THE DETAILED DESIGN STUDY OF THE RAILWAY ELECTRIFICATION AND DOUBLE-DOUBLE TRACKING OF JAVA MAIN LINE PROJECT IN INDONESIA



FINAL REPORT - DRAWINGS VOLUME I

- TRACK ALIGNMENT
- TRACK WORKS

MARCH 2005



Pacific Consultants International
Japan Railway Technical Service



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Japan International Cooperation Agency (JICA)

Directorate General of Land Communications (DGLC)

Ministry of Communications

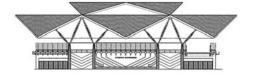
Government of the Republic of Indonesia

THE DETAILED DESIGN STUDY OF THE RAILWAY ELECTRIFICATION AND DOUBLE-DOUBLE TRACKING OF JAVA MAIN LINE PROJECT IN INDONESIA

FINAL REPORT
DRAWINGS VOLUME I
TRACK ALIGNMENT

■ TRACK WORKS

MARCH 2005



Pacific Consultants International Japan Railway Technical Service

ALIGNMENT PLAN

NO	TITLE	DRAWING NO	SCALE
1	TRACK LAYOUT (MANGGARAI - JATINEGARA)	A LI - 0 01	-
2	TRACK LAYOUT (JATINEGARA - BEKASI)	ALI - 002	-
3	ALIGNMENT PLAN Km -0+800 ~ -0+200	ALI - 003	H=1:1000 V:=1:100
4	ALIGNMENT PLAN Km -0+200 ~ 0+400	ALI - 004	H=1:1000 V;=1:100
5	ALIGNMENT PLAN Km 0-400 ~ 1+000	ALI - 005	H=1:1000 V:=1:100
6	ALIGNMENT PLAN Km 0-400 ~ 0+950	ALI - 005A	H=1:1000 V:=1:100
7	ALIGNMENT PLAN Km 1-000 ~ 1+600	ALI - 006	H=1:1000 V:=1:100
8	ALIGNMENT PLAN Km 1-600 ~ 2+200	ALI - 007	H=1:1000 V:=1:100
9	ALIGNMENT PLAN Km 2-200 ~ 11+900	ALI - 008	H=1:1000 V:=1:100
10	ALIGNMENT PLAN Km 11+900 ~12+500	ALI - 009	H=1:1000 V:=1:100
11	ALIGNMENT PLAN Km 12+500 ~13+100	ALI - 010	H=1:1000 V:=1:100
12	ALIGNMENT PLAN Km 13+100 ~13+700	ALI - 011	H=1:1000 V:=1:100
13	ALIGNMENT PLAN Km 13+700 ~14+300	ALI - 012	H=1:1000 V:=1:100
14	ALIGNMENT PLAN Km 14+300 ~14+900	ALI - 013	H=1:1000 V:=1:100
15	ALIGNMENT PLAN Km 14+900 ~15+500	ALI - 014	H=1:1000 V:=1:100
16	ALIGNMENT PLAN Km 15+500 ~16+100	ALI - 015	H=1:1000 V:=1:100
17	ALIGNMENT PLAN Km 16+100 ~16+700	ALI - 016	H=1:1000 V:=1:100
18	ALIGNMENT PLAN Km 16+700 ~17+300	ALI - 017	H=1:1000 V:=1:100
19	ALIGNMENT PLAN Km 17+300 ~17+900	ALI - 018	H=1:1000 V:=1:100
20	ALIGNMENT PLAN Km 17+900 ~18+500	ALI - 019	H=1:1000 V:=1:100
21	ALIGNMENT PLAN Km 18+500 ~19+100	ALI - 020	H=1:1000 V:=1:100
22	ALIGNMENT PLAN Km 19+100 ~19+700	ALI - 021	H=1:1000 V:=1:100
23	ALIGNMENT PLAN Km 19+700 ~20+300	ALI - 022 .	H=1:1000 V:=1:100
24	ALIGNMENT PLAN Km 20+300 ~20+900	ALI - 023	H=1:1000 V:=1:100
25	ALIGNMENT PLAN Km 20+900 ~21+500	ALI - 024	H=1:1000 V:=1:100
26	ALIGNMENT PLAN Km 21+500 ~22+100	ALI - 025	H=1:1000 V:=1:100
27	ALIGNMENT PLAN Km 22+100 ~22+700	ALI - 026	H=1:1000 V:=1:100
28	ALIGNMENT PLAN Km 22+700 ~23+300	ALI - 027	H=1:1000 V:=1:100
29	ALIGNMENT PLAN Km 23+300 ~23+900	ALI - 028	H=1:1000 V:=1:100
30	ALIGNMENT PLAN Km 23+900 ~24+500	ALI - 029	H=1:1000 V:=1:100
31	ALIGNMENT PLAN Km 24+500 ~25+100	ALI - 030	H=1:1000 V:=1:100
32	ALIGNMENT PLAN Km 25+100 ~25+700	ALI - 031	H=1:1000 V:=1:100
33	ALIGNMENT PLAN Km 25+700 ~26+300	ALI - 032	H=1:1000 V:=1:100
34	ALIGNMENT PLAN Km 26+300 ~26+900	AL1 - 033	H=1:1000 V:=1:100

NO	TITLE	DRAWING NO	SCALE
35	ALIGNMENT PLAN Km 26-900 ~27+500	ALI - 034	H=1:1000 V:=1:100
36	ALIGNMENT PLAN Km 27-500 ~28+100	ALI - 035	H=1:1000 V:=1:100
37	ALIGNMENT PLAN IN MANGGARAI STATION	ALI - 036	H=1:1000
38	ALIGNMENT PLAN IN JATINEGARA STATION	ALI - 037	H=1:1000
39	ALIGNMENT PLAN IN CIPINANG STATION	ALI - 038	H=1:1000
40	ALIGNMENT PLAN IN BEKASI STATION	ALI - 039	H=1:1000

The Railway Electrification and Double - double Tracking of Javo Main Line Project



DEFARTEMEN PERFUEDINGAN
MINISTRY OF COMMUNICATION
DIRECTORAT JENDERAL PERFUJUNGAN DARAT
DIRECTORAT GENERAL OF LAND COMMUNICATION
John Medon Merdiku Bork tod Gedang Kayo (L.11. 18,021-3505528-3505557

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GENERAL

ALIGNMENT PLAN

DATE March, 2005

Drawing Title :

DRAWING LIST

Scale: | Drawing No.; | ALI-000

TRACK WORK

NO	TITLE	DRAWING NO	SCALE
01	MANGGARAI ST. (1/3)	TR - 01 - 001	1 : 1000
02	MANGGARAI ST. (2/3)	TR - 01 - 002	1 : 1000
03	MANCCARAI ST. (3/3)	TR - 01 - 003	1 : 1000
04	Between MANGGARALST. to MATRAMAN ST.	TR - 01 - 004	1 : 1000
05	MATRAMAN ST.	TR - 01 - 005	1 : 1000
06	JATINEGARA ST. (1/3)	TR - 01 - 006	1 : 1000
07	JATINEGARA ST. (2/3)	TR - 01 - 007	1 : 1000
08	JATINEGARA ST. (3/3)	TR - 01 - 008	1:1000
09	CIPINANG ST. (1/2)	TR - 01 - 009	1: 1000
10	C!PINANG ST. (2/2)	TR - 01 - 010	1:1000
11	Between CIPINANG ST. to KLENDER ST.	TR - 01 - 011	1 : 1000
12	KLENDER ST. (1/2)	TR - 01 - 012	1 : 1000
13	KLENDER ST. (2/2)	TR - 01 - 013	1 : 1000
14	Between KLENDER ST. to BUARAN ST. (1/2)	TR - 01 - 014	1 : 1000
15	Between KLENDER ST. to BUARAN ST. (2/2)	TR - 01 - 015	1 : 1000
16	BUARAN ST.	TR - 01 - 016	1 : 1000
17	Between BUARAN ST. to KLENDER BARU ST. (1/2)	TR - 01 - 017	1 : 1000
18	Between BUARAN ST. to KLENDER BARU ST. (1/2)	TR - 01 - 018	1 : 1000
19	KLENDER BARU ST. (1/2)	TR - 01 - 019	1 : 1000
20	KLENDER BARU ST. (2/2)	TR - 01 - 020	1:1000
21	Between KLENDER BARU ST. to CAKUNG ST.	TR - 01 - 021	1:1000
22	CAKUNG ST. (1/2)	TR ~ 01 ~ 022	1 : 1000
23	CAKUNG ST. (2/2)	TR - 01 - 023	1 : 1000
24	Between CAKUNG ST. to KRANJI ST. (1/3)	TR - 01 - 024	1 : 1000
25	Between CAKUNG ST. to KRANJI ST. (2/3)	TR - 01 - 025	1 : 1000
26	Between CAKUNG ST. to KRANJI ST. (3/3)	TR - 01 - 026	1 : 1000
27	KRANJI ST.	TR - 01 - 027	1 : 1000
28	Between KRANJI ST. to BEKASI ST. (1/2)	TR + 01 - 028	1 : 1000
29	Between KRANJI ST. to BEKASI ST. (2/2)	TR - 01 - 029	1 : 1000
30	BEKASI ST. (1/3)	TR - 01 - 030	1 : 1000
31	BEKASI ST. (2/3)	TR - 01 - 031	1 : 1000
32	BEKASI ST. (3/3)	TR - 01 - 032	1 : 1000
33	BEKASI ST. (4/4)	TR - 01 - 033	1:1000

The Railway Electrification and Double - double Tracking of Jova Main Line Project



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TRACK WORKS

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Drawing litle :

DRAWING LIST

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TR-01-000

TRACK WORK

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MA	TITI C	DDAMINIC NO	CCALE
NO	TITLE	DRAWING NO	SCALE
01	RAIL R.54 AND RAIL JOINT ACCESSORIES	TR - 02 - 001	1:4.5 / 1:2 / 1:1
02	COMPROMISE RAIL R.54-R.42	TR - 02 - 002	1:3 / 1:1
03	RAIL FASTENING	TR - 02 - 003	1:2
04	INSULATED RAIL JOINT ACCESSORIES	TR - 02 - 004	1:11
05	TRACK PANEL	TR - 02 - 005	1:1000/1:100/1:25/1:5
06	SIMPLE TURNOUT R.54 NO.8	TR - 02 - 006	1:40
07	SIMPLE TURNOUT R.54 NO.10	TR - 02 - 007	1:200 / 1:40
08	SCISSOR CROSSING R.54 NO.8	TR - 02 - 008	1:80 / 1:45
09	SCISSOR CROSSING R.54 NO.10	TR - 02 - 009	1:200 / 1:100 / 1:50
10	PC SLEEPERS AND FASTENING	TR - 02 - 010	1:5 / 1:2
11	WOODEN SLEEPERS AND FASTENING ON TRACK & BRIDGE	TR - 02 - 011	1:5 / 1:2 / 1:1
12	BUFFER STOP ASSEMBLY (TYPE A)	TR - 02 - 012	1:20 / 1:4 / 1:2
13	BUFFER STOP ASSEMBLY (TYPE B)	TR - 02 - 013	1:100
14	RAILWAY SIGN POST (1/3)	TR - 02 - 014	1:10
15	RAILWAY SIGN POST (2/3)	TR - 02 - 015	1:10
16	RAILWAY SIGN POST (3/3)	TR - 02 - 016	1:10

The Rallway Electrification and Double - double Tracking of Java Main Line Project



DEPARTMENT PERSUBUNGAN MINISTRY OF COMMUNICATION DIRECTORATE CENTRAL PERSUBUNGAN LARAT DERECTORATE CENTRAL OF LAND COMMUNICATION John Medin Merdens Burst roa. Sedung hope 1.17 Bp.021-308523-300.

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TRACK

TRACK WORKS

DATE

Drawing Title :

DRAWING LIST

Drawing Kn

Scale:

TR-02-000

LOCATION OF LEVEL CROSSING AND DETAIL

NO	TITLE	DRAWING NO	SCALE
01	LEVEL CROSSING NO. 52	TR - 03 - 001	1:500
02	LEVEL CROSSING NO. 55	TR - 03 - 002	1:500
03	LEVEL CROSSING NO. 56	TR - 03 - 003	1:500
04	LEVEL CROSSING NO. 66 & 78	TR - 03 - 004	1:500
05	TYPICAL DRAWING OF LEVEL CROSSING TYPE A (CONCRETE PANEL TYPE)	TR - 03 - 005	1:75
	FOR DOUBLE-DOUBLE TRACK		
06	TYPICAL DRAWING OF LEVEL CROSSING TYPE A (CONCRETE PANEL TYPE)	TR - 03 - 006	1:60
	FOR DOUBLE TRACK		
07	DETAIL OF LEVEL CROSSING CONCRETE PANEL	TR - 03 - 007	1:10 / 1:5
08	TYPICAL DRAWING OF LEVEL CROSSING TYPE B (ASPHALT PAVEMENT TYPE)	TR - 03 - 008	1:75 / 1:45
	FOR DOUBLE-DOUBLE TRACK		
09	TYPICAL DRAWING OF LEVEL CROSSING TYPE B (ASPHALT PAVEMENT TYPE)	TR - 03 - 009	1:75 / 1:25
	FOR DOUBLE TRACK		
10	DETAIL OF LEVEL CROSSING ASPHALT PAVEMENT TYPE	TR - 03 - 010	1:10 / 1:5
11	DETAIL OF LEVEL CROSSING DRAINAGE	TR - 03 - 011	1:50/1:20/1:15/1:10
12	DETAIL OF CATCH BASIN AND U-DITCH	TR - 03 - 012	1:10 / 1:5

The Railway Electrification and Double - double Tracking of Java Main Line Project



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TRACK

LEVEL CROSSINGS

DATE

Drawing Title :

DRAWING LIST

cale:

Drawing No.

TR-03-000

