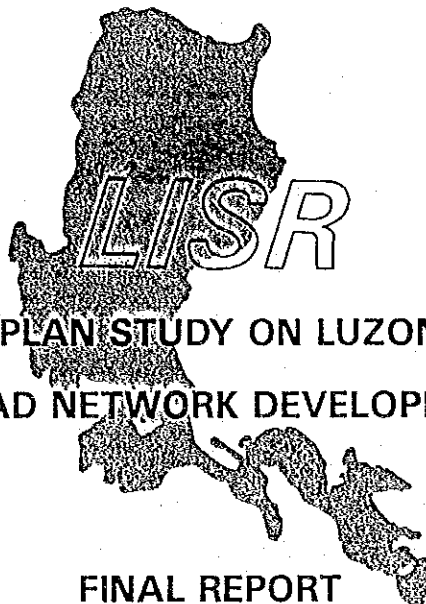


DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REPUBLIC OF THE PHILIPPINES



MASTER PLAN STUDY ON LUZON ISLAND
STRATEGIC ROAD NETWORK DEVELOPMENT PROJECT

FINAL REPORT

MAPS

- EXISTING ROAD CONDITION 1-3
- NETWORK DEVELOPMENT PLAN 1-3
- IMPLEMENTATION SCHEDULE

JULY 1993

KATAHIRA & ENGINEERS INTERNATIONAL
NIPPON KOEI CO., LTD.

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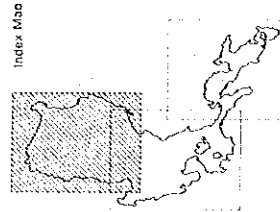


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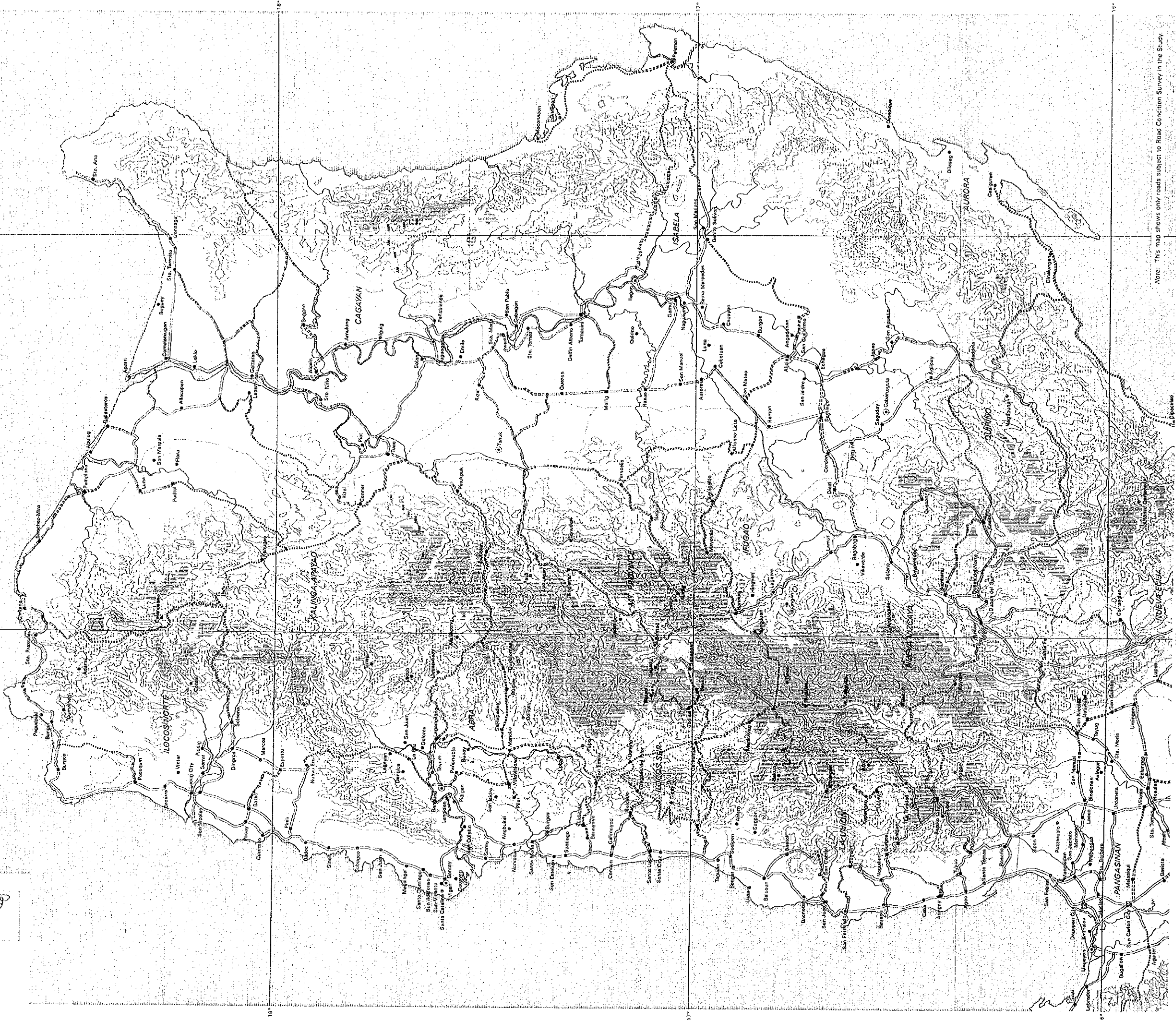
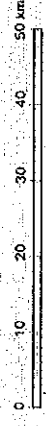
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LEGEND:

EXPRESSWAY	CONDITION	WIDTH
—————	W ≥ 6.0 m	W < 6.0 m
—————	Good/Fair	
—————	Bad/Very Bad	
—————	UNPAVED ROAD	
—————	IMPASSABLE	

- City Capital of Province
- Capital of Province
- City
- Municipality
- Provincial Boundary



Note: This map shows only roads subject to Road Condition Survey in the Study.



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MASTER PLAN STUDY ON LUZON ISLAND STRATEGIC
ROAD NETWORK DEVELOPMENT PROJECT

EXISTING ROAD CONDITION - 1



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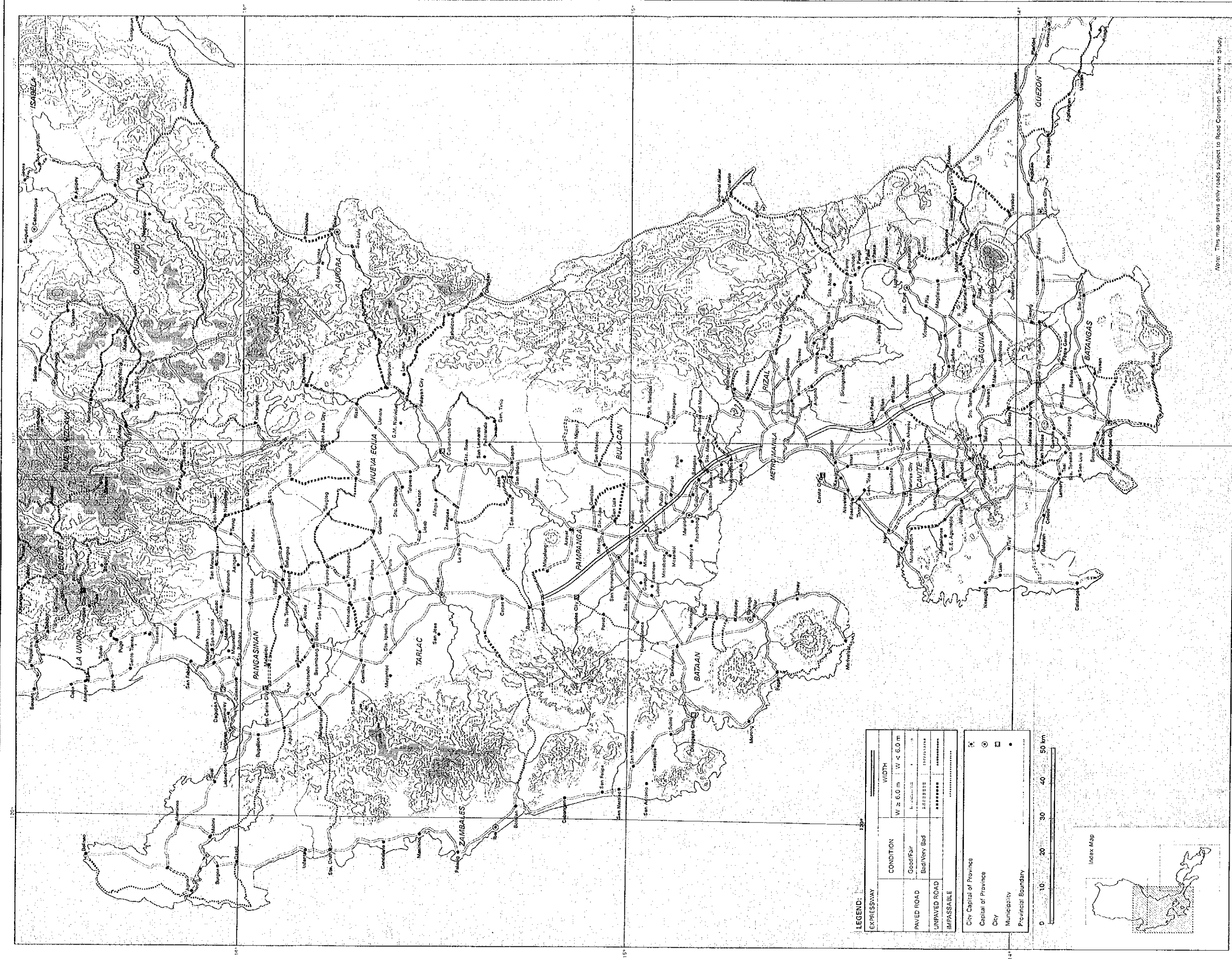


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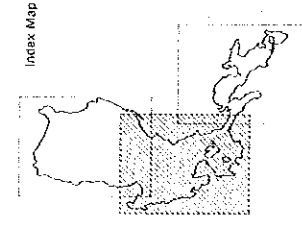
JULY 1993



LEGEND:

EXPRESSWAY	CONDITION	WIDTH
—————	Good/Fair	W ≥ 6.0 m W < 6.0 m
—————	Bad/Very Bad	—————
—————	UNPAVED ROAD	—————
—————	IMPASSABLE	—————

- City Capital of Province
- Capital of Province
- City
- Municipality
- Provincial Boundary



Note: This map shows only roads subject to Road Condition Survey in the Study.



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DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
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MASTER PLAN STUDY ON LUZON ISLAND STRATEGIC ROAD NETWORK DEVELOPMENT PROJECT

EXISTING ROAD CONDITION - 2



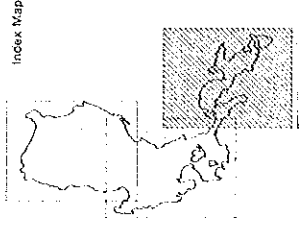
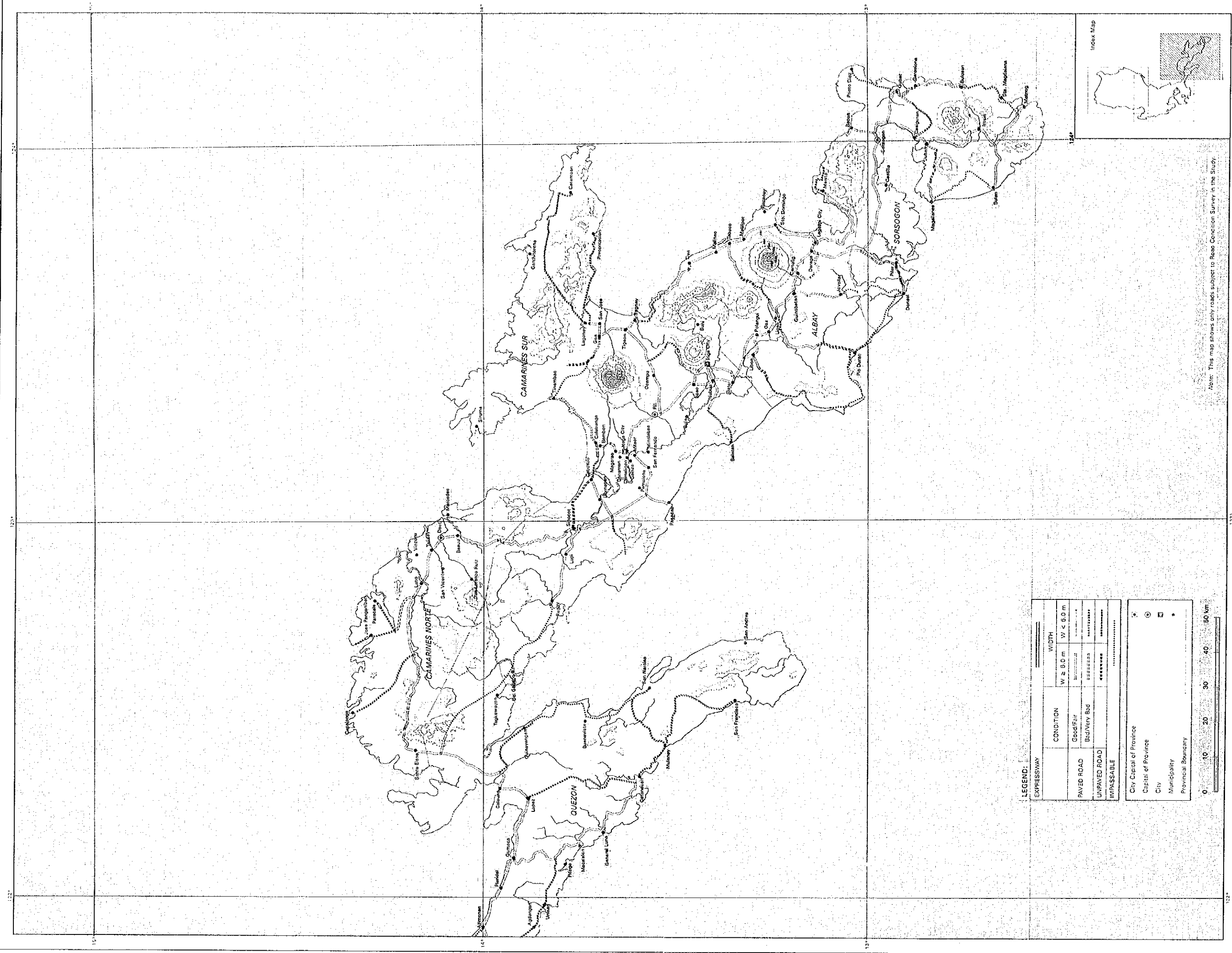
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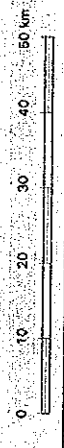
JULY 1993



LEGEND:

ROAD TYPE	CONDITION	WIDTH	
		W ≥ 6.0 m	W < 6.0 m
EXPRESSWAY	Good/Fair	—————	—————
PAVED ROAD	Bad/Very Bad	—————	—————
UNPAVED ROAD		—————	—————
IMPASSABLE		—————	—————

City Capital of Province	●
Capital of Province	⊙
City	⊠
Municipality	•
Provincial Boundary	—————



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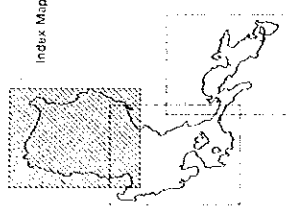
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MASTER PLAN STUDY ON LUZON ISLAND STRATEGIC ROAD NETWORK DEVELOPMENT PROJECT

EXISTING ROAD CONDITION - 3

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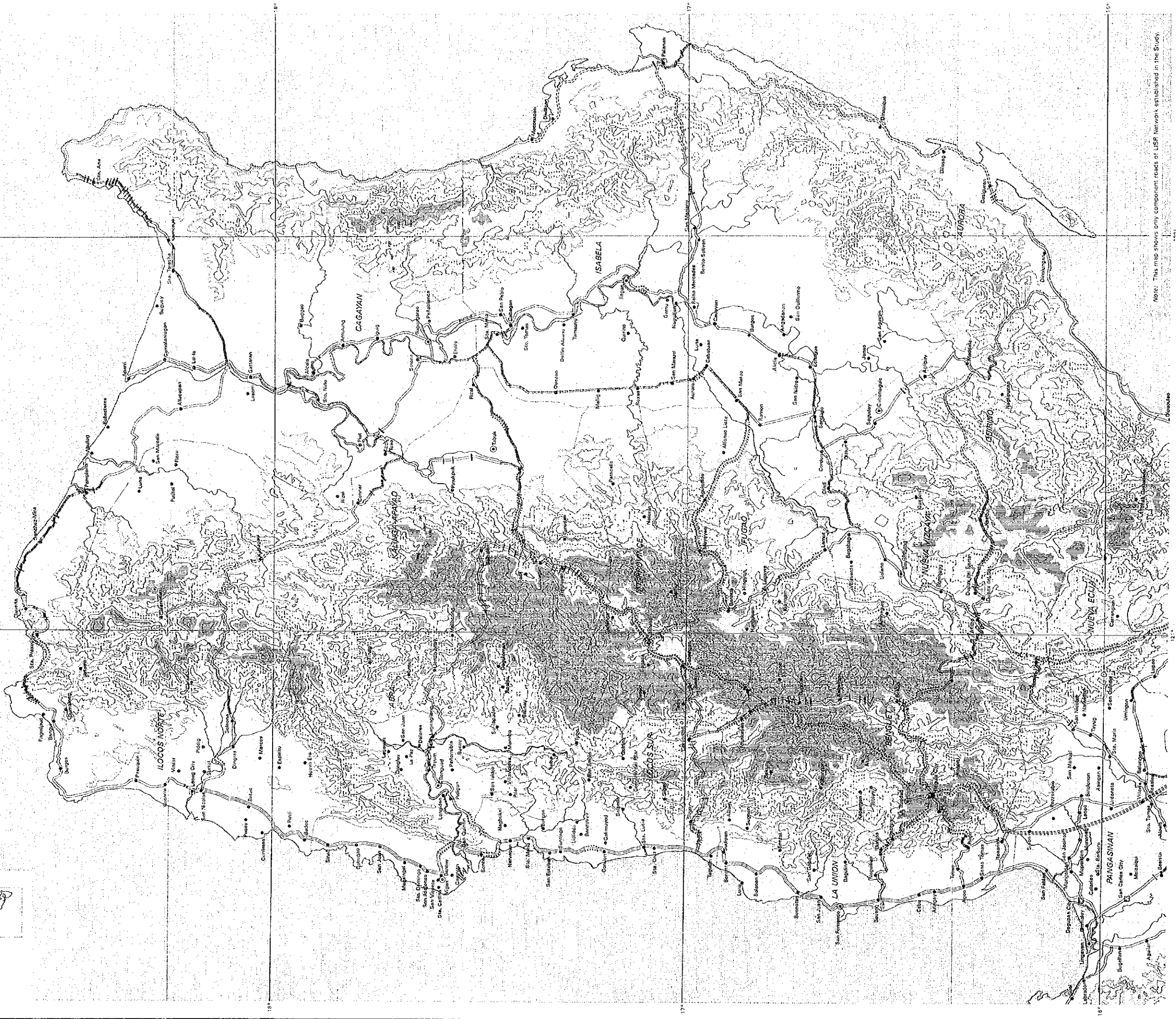
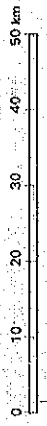
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LEGEND:

4-Lane Expressway	2-Lane Expressway	4-Lane Expressway	2-Lane Expressway	4-Lane Expressway	2-Lane Expressway
4-Lane Road	2-Lane Road	4-Lane Road	2-Lane Road	4-Lane Road	2-Lane Road
Rehabilitation	Expansion	Expansion	Expansion	Expansion	Expansion
Disaster Prevention Work					

- City Capital of Province
- Capital of Province
- City
- Municipality
- ▬ Province Boundary



Note: This map shows only component roads of LISR Network established in the Study.



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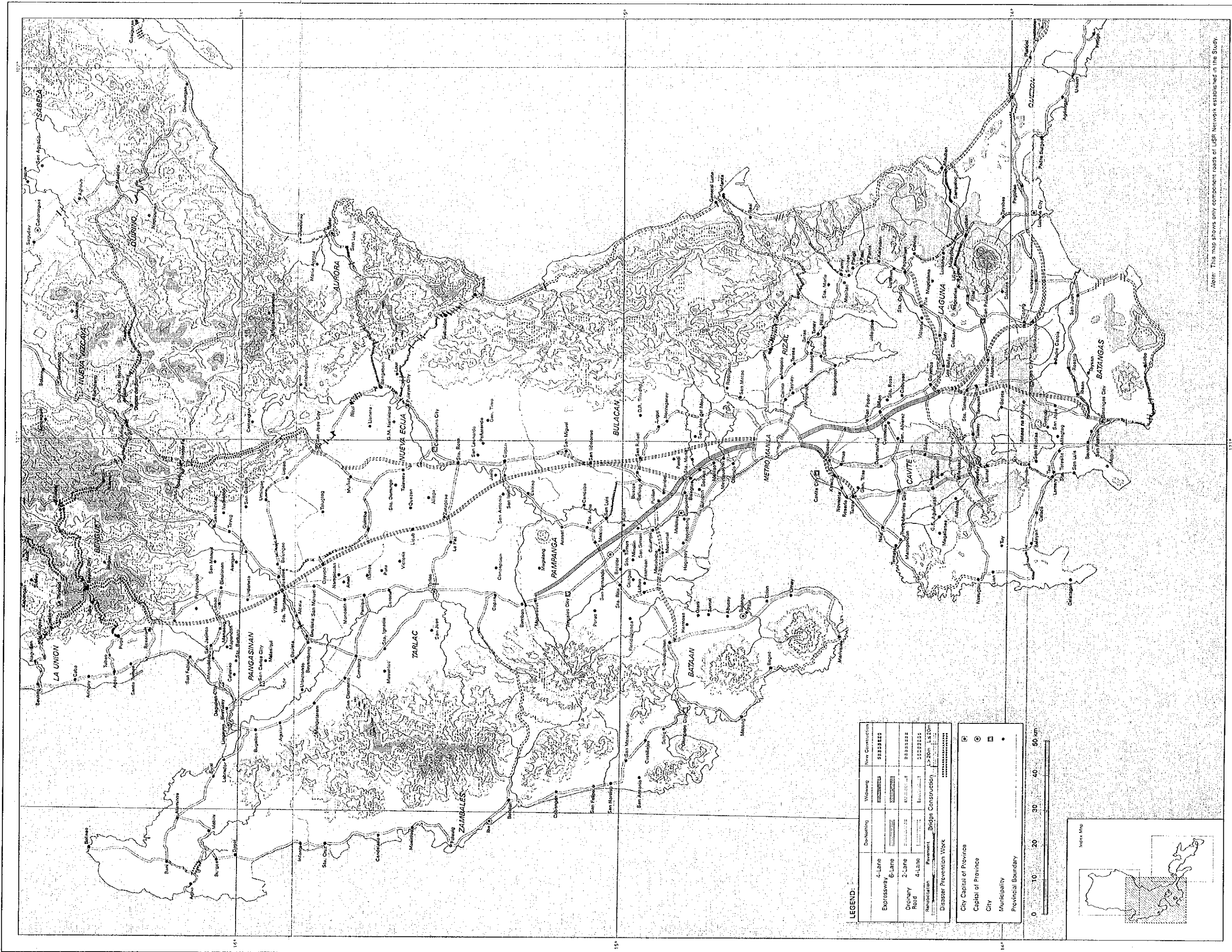
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ROAD NETWORK DEVELOPMENT PROJECT

NETWORK DEVELOPMENT PLAN - 1



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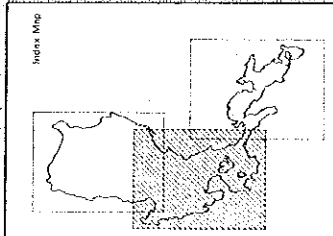


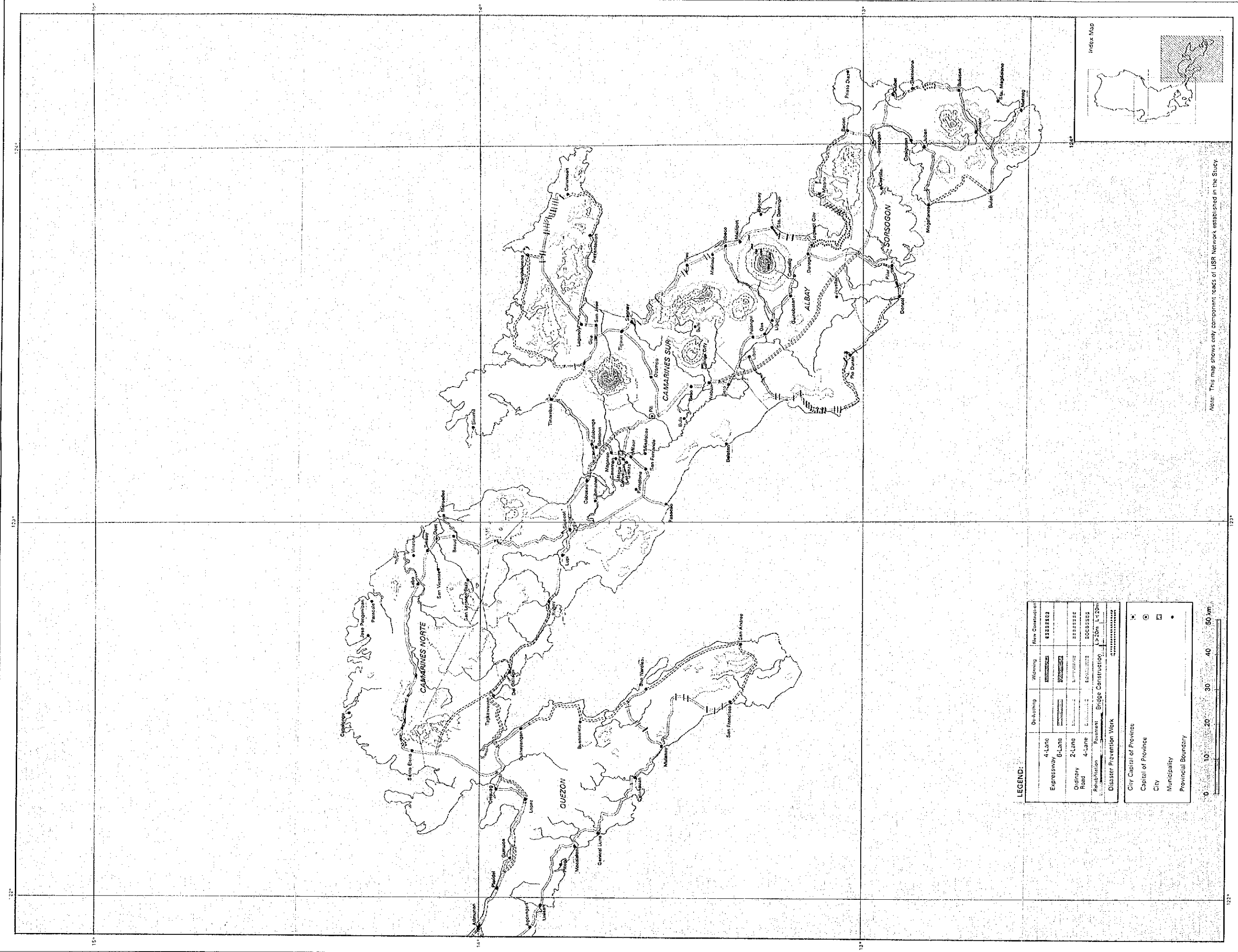
Note: This map shows only component roads of LSR Network established in the Study.

LEGEND:

Expressway	4-Lane	6-Lane	2-Lane	4-Lane	Rehabilitation	Bridges Construction	Disaster Prevention Work
Do-Nothing	Widening	New Construction					
▬▬▬▬▬▬	▬▬▬▬▬▬	▬▬▬▬▬▬	▬▬▬▬▬▬	▬▬▬▬▬▬	▬▬▬▬▬▬	▬▬▬▬▬▬	▬▬▬▬▬▬

City Capital of Province	⊠
Capital of Province	⊙
City	⊠
Municipality	•
Provincial Boundary	—





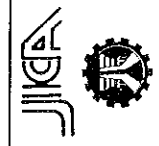
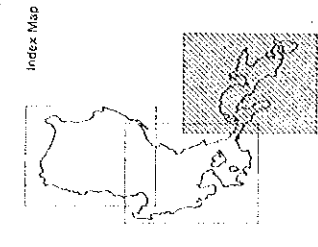
LEGEND:

	De-Nothing	Warning	New Construction
Expressway	4-Lane	6-Lane	2-Lane
Ordinary Road	4-Lane	2-Lane	4-Lane
Rehabilitation	Payment	Bridge Construction	> 20m, 1-120m
Disaster Prevention Work			

City Capital of Province	☐
Capital of Province	●
City	□
Municipality	•
Provincial Boundary	—



Note: This map shows only component roads of LISR Network established in the Study



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ROAD NETWORK DEVELOPMENT PROJECT

NETWORK DEVELOPMENT PLAN - 3

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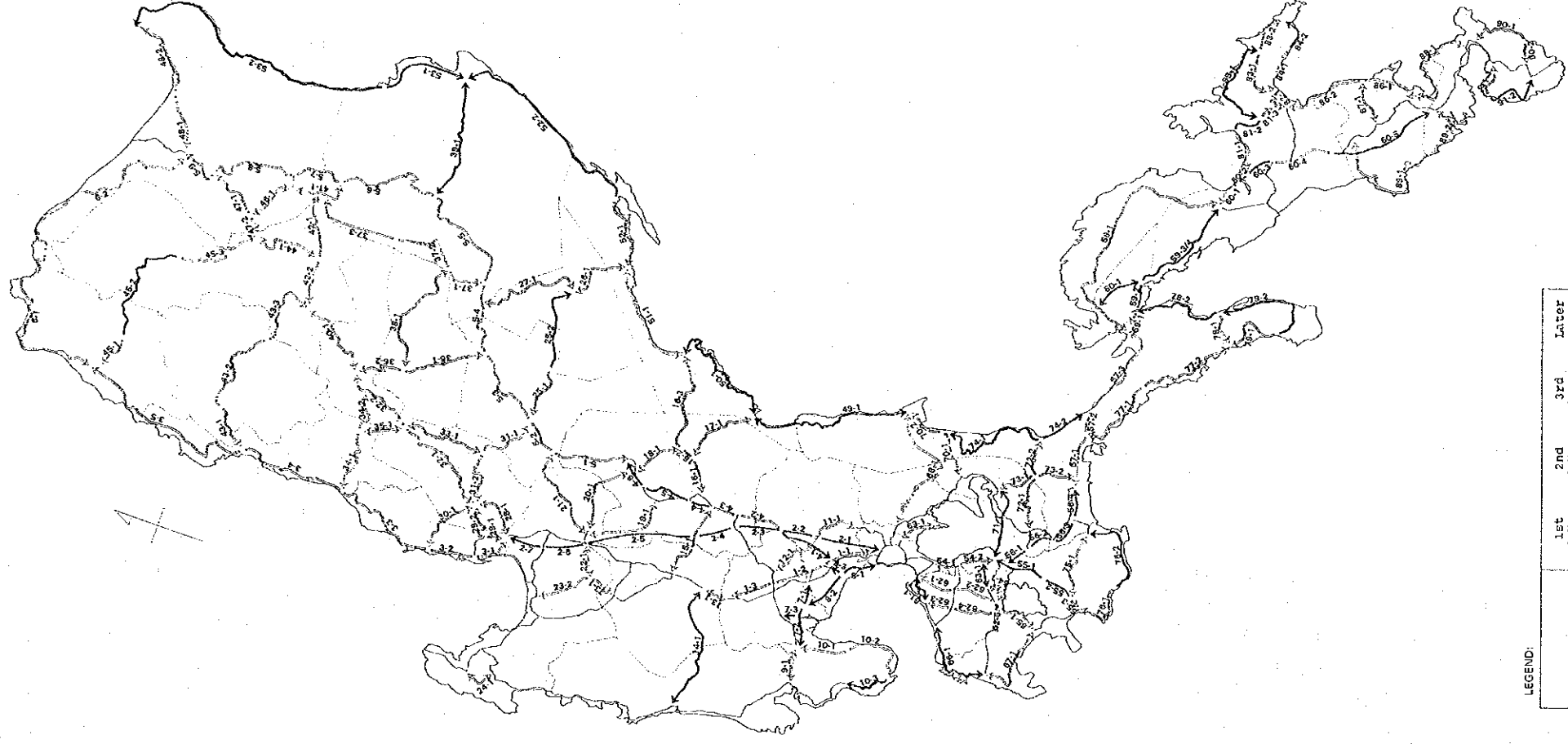


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6/7

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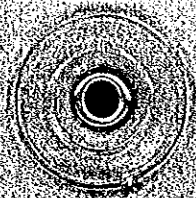
LEGEND:

	1st 6-Year Program	2nd 6-Year Program	3rd 6-Year Program	Inter 6-Year Years
Improvements/ Widening	←	←	←	←
New Construction	←	←	←	←

XX-X
┌ Segment No.
└ Project No.

Project	Segment	1st 6-Year Program 1993	2nd 6-Year Program 2001/2002	3rd 6-Year Program 2009/2010
1 North Luzon Expressway	1-1			
1 North Luzon Expressway	1-2			
2 New North Luzon Expressway	2-1			
2 New North Luzon Expressway	2-2			
2 New North Luzon Expressway	2-3			
2 New North Luzon Expressway	2-4			
2 New North Luzon Expressway	2-5			
2 New North Luzon Expressway	2-6			
2 New North Luzon Expressway	2-7			
3 Manila North Rd. Rosario-Loaog	3-1			
3 Manila North Rd. Rosario-Loaog	3-2			
3 Manila North Rd. Rosario-Loaog	3-3			
3 Manila North Rd. Rosario-Loaog	3-4			
3 Manila North Rd. Rosario-Loaog	3-5			
3 Manila North Rd. Rosario-Loaog	3-6			
3 Manila North Rd. Rosario-Loaog	3-7			
3 Manila North Rd. Rosario-Loaog	3-8			
3 Manila North Rd. Rosario-Loaog	3-9			
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3 Manila North Rd. Rosario-Loaog	3-100			

LEGEND: Detailed Engineering Construction



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