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Penang Development Corporation.
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Building Research Institute, Ministry of Construction.
4. Mr. Koumei Asano  
Ministry of Construction.
5. Mr. Hiroo Takeda  
Tokyo Metropolitan Expressway Public Corporation.

Study Team

1. Dr. Kaoru Ichihara  
Team Leader.
2. Mr. Kokuro Hanawa  
Traffic Engineering.
3. Mr. Toshio Kimura  
Economic Evaluation.
4. Mr. Haruhiko Imai  
Traffic Planning.
5. Mr. Katsuyasu Nakata  
Traffic Analysis.
6. Mr. Seichiro Yamazaki  
Operation of Computer.
7. Mr. Hideaki Hoshina  
Environmental Study.
8. Mr. Koichi Tsuzuki  
Road Design and Survey.
9. Mr. Koji Suzuki  
Road Design.
10. Mr. Kumpei Tanigawa  
Soil and Material Survey.
11. Mr. Yutaka Makiguchi  
Bridge Design.
12. Mr. Makoto Namatame  
Hydrographic Study.
13. Mr. Ryota Kimura  
Traffic Engineering.
14. Mr. Hikaru Nishimura  
Intersection Analysis/Administration.

### List of Reports

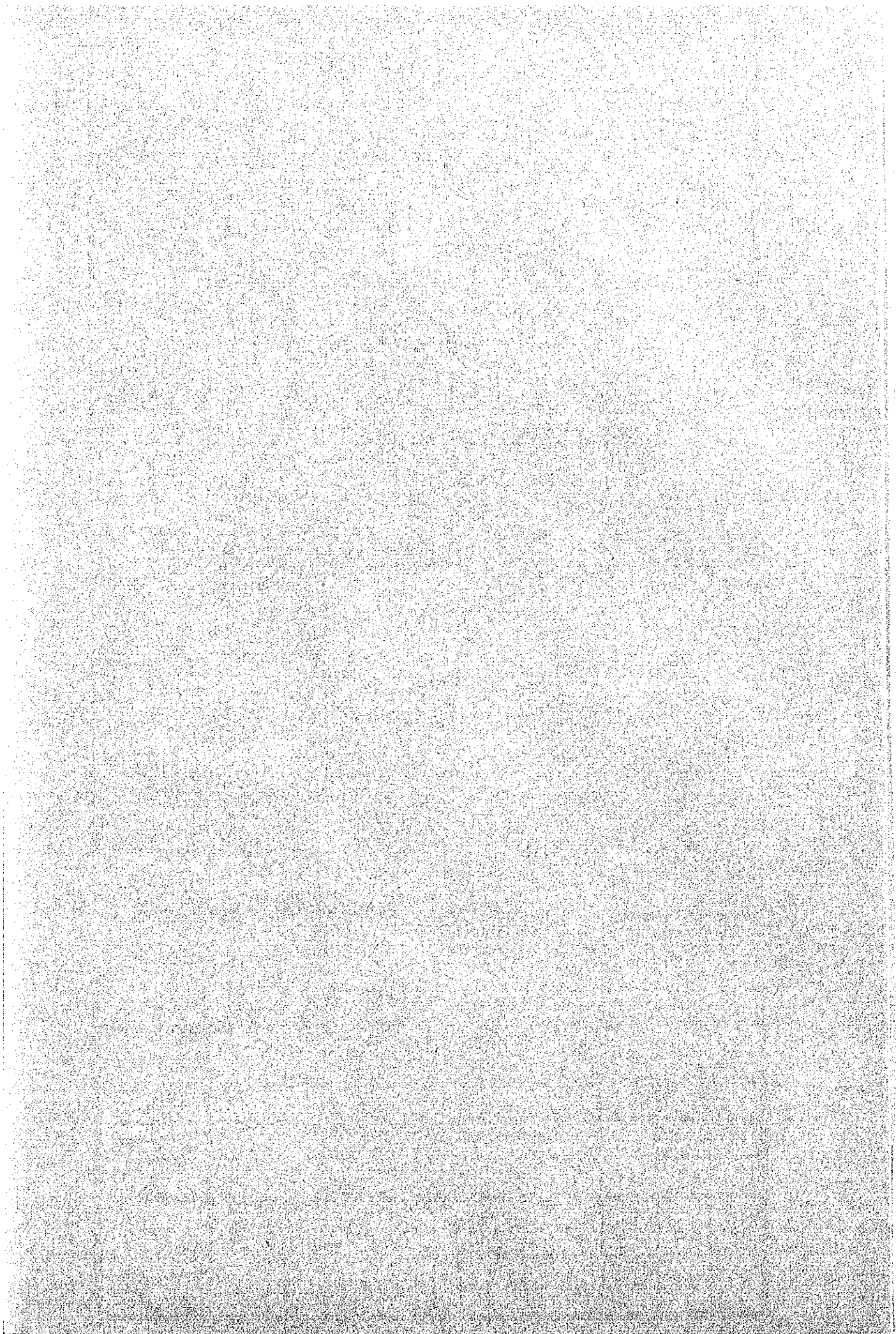
Vol. 1. Final Report. (Main Volume)

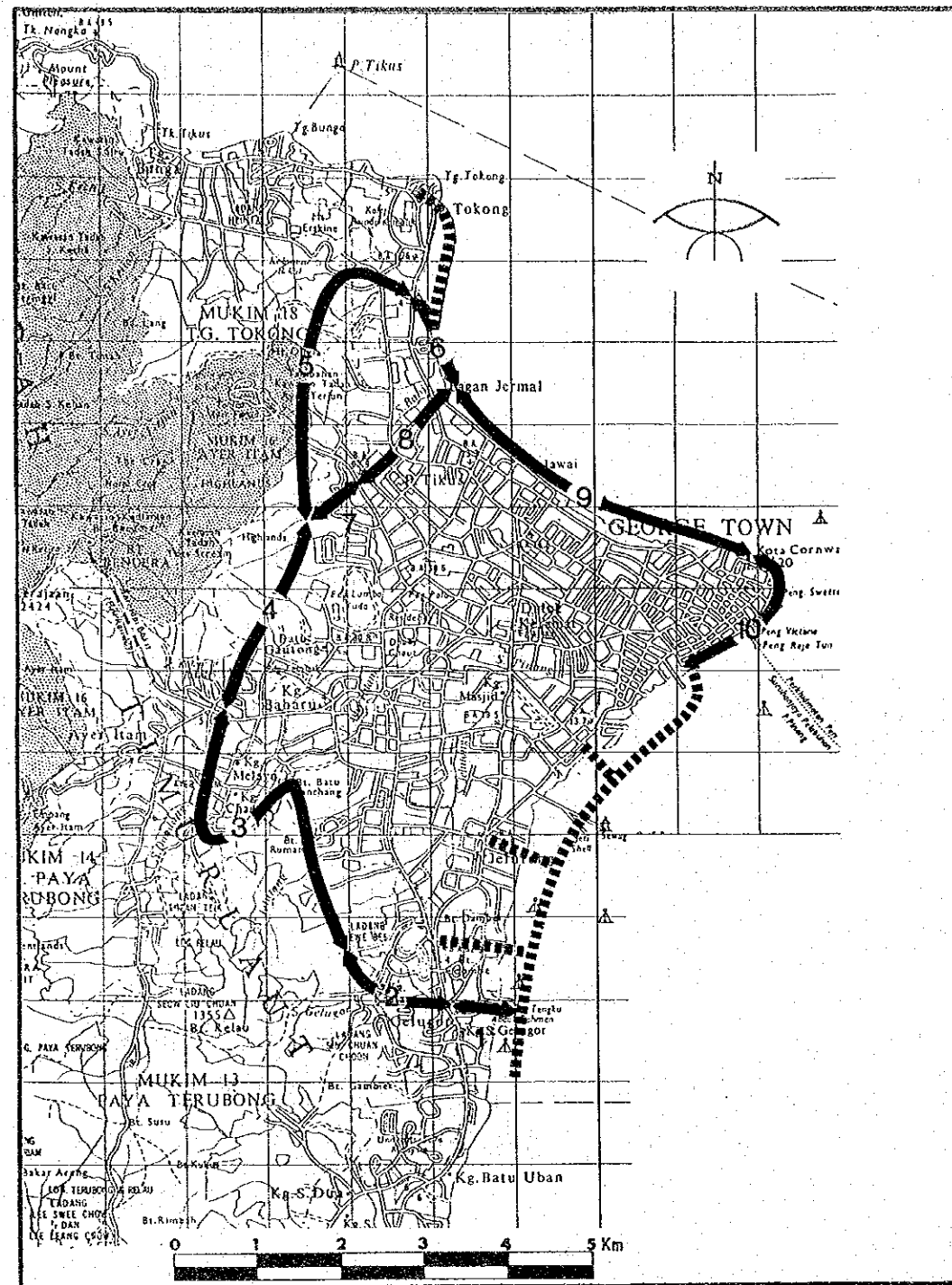
Vol. 2. Preliminary Engineering Plan.

### Technical Report

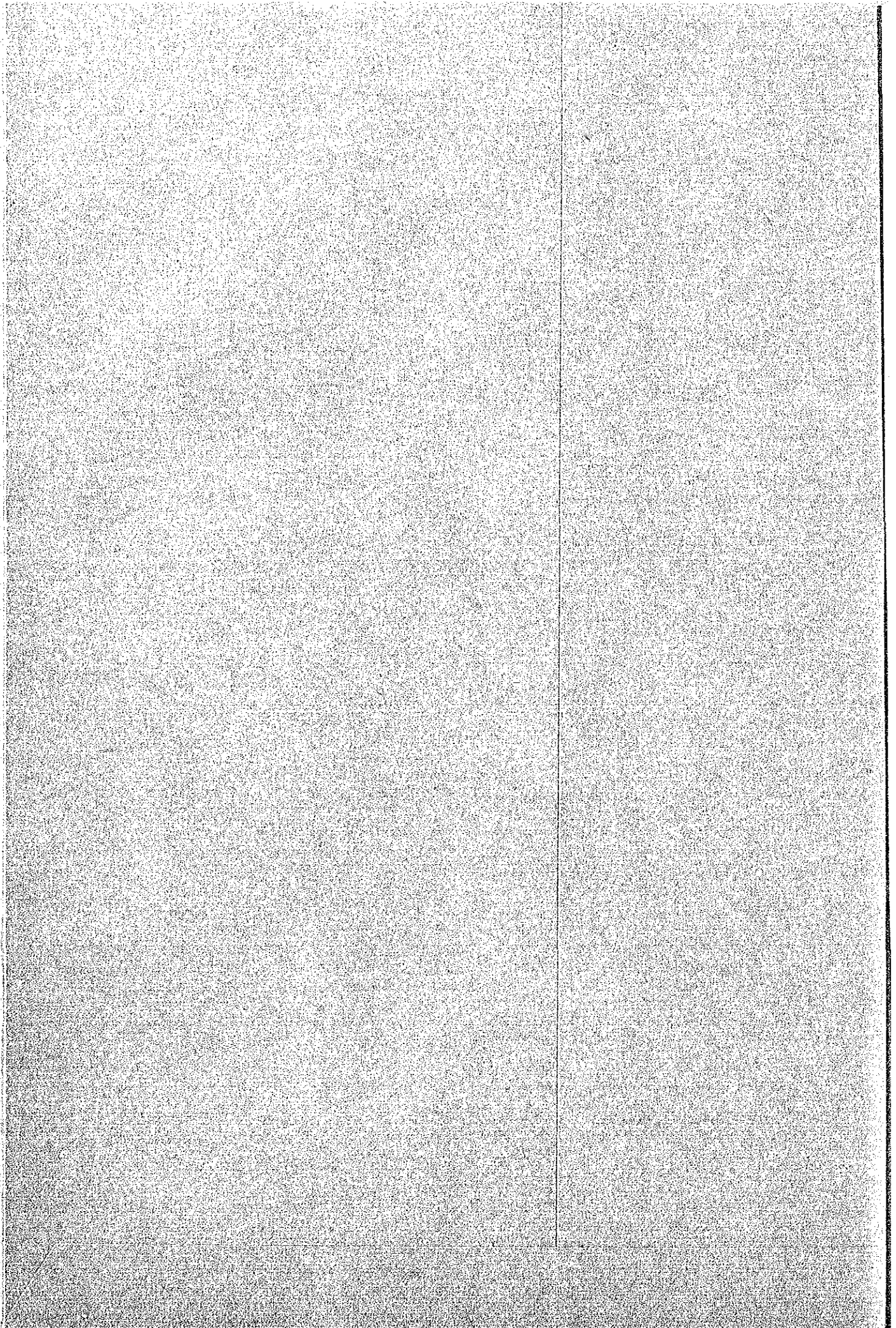
- 01 Landuse Study
- 02 Environmental Study
- 03 Soil Investigation
- 04 Highway Design
- 05 Traffic Projection in Phase II
- 06 Bridge Study
- 07 Revetment of Reclamation Study
- 08 Site Evaluation.





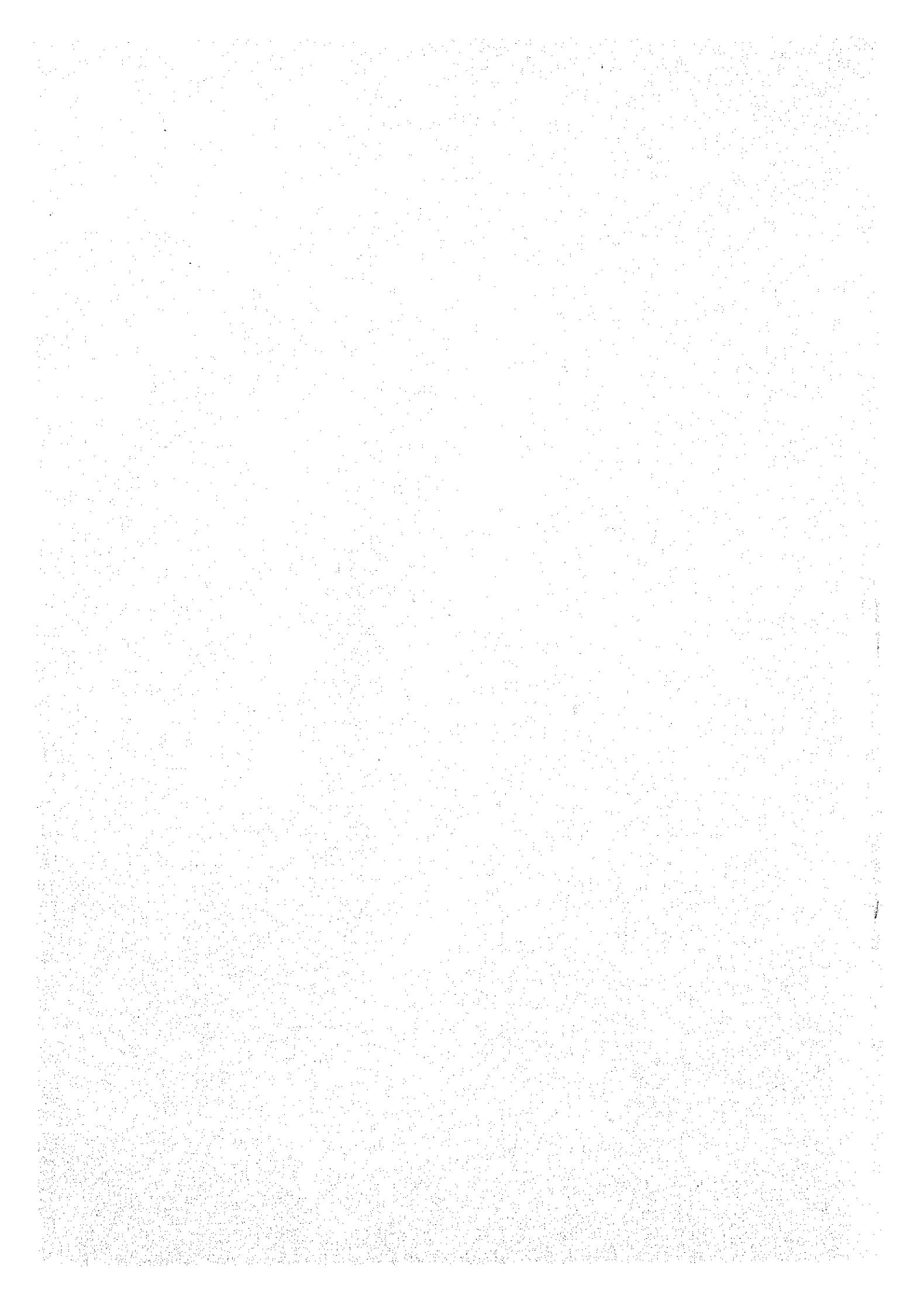


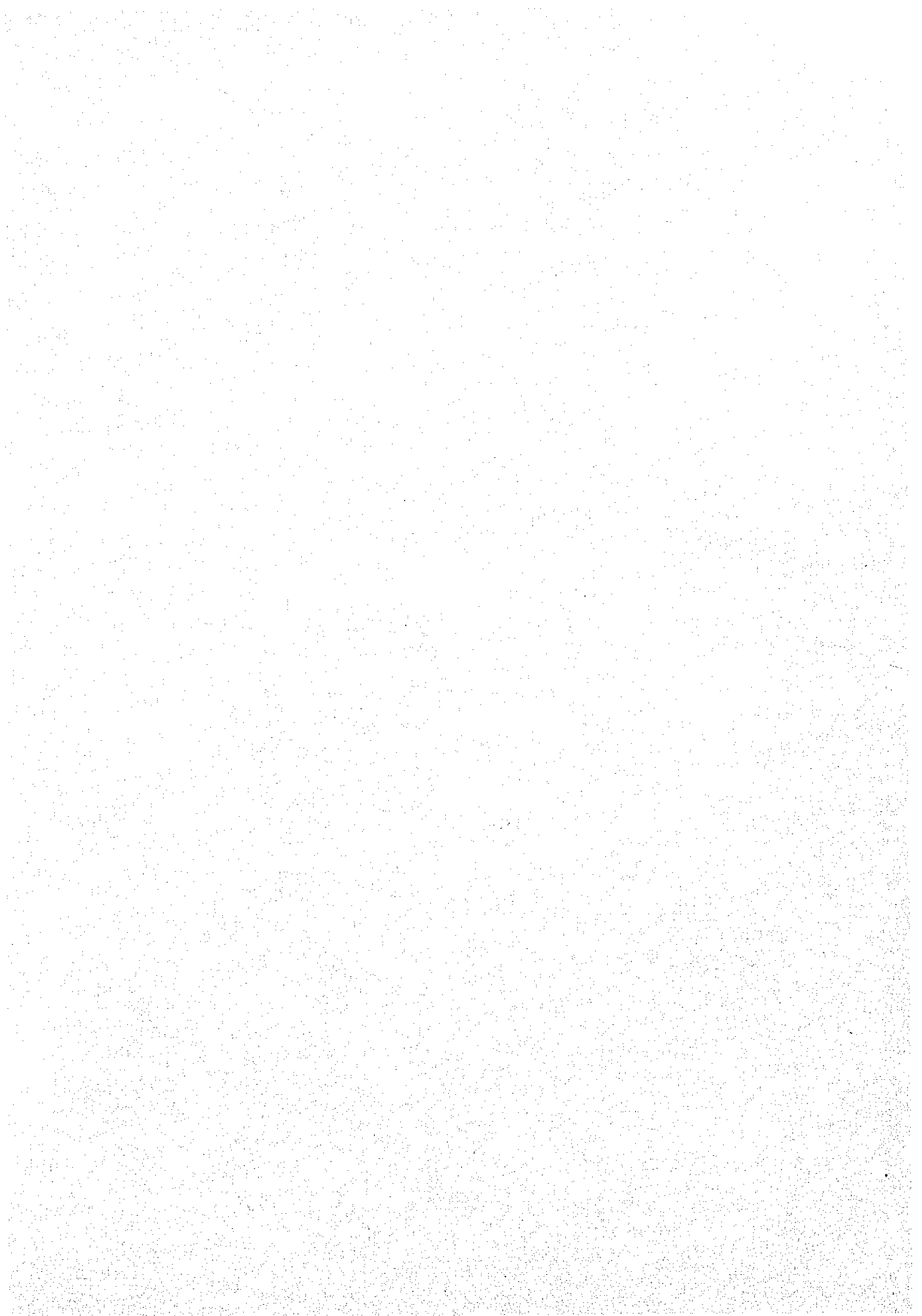
Section	Section 1			Section 2						
	1	2	3	4	5	6	7	8	9	10
PLAN 1										
PLAN 2										
Project Priority	④	④	④	①	③	③	①		②	②
Length (km)	07	20	59	21	43	115	112	16	44	22
Construction Cost (millionM\$)	62	16.2	360	230	248	61	63	210	24.3	1.7











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