

January 2001

Mr. Kunihiro Saito
President
Japan International Cooperation Agency

Subject: Letter of Transmittal

Dear Sir,

We are pleased to submit herewith the Final Report of "The Study on Integrated Transportation Master Plan for JABOTABEK (Phase I)".

The report contains results of the study which was carried out by Pacific Consultants International in association with Almec Corporation between March 2000 and January 2001. The report consists of Summary, Main Text, Review of MRT Project and Review of Jakarta Outer Ring Road.

The Summary briefly illustrates the findings of the entire study. The Main Report is comprised of 10 Chapters and presents current transport profiles, conceptual master plan and selected short term projects. Review of MRT Project discusses a policy direction to realize the Fatmawati-Monas MRT project. Review of Jakarta Outer Ring Road deals mainly with financial and institutional arrangements required to implement the suspended sections of the project. Necessary policy measures and actions should be taken so as to realize the "down-to-earth" blueprint in a timely manner.

We wish to express grateful acknowledgement to the personnel of your Agency, Ministry of Foreign Affairs, Advisory Committee, Ministry of Land, Infrastructure and Transport and Embassy of Japan in Indonesia, and also officials of National Development Planning Agency (BAPPENAS) and counterpart personnel who assisted the Study Team. The Study Team sincerely hopes that the result of this study will contribute to the urban transport development in Jabotabek.

Yours faithfully,



Isamu Gunji
Team Leader, JICA Study Team
The Study on Integrated Transportation Master Plan
for JABOTABEK (Phase I)

Abbreviation/Acronyms and Glossary

Abbreviation/Acronyms	English
AASHTO	American Association of State Highway and Transportation Officials
AC	Alternating Current
ADB	Asian Development Bank
AFTA	Asean Free Trade Area
AMDAL	Environmental Impact Assessment (EIA)
ANDAL	Environmental Impact Statement
APBN	National Budget
AQMS	Air Quality Monitoring System
ARSDS	Arterial Road System Development Study
ASAP	As soon as possible
ASEAN	Association of South East Asia Nation
ATC	Automatic Traffic Control
ATO	Automatic Train Operation
ATP	Automatic Train Protection
ATS	Automatic Train Stop
BAPEDAL	Environmental Impact Management Agency
BAPEDALDA	Regional Environmental Impact Management Agency
BAPPEDA	City Planning Bureau
BAPPENAS	National Development Planning Agency
bil.Rp	Billion Rupiah
BOT	Build Operate Transfer
Botabek	Bogor, Tangerang, Bekasi
BPN	Head of National Land Agency
BPPT	Technology Assessment and Application Agency
BPS	Statistics Indonesia
BS	British Standard
BSS	Bulk Supply Substations
CAP	Clean Air Project
CBD	Central Business District
CCTV	Central Control TV
CKD	Complete Knocked Down
CL	Central Line
Comm.	Communication
CPI	Consumer Price Index
CPU	Central Processing Unit
CTC	Centralized Traffic Control
CTS	Centralized Traffic Supervision
D/D	Detailed Design
D/P	Definitive Plan
Daop - 1	1st Railway Operating Division
Daop Jabotabek	Jabotabek Railway Operating Division
dBA	Decibel (Noise Level)
DBC	Design Build Contract
DC	Direct Current
DF/R	Draft Final Report
DGLC	Directorate General of Land Communications
DGLT	Directorate General of Land Transport
DKI	Special Capital City Jakarta
DKI Jakarta	Special Capital City Jakarta
DLLAJ	City Land Transportation Agency
DLLAJR	Dinas Lintas Lintas Angkutan Jalan Raya
DMC	Driving Motor Car
DPJU	Dinas Penerangan Jalan Umum
DPKJ	Dinas Pertamanan Kota Jakarta
DPR	House of Representatives/National Parliament
DPRD	Local Parliament

Abbreviation/Acronyms and Glossary

Abbreviation/Acronyms	English
DPU	Public Works Agency
DSS	Depot Substation
DT	Driver Trailer Car
DTC	Driving Trailer Car
E & M	Electrical and Mechanical Systems
E.M.U	Electric Motive Units
EC	Electric Car
EIA	Environmental Impact Assessment
EIRR	Economic Internal Rate of Return
ELV.	Elevation
EMC	Environmental Management Center
EN	European Standard Institute
F/C	Foreign Currency
FIRR	Financial Internal Rate of Return
FY	Fiscal Year
GAIKINDO	Dealer and Motor Vehicle Makers in Jakarta
GDP	Gross Domestic Product
GFCF	Gross Fix Capital Formation
GIS	Geographic Information System
GL	Ground Level
GNP	Gross National Product
GOI	Government of Indonesia
GOJ	Government of Japan
GRDP	Gross Regional Domestic Product
GTZ	German Agency for Technical Cooperation
h.p.	Horse Power
HBO	Home Based Other
HBS	Home Based School
HBW	Home Based Work
HI	Hotel Indonesia
HOV	High Occupancy Vehicle
HRT	Heavy Rail Transit
HSCB	High Speed Circuit Breaker
HUBDAT	Land Communication
Hz	Hertz
I & M	Inspection and Maintenance
i.e.:	it est (that means)
IBRA	Indonesian Bank Restructuring Agency
IC	Interchange, Intersecting Tollway Facility with non tollway
IEC	International Electrical Commission
IJEG	Indonesian Japanese European Group
IMF	International Monetary Fund
INPRESS	Presidential Instruction
IRR	Internal Rate of return
ITC	International Trade Center
ITS	Intelligent Transport System
ITSI	Integrated Transport System Improvement by Railway and Feeder Servi
Jabotabek	Jakarta, Bogor, Tangerang and Bekasi
Jabotabek BKSP	Jabotabek Development Cooperation Agency
JBIC	Japan Bank for International Cooperation
JC	Junction, Intersecting Facility between tollway
JICA	Japan International Cooperation Agency
JIS	Japan Industrial Standard
JIUT	Jakarta Intra Urban Tollway
JKT	Jakarta
Jl.	Street
JMATS	Jakarta Metropolitan Area Transpotation Study

Abbreviation/Acronyms and Glossary

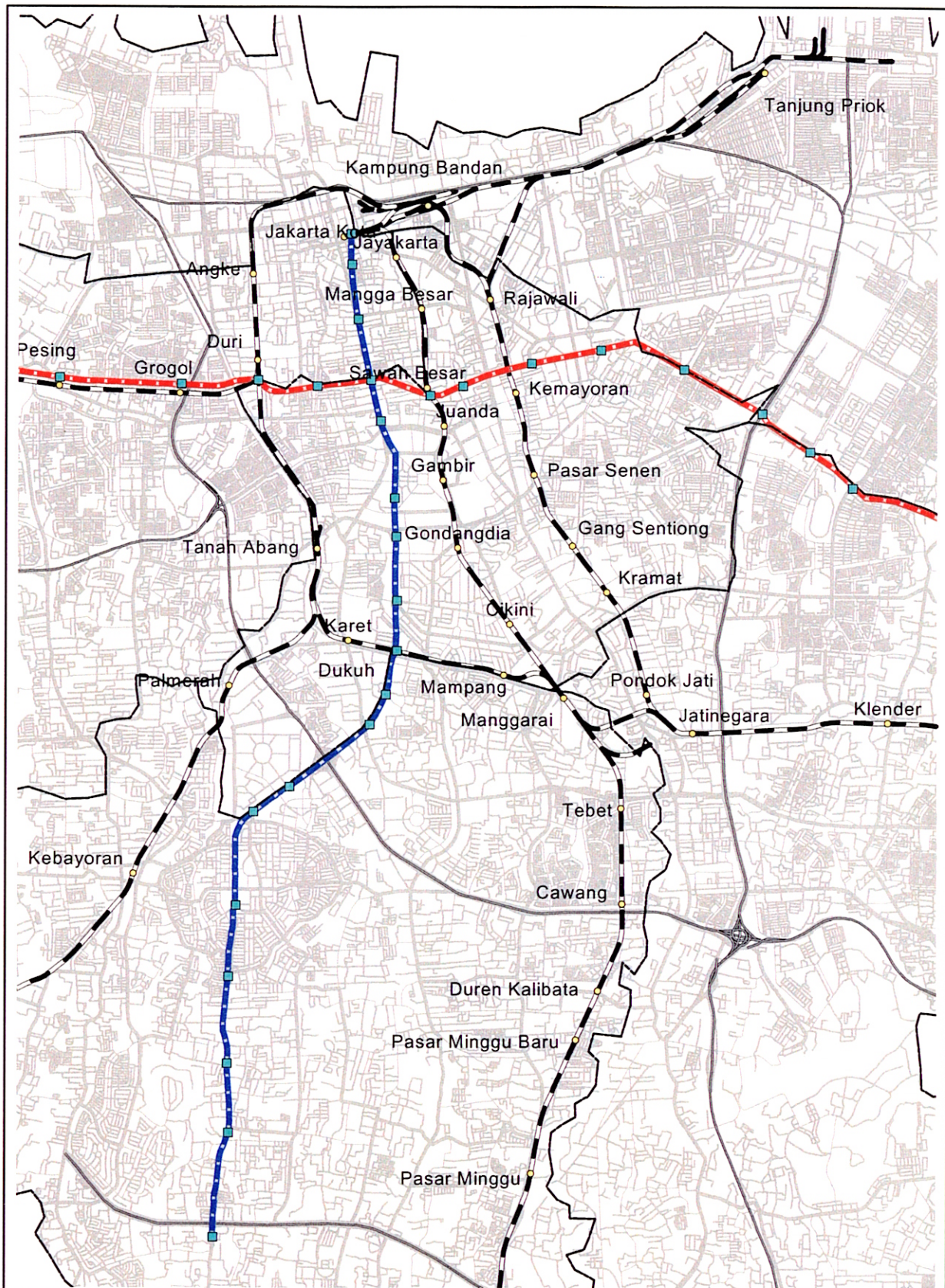
Abbreviation/Acronyms	English
JMDP	Jabotabek Metropolitan Development Plan
JMDPR	Jabotabek Metropolitan Development Plan Review
JMF	Jakarta Metro Fund
JMTSS	Jakarta Mass Transit System Study (GTZ)
JORR	Jakarta Outer Ring Road
JTCA	Japan Traffic Cooperation Agency
JUDP	Jabotabek Urban Development Project
Kab.	Kabupaten/Regency
Kandep	Agency Office, a line agency of a ministry at Kabupaten
Kanwil	Regional Office, a line regional agency of a ministry
Kec.	Kecamatan
Kel.	Kelurahan
Kimbangwil	Kimbangwil is now become Kimpraswil
Kimpraswil	Ministry of Settlement and Regional Infrastructure
KKN	Corruption, Collusion and Nepotism
KLH	The Ministry of Save for the Environment
KRD	Diesel Locomotive
KRL	Electric Car
KTP	Resident ID
kV	Kilo-Volt
KVG	Kinematic Vehicle Gauge
L/C	Local Currency
L/M	Long and Middle
LBD	Linked Breaking Devices
LCD	Liquid Crystal Display
LEV	Less Emission Vehicles
LH	Environment
LNG	Liquid Natural Gas
LPG	Liquid Petroleum Gas
LRT	Light Rail Transit
m	Meter
MC	Motor Car
MENLH	Ministry of Environment
MHA	Ministry of Home Affairs
MIGAS	Oil and Gas
mm	Millimeter
MOC	Ministry of Communication
MPR	People Consultatives Assembly
MRT	Mass Rapid Transit
MRTA	Mass Rapid Transit Authority
MRTC	Mass Rapid Transit Corporation
Musyawarah	Community consultation process
NFPA-130	National Fire Protection Association (USA) 130
NGO	Non Government Organization
NHB	None Home Based
NJOP	Selling Value of Tax Object
NOx	Nitrogen Oxide
NPV	Net Present Value
NSTO	New Single Track Operation
NTAM	New Austrian Tunneling Method
O & M	Operations and Maintenance
OC	Operation Center
OCC	Operations Control Center
OCL	Overhead Contact Line
OD	Origin Destination
OHC	Overhead Catenary
P.C.	Point of Curve

Abbreviation/Acronyms and Glossary

Abbreviation/Acronyms	English
PA	Public Address
PAM	Water Supply Company
PANTURA	The North Coastal Area
PATAS	Limited Express Bus
PATAS AC	Limited Express Bus with Air Condition
Pb	Lead
PC	Power Car
PC	Prestressed Concrete
PCU	Passenger Car Unit
PDAM	Local Water Supply Company
Pertamina	State-owned Company for Oil and Gas Production
PERUMTEL	Telecommunication Company
PFI	Private Financing Initiative
PGN	State Company for Gas
pH	Hydrogen Ion Concentration
PHBD	Directorate General of Land Transport and Inland Waterways
PKB	Motorized Vehicle Inspection
PKN	Center of National Activities
PLN	State Company of Electricity
PM	Power Motor
PM	Project Manager
PP	Government Regulation
Propenas	The New National Development Program
PSD	Platform Screen Door
PSS	Passenger Station Substations
PT. KAI	Indonesian Railway Company
PT. Telkom	Indonesian Telecommunication Company
PU	Public Works
R	Radius
R.C.D.	Reverse Circulation Drill
RAP	Resette Action Plan
REI	Indonesian Real Estate
Repelita	The five-year National Development Plan
RL	Rail Level
RM-Mode	Restricted Manual Mode
ROW	Right of Way, Border of a road or the area occupied by a road
Rp	Indonesian Rupiah
RT	Neighborhood association, the lowest administrative unit
RTRW	Regional Spatial Structure Plan
RTRWN	National Regional Spatial Structure Plan
RW	Administrative unit at the next-to-lowest in city, consisting several RTs
SCADA	Supervisory Control and Data Acquisition
SII	Indonesian Industrial Standard
SITRAMP	Study on Integrated Transport Master Plan for JABOTABEK
SO ₂	Sulphur Dioxide
SS	Suspended Solid
SSI	Solid State Interlocking
St.	Station
Sta	Station, Name of 1 km mileage
SYL	Special Yen Loan
T	Trailer
TASC	Train Automatic Stopping Control
TBM	Tunnel Boring Machine
TC	Trailer Car
TC	Time Cost
TNI	Indonesian Army Forces
TNPR	Transport Network Planning and Regulation Project (World Bank)

Abbreviation/Acronyms and Glossary

Abbreviation/Acronyms	English
TOD	Time-of Day
TOR	Terms of Reference
TPS	Traction Power Substation
TRANSYT/7F	Name of Software for Timing Calculation
TSP	Total Suspended Particles
TSS	Transit Station Substation
UIC	Union International de Chemin de Fer (French)
V	Volt
VAT	Value Added Tax
VOC	Vehicle Operating Cost
VPI	Vital Processor Interlocking
VVVF	Variable Voltage Variable Frequency
WALHI	Non-governmental Organization on Environment in Indonesia
WAP	Obligatory to Carry Passenger
WB	The world Bank Group
WHO	World Health Organization



LEGEND

- Planned MRT Station
- Existing Railway Station
- Planned MRT Line (East - West Line)
- Planned MRT Line (North - South)
- - - Existing Railway
- DKI Jakarta Boundary

- Tollroad
- Arterial Road
- Main Road
- Other Road

0 1 2 3 Km



Project Location Map

SITRAMP JABOTABEK

The Study on
Integrated Transport Master Plan
for JABOTABEK
(Phase I)

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