PEDOMAN

No : 004-B/PW / 2004

Gambar standar pekerjaan jalan dan jembatan

(Versi Bahasa Inggris)

Edisi Pertama

DEPARTEMEN PERMUKIMAN DAN PRASARANA WILAYAH

DIREKTORAT JENDERAL PRASARANA WILAYAH

No : 004-B/PW / 2004

Standard of drawings for road and bridge works

(English Version)

First Edition

D E P A R T E M E N P E R M U K I M A N D A N P R A S A R A N A W I L A Y A H

D I R E K T O R A T J E N D E R A L P R A S A R A N A W I L A Y A H

PREFACE

Standard of drawings for road and bridge works are prepared by Sub Directorate of Standards and Guidelines Preparation, Directorate of Technical Affairs, Directorate General of Regional Infrastructures, Department of Settlements and Regional Infrastructures.

These standard of drawings are referred to the original standard of drawings for road and bridge works which improved some parts to adapt with the last advance in technology.

The usage of standard of drawings for road and bridge works have to always considering designed and technical specification which are qualifying.

By repairing of these standard of drawings for road and bridge works are expected to assist planner, supervisor, executor in applying with the best performance of road and bridge infrastructures.

And we hope for any other corrections to furnish and complete these standard drawings for road and bridge works.

Jakarta, October 2004

Director General of Regional Infrastructures

Hendrianto Notosoegondo

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ALL	ALL	ALL			0.01
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CONTRACT	PROJECT	PROVINCE	PROJECT CODE/YEAR	TOTAL SHEET	SHEET NO.
ALL	ALL	ALL			0.02
TITLE : DRAWING LIST					REVISION : 2003

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CONTRACT	PROJECT	PROVINCE	PROJECT CODE/YEAR	TOTAL SHEET	SHEET NO.
ALL	ALL	ALL			0.03
TITLE : DRAWING LIST					REVISION : 2003

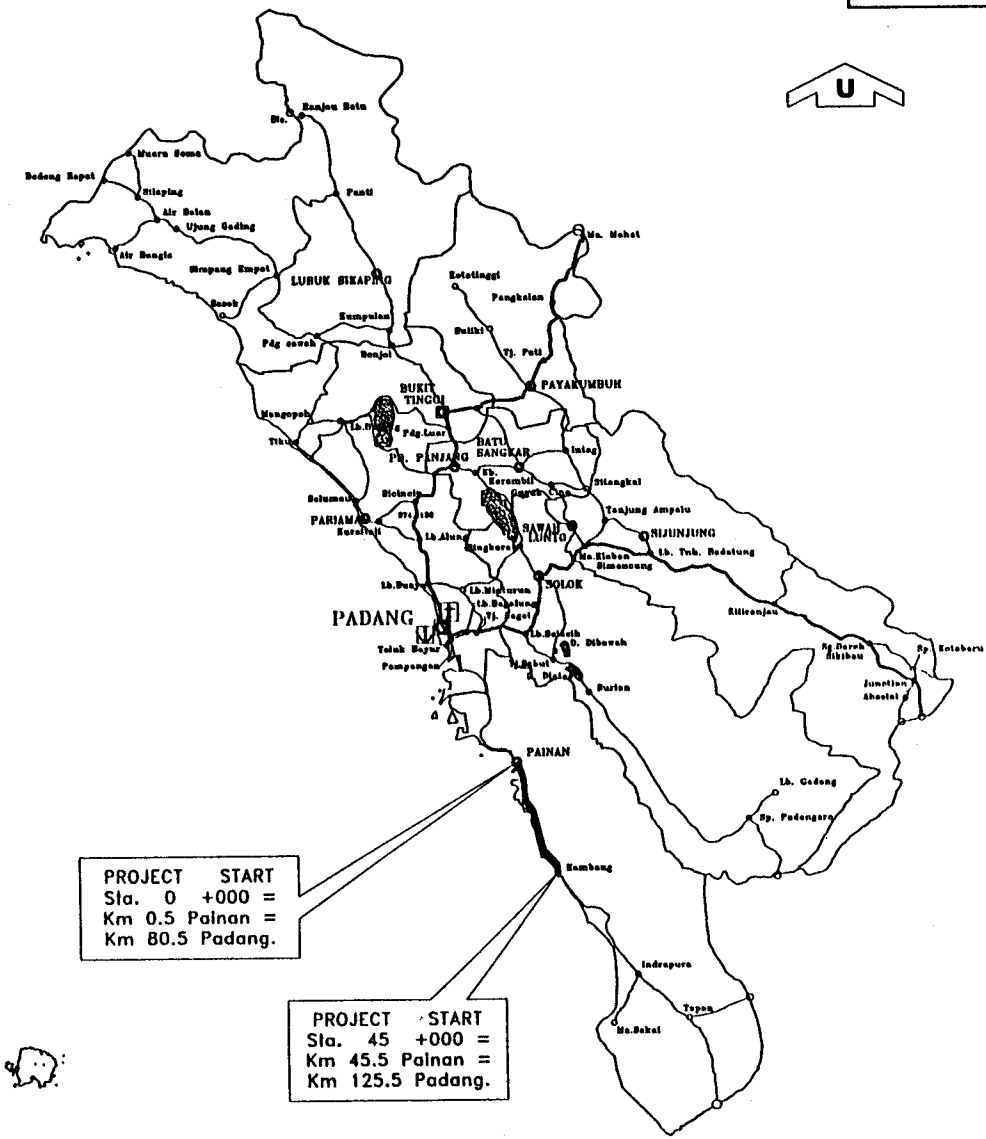
DEVISION. I

GENERAL

EXAMPLE

INDONESIA MAP

SUMATERA MAP



PROJECT START
Sta. 0 +000 =
Km 0.5 Painan =
Km 80.5 Padang.

PROJECT START
Sta. 45 +000 =
Km 45.5 Painan =
Km 125.5 Padang.

WEST SUMATERA MAP

CONTRACT	PROJECT	PROVINCE	PROJECT CODE/YEAR	TOTAL SHEET	SHEET NO.
ALL	PAINAN-KAMBANG	WEST SUMATERA			1.01
TITLE :	PROJECT SITE MAP : PAINAN-KAMBANG ROAD SECTION Sta.0+000 s/d Sta.45+000 (=Km 0.5s/d45.0 PAINAN= Km 80.5 s/d 125.5 PADANG LONG 45 Km)				REVISION : 2004

EXAMPLE

GENERAL NOTES

1. Drawings in this sheets are only detail examples, and drawn example the contruction type and contruction detail which will be used during this contract. These drawing are not used for contruction unless by the Engineer Permission.
2. Sheet number 1.04, Quantity list, is showed the best estimation of owner quantity which is needed for every pay items before bidding of this contract. During contract period estimated quantity could be revised by Engineer.
3. Sheet number 2.01, Pavement Dimension, is showed detailing of pavement contruction which estimated is need before bidding of this contract. Details could be revised by engineer base on pavement condition at starting time of contruction in which stated by survey data.
4. Drawing which are stated locations and contruction detail of the work which are covered by this contract should be issued by engineer after review design after bidding ennouncement.
5. The issued contraction drawings are not necessary to show all appropriate drawing to work and supplement details could be issued in the order of engineer during contruction.
6. Kilometer length showed at drawings, is base on existing kilometer post. Length af post in order is unnecessary 1000 m. Kilometer data is shown an sheet number 2.01.1
7. Shown dimensions for works at certain locations on contruction drawing must use the prior example drawings dimension.
8. In pavement widening work is stated that layer must cover all widened pavement. Non standard width of way, shoulder and ditch could be ordered by engineer at certain needed location due to availability less side space.
9. Pavement superelevation if needed should be used as shown on contruction drawings and as ordered by engineer.
10. Last detail contruction for adapting with access road to houses or other property night must in order by engineer.
11. Before starting work contractor must check all dimensions and elevation as stated on cotruction drawings and must in form to engineer for every and all disparities.
12. Engineer have night to correct the mistakes, in consistensies or deleting on drawings and create specific interpretation if needer for better works.
13. How to use this book could be seen.

CONTRACT	PROJECT	PROVINCE	PROJECT CODE/YEAR	TOTAL SHEET	SHEET NO.
ALL	ALL	ALL			1.02
TITLE : GENERAL NOTES					REVISION : 2003

R

ABBREVIATIONS

EXAMPLE

A	A	Inner diameter of rigid steel duct
	@	At the rate
	a	And
	AASHTO	American Assosiation of State Highway and Transportation Officals
	ABUT	Abutment
	APPROX	Approximate/Aproximately
	AS	Arterial street
	ASPH	Asphalt
	ASTM	The American Society for Testing and Materials
	A > B	A is large than B
	A < B	A is less than B
	AC	Asphalt concrete
	ATB	Asphalt Treated Base
	ATBL	Asphalt Treated Base Leveling
B	BC	Beginning of curve
	BC	Box Culvert
	BOR	Boring
	BP	Beginning Point
	BP	Bearing plate shoe
	BR	Bridge
	BRG	Bearing
	BM	Bench mark
C	C	Cores of cable
	CC	Circular curve to circular curve
	CB	Concretre barrier
	CL	Length of circular curve
	CL(CLR)	Clearance
	CL OR d	Centre line
	CM	Centimeter
	CMP	Corrugated metal/pipe
	CM^2	Square centimeter
	CM^3	Cubic centimeter
	CON/CONC	Concrete
	CONT	Continous
	CS	Circular curve to spiral curve
	CT	Circular curve to tangent
	CTC (C/C)	Center to center
	℄	Center line
D	D	Deformed bar
	DBC	Drainage box culvert
	DBST	Double Bituminous Surface Treatment
	DC	Drainage catchbasin
	DEL	Delineator
	DH	Headwall
	DIA OR ∠	Diameter or diameter of round bar
	DIAPH	Diaphragm
	DL	Datum line
	DS	Drainage sideditch
	DSW	Dwarp stone wall
	DW	Morrtared rubble paved waterway or stone masonry waterway
	DWG	Drawing
	° ' "	Drawing Degree, Minuite and Secound
	△	Deflection (angle)
	ø	Diameter

E	E	Easting
	EA	Each
	E (e)	Rate of superelevation
	E OR EB	East bond
	EL	Elevation
	EC	End of curve
	EF	Each Face
	EMB	Embankment
	EP	End point
	EQ	Equal
	Es	Distance from pi to curve
	Ev	Vertikal distance from PVI to curve
	EXC	Excavation
	EXP	Expansion
	EXIST	Existing
	EW	Each Way
F	FB	Flat bar
	F TO F	Face to Face
	F.F.	Far Face
	FG	Finished grade
	FIX	Fixed
	FO	Flyover
	FR	Frontage road
G	G	Guide (sign)
	GALV	Galvanized
	GDR	Girder
	GP	Guide Post
	GPW	Gass pressured welding
	GR	Guardrail
H	H	Height
	HEX	Hexagonal
	HORZ	Horizontal
	HRS	Hot Rolled Sheet
	HWL	High water level
	HWY	Highway
I	I	Instruction (sign)
	I	Gradient
	IA	Intersection angle
	IC	Interchange
	IE	Improve existing
	IP	Intersection point
	IS	Intersection
J	JB	Joint Box
	JIS	Japanese Industrial Standard
K	KG / kg	Kilogram
	KM	Kilometer
	KM/H OR KPH	Kilometer per hour
L	L	Length
	L	Angle steel
	Lev	Leveling
	Ls	Total length of spiral
	Lc	Total length of circular curve
	LM	Linear meter
	LV	Length of vertical curve
	LWL	Low water level
	LT	Left
M	M	Meter
	M^2 OR m^2	Square meter
	M^3 OR m^3	Cubic meter
	MAX	Maximum
	MB	Machine boring
	MIN	Minimum
	MM^2 OR mm^2	Square millmeter
	MM OR mm	Millmeter
	MOV	Moveable
N	N	Northing
	N/NO	Number
	NC	Normal crown
	NF	Near Face
	NGL	Natural ground level
	NIC	Not in this contact
	NB/N- BOUND	North bound
	NTS	Not to scale
	NWL	Normal water meter
P	P	Drainage pipe
	P	Prohibition (sign)
	PAR W	Parapet wall
	PAV'T	Pavement
	PC	Prestressed concrete
	P/C	Pre - cast
	PCB	Pc box girder
	PC I	Pci - girder
	PCP	Plain concrete pipe
	PC S	Pc hollow slab
	PC T	Pci - girdet
	PED-BR	Pedestrian bridge
	PI	Point of intersection
	PL	Plate
	PV C	Polyvinyl chloride
	PV I	Point of intersection for vertical alignment
R	R	Radius
	RB	Round bar
	R	Radius of circular curve
	RC	Reiforced concrete
	RCP	Precast reiforced concrete pipe
	REG	Regulating
	REQ'D	Required
	ROW	Right - of - way
	RT	Right
	RW	Retaining wall

S	S	Scale
	SB/S- BOUND	South bound
	SBST	Single Bituminous Surface Treatment
	SBST	Single bituminous surface treatment
	SC	Spiral curve to circular curve
	SC	Slab culvert
	SGP	Steel gas pipe
	SH/SHLD	Shoulder
	SHLD	Shoulder
	S.I.I	Indonesian Industrial Standard
	SL	Low - preasure sodium lamp
	SM	Stone masonry
	SP	Sloop protection
	SPA	space
	SPEC	Specification
	SPP	Steel pipe pile
	SQ	Square
	SQM	Square meter
	ST	Spiral curve to tangent
	STA	Station
	STAIR	Staircase
	STD	Standard
T	T	Thickness
	T	Ton
	T & B	Top and bottom
	TC	Tngent to circular curve
	TL	Tangent length of curve
	TOT	Total
	TS	Tangent to spiral curve
	TWY	Toll way
	TYP	Typical
U	U WEIGHT	Unit weight
	UBX	Utility box culvert
V	V OR VEL	Velocity
W	W	Width
	W	Watt
	W OR WB	West bound
	W	Warning (sign)
	W	Widening
	WP	Work point
X	X	Nothing in meter
Y	Y	Easting in meter
Z	Z	Elevation in meter
	#	Number
	@	At

CONTRACT	PROJECT	PROVINCE	PROJECT CODE/YEAR	TOTAL SHEET	SHEET NO.
ALL	ALL	ALL			1.03.1

TITLE : ABBREVIATIONS
(GENERAL NOTES FOR PLANS, PROFILE & MAP)

REVISION : 2003