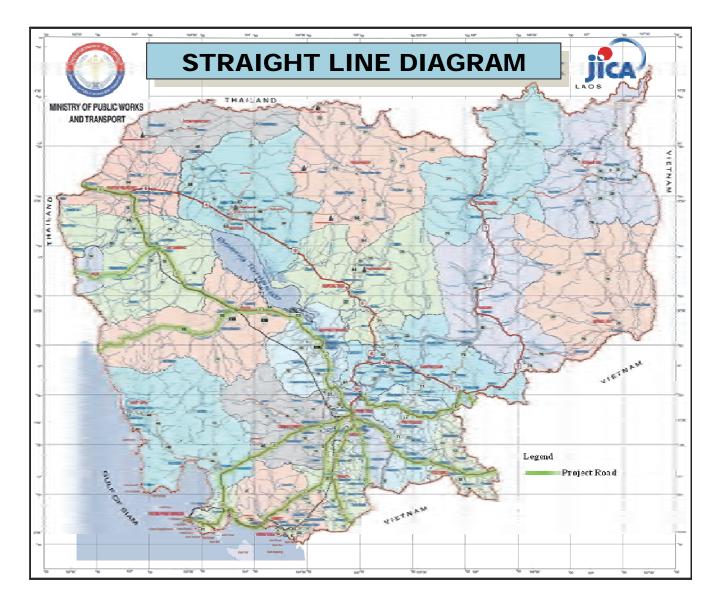
## APPENDIX 1

### Appendix 1 Straight Line Diagram

### MAP OF STRAIGHT LINE DIAGRAM



# LIST OF STRAIGHT LINE DIAGRAM

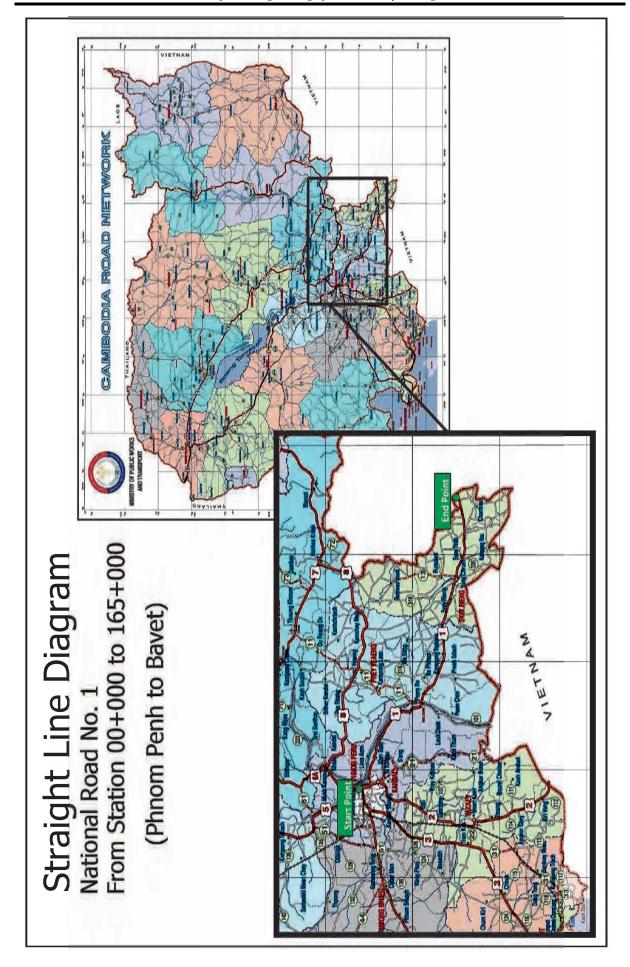
<ol> <li>Straight Line Diagram of National Road 2</li> <li>Straight Line Diagram of National Road 3</li> <li>Straight Line Diagram of National Road 4</li> <li>Straight Line Diagram of National Road 5</li> <li>Straight Line Diagram of National Road 8</li> <li>Straight Line Diagram of National Road 3</li> <li>Straight Line Diagram of National Road 4</li> <li>Straight Line Diagram of National Road 5</li> <li>Straight Line Diagram of National Road 5</li> <li>Straight Line Diagram of National Road 5</li> </ol>	I Road 1 I Road 2 I Road 3 I Road 5 I Road 5 I Road 2 I Road 3 I Road 3 I Road 3 I Road 4 I Road 5
13. Straight Line Diagram of National Road 7.	1 Road 7

## Note for Straight Line Diagram

Frentime   1. Flat Land   2. Rolling   3. Mountain   4. Swommp (Marshy Land)   5. Rolling   3. Mountain   4. Swommp (Marshy Land)   5. Rolling   5	Items			Definition				U
1. There are houses inside of electric pole   2. There are no houses inside of cleetric pole   3. Industrial   4. School/Hospital   5. Rice Field   S. Rice	a Terrain	1. Flat Land	2. Rolling	3. Mountain	4. Swamp (Marshy Land)			±¹ - ₩
1. Residential   2. Commercial 3. Industrial 4. School/Hospital 5. Rice Field   S. Linsed grass field 9. Others   S. Rice Field   S. Rice Fi	b Affected house	1. There are houses inside	of electric pole	2. There are no houses	sinside of electric pole			
6. Other agricultural land   7. Forest   8. Unused grass field   9. Others	c Land use type	1. Residential	2. Commercial	3. Industrial	4. School/Hospital	5. Rice Field		
Hiton I Good Tool I Chood I Laterite		6. Other agricultural land	7. Forest	8. Unused grass field	9. Others			
1.								
1. If X31, & X3R is similar, (X1 - X2) x 1/2   2. If X31, & x3R is different, measure X31, & X3R   refor/figure besides     1. Laterite	d Shoulder condition	1. Good	2. Fair	3. Bad	4. Very Bad			
1. Interrite   2. DBST   3. SBST   4. Other	e Shoulder width	1. If X3L & X3R is simila	ar, (X1 - X2) x 1/2	2. If X3L & X3R is di	fferent, measure X3L & X3R	refer figure besides	R.	Road Section
dition 1. Good means Travel speed is more than 60km/hr.  Fair means Travel speed is 40 to 60km/hr.  Fair means Travel speed is 40 to 60km/hr.  Bad means Travel speed is 15 to 40km/hr.  Bad means Travel speed is 15 to 40km/hr.  The center-line or divider, X2 x 1/2  Subserstructure type  Super-structure type  Super-structure type  Super-structure type  Reinforcement Concrete Slab (RCS)  Reinforcement Concrete Slab (RCS)  Pretension Hollow Slab (PCH)  Post tension Deck Girder (RCDG)  Number of span of the bridge	f Shoulder type	1. Laterite	2. DBST	3. SBST	4. Other			
Good means Travel speed is more than 60km/lr.  Fair means Travel speed is more than 60km/lr.  Bad means Travel speed is 15 to 40km/lr.  Bad means Travel speed is 15 to 40km/lr.  Wery bad means Travel speed is 15 to 40km/lr.  Ith 1. If no center- line or divider, X2 x 1/2 2 If center-line or divider, measure X2L & X2R   refer figure besides    Number of lane like one lane, two lanes x lane + bike lane    Super-structure type   Super-structure type    Reinforcement Concrete Stab (RCS)    Reinforcement Concrete Deck Girder (RCDG)    Pretension Deck Girder (PCDG)    Number of span of the bridge	g Pavement condition	n 1. Good	2. Fair	3. Bad	4. Very Bad		00001	
Fair means Travel speed is 40 to 60km/hr  Bad means Travel speed is 15 to 40km/hr  Very bad means Travel speed is 15 to 40km/hr  Very bad means Travel speed is 15 to 40km/hr  Ith 1. If no center- line or divider, X2 x 1/2 2 1f center-line or divider, measure X2L & X2R    xefer figure besides  Number of lane like one lane, two lanesx lane + bike lane  Super-structure type  Super-structure type  Reinforcement Concrete Slab (RCS)  Reinforcement Concrete Deck Girder (RCDG)  Pretension Bollow Slab (PCH)  Post tension Deck Girder (PCDG)  Number of span of the bridge		Good means Ti	ravel speed is more tha	ın 60km/hr,				0001
Bad means Travel speed is 15 to 40km/hr  Very bad means Travel speed is less than 15km/hr  In the center-line or divider, X2 x 1/2  Number of lane like one lane, two lanes x lane + bike lane  a l. Gravel 2. DBST 3. AC 4. SBST  Super-structure type  Reinforcement Concrete Slab (RCS)  Reinforcement Concrete Deck Girder (RCDG)  Pretension Hollow Slab (PCH)  Number of span of the bridge  Number of span of the bridge		Fair means Tra	vel speed is 40 to 60km	n/hr			- · -	0001
Very bad means Travel speed is less than 15km/hr  1. If no center- line or divider, X2 x 1/2  Number of lane like one lane, two lanesx lane + bike lane  Number of span of the bridge  1. Gravel		Bad means Tra	wel speed is 15 to 40kr	n/hr				
th 1. If no center- line or divider, X2 x 1/2 2. If center-line or divider, measure X21. & X2R   refer figure besides  Number of lane like one lane, two lanes x lane + bike lane  1. Gravel 2. DBST 3. AC 4. SBST   1. Gravel   2. DBST   2. DBST   3. AC   4. SBST   1. Gravel   2. DBST   3. AC   4. SBST   1. Gravel   2. DBST   3. AC   4. SBST   4. SBST   1. Gravel   2. DBST   3. AC   4. SBST   4. SBST   4. SBST   4. SBST   5. DBST		Very bad mean	s Travel speed is less t	han 15km/hr				
Super-structure type  Steel  Reinforcement Concrete Slab (RCB)  Pretension Hollow Slab (PCH)  Number of span of the bridge	h Pavement width	1. If no center- line or div	ider, X2 x 1/2	2. If center-line or divi	ider, measure X2L & X2R	refer figure besides	RCS (RC Slab)	RCDG (RC Deck Girder)
Super-structure type  Super-structure type  Reinforcement Concrete Slab (RCS)  Reinforcement Concrete Deck Girder (RCDG)  Pretension Hollow Slab (PCH)  Post tension Deck Girder (PCDG)  Number of span of the bridge	i Pavement lane	Number of lane like one l.	ane, two lanes,, x lan	ne + bike lane			**	
Super-structure type Steel Reinforcement Concrete Slab (RCS) Reinforcement Concrete Deck Girder (RCDG) Pretension Hollow Slab (PCH) Post tension Deck Girder (PCDG) Number of span of the bridge	j Pavement type	1. Gravel	2. DBST	3. AC	4. SBST			00001
Reinforcement Concrete Slab (RCS) Reinforcement Concrete Deck Girder (RCDG) Pretension Hollow Slab (PCH) Post tension Deck Girder (PCDG) Number of span of the bridge	k Bridge type	Super-structure type						
Reinforcement Concrete Slab (RCS) Reinforcement Concrete Deck Girder (RCDG) Pretension Hollow Slab (PCH) Post tension Deck Girder (PCDG) Number of span of the bridge		Steel						
Reinforcement Concrete Deck Girder (RCDG)  Pretension Hollow Slab (PCH)  Post tension Deck Girder (PCDG)  Number of span of the bridge		Reinforcement	Concrete Slab (RCS)					77777
Pretension Hollow Slab (PCH)  Post tension Deck Girder (PCDG)  Number of span of the bridge		Reinforcement	Concrete Deck Girder	(RCDG)			PCH (PC Hollow Slab)	PCDG (PC Deck Girder)
Number of		Pretension Hol	low Slab (PCH)					Bridge Type
		Post tension Do	eck Girder (PCDG)					
	1 Span number	Number of span of the bri	idge					

Final Report

Right side means right facing country boundary and Phnom Penh behind Left side means left facing country boundary and Phnom Penh behind



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пойіbпоэ bвот	To AqsagotoA4		Terrain	Affect house	Land Use Type	Shoulder Condition	Shoulder Width (m)	Shoulder Type	Road Condition	Road Width (m)	Lane Number (no)	- Road Pavement Type	Lane Number (no)	Road Width (m)	Road Condition	Shoulder Type	Shoulder Width (m)	Shoulder Condition	Land Use Type	Affect house	Terrain	Remark	Bridge Type	Span Number (no)	ogbir8 To riqergotorf noiribnoo
TA UNHOUSE			1	2	2	1	2.3	Other	1	6.3	2+bike	AC	2+bike	6.3	1	Other	2.3	1	2	2	1				
		PK 05+000	1	2	2	1	2.3	Other	1	6.3	2+bike	AC	2+bike	6.3	1	Other	2.3	1	2	2	1		PC BOX		
P. 054000			1	1	2	3	2.3	Other	3	3.5	1	AC	1	3.5	3	Other	2.3	3	2	1	1				
A		PK 15+000	1	1	1	1	2.6	DBST	1	0.9	1+bike	AC	1+bike	0.9	1	DBST	2.6	1	1	1	1				
000000			1	1	1	1	2.5	DBST	1	6.1	1+bike	AC	1+bike	6.1	1	DBST	4.7	1	1	1	1				
		PK 25+000	1	1	1	1	2.5	DBST	1	0.9	1+bike	AC	1+bike	0.9	1	DBST	4.8	1	1	1	1				
L.K. SU-HOUD			1	1	1	2	0.5	Other	1	6.5	1+bike	AC	1+bike	6.5	1	Other	0.5	2	1	1	1			ſ	
	-	PK 35+000	1	1	6	2	0.5	Other	1	6.5	1+bike	AC	1+bike	6.5	1	Other	0.5	2	8	3	1		PCDG	3	
LVK 40+000			1	1	1	2	0.5	Other	1	6.5	1+bike	AC	1+bike	6.5	1	Other	0.5	2	8	3	1				V.
		PK 45+000	1	2	1	2	0.4	Other	1	9.9	1+bike	AC	1+bike	9.9	1	Other	0.4	2	1	2	1		PCDG	4	
00000			1	2	1	2	0.3	Other	1	9.9	1+bike	AC	1+bike	9.9	1	Other	0.3	2	1	2	1			ı	

FR 53+000	notilino beor	Робовгарћ О		Terrain 1	Affect house 2	Land Use Type	Shoulder Condition 2	Shoulder Width (m) 0.9	Shoulder Type Other	Road Condition 1	Road Width (m) 6.1	Lane Number (no) 1+bike	Road Pavement Type AC	Lane Number (no) 1+bike	Road Width (m) 6.1	Road Condition	Shoulder Type Other	Shoulder Width (m) 0.9	Shoulder Condition 2	Land Use Type 8	Affect house 3	Terrain 1	Remark	Bridge Type	Span Number (no)	egbri8f To flqerg norkbnoo
			PK 60+000	1	1	2	1	2.5	DBST	1	6.1	1+bike	AC	1+bike	6.1	1	DBST	2.5	1	2	1	1				
PK 03+000				1	2	5	2	6:0	Laterite	1	4.7	1+bike	DBST	1+bike	4.7	1	Laterite	0.9	2	9	2	1		PCDG	9	
			PK 70+000	1	2	9	2	0.7	Laterite	-	5.3	1+bike	DBST	1+bike	5.3	1	Laterite	0.7	2	5	2	1				
VA /3+000				-	2	9	2	8.0	Laterite	-	5.3	1+bike	DBST	1+bike	5.3	-	Laterite	8.0	2	5	2	1		RCDG or PCDG	9	
			PK 80+000	1	2	5	2	1.9	SBST	1	3.9	1	DBST	1	3.9	1	SBST	1.9	2	5	2	1				To the same of the
FR 83+000				1	1	2	2	1.6	Laterite	1	3.8	1	DBST	1	3.8	1	Laterite	1.6	2	S	2	1		RCS or RCDG	3	
. 0			PK 90+000	1	2	5	2	1.4	SBST	1	3.9	1	DBST	1	3.9	1	SBST	1.4	2	5	2	1			**	
FK 93+000				1	-	4	2	1.3	SBST	1	4.0	1	DBST	1	4.0	1	SBST	1.3	2	2	1	1		RCDG	2	
			PK 100+000	1	2	9	2	1.8	SBST	1	4.0	1	DBST	1	4.0	1	SBST	1.8	2	4	2	1				
100 CO 1 NJ				-	2	5	2	1.5	SBST		4.0	1	DBST	-	4.0	1	SBST	1.5	2	5	2	1				

PK 110+000				Terrain 1	Affect house 2	Land Use Type 5	Shoulder Condition 2	Shoulder Width (m) 1.1	Shoulder Type SBST	Road Condition 1	Road Width (m) 3.9	Lane Number (no) 1	Road Pavement Type DBST	Lane Number (no) 1	Road Width (m) 3.9	Road Condition 1	Shoulder Type SBST	Shoulder Width (m) 1.1	Shoulder Condition 2	Land Use Type 5	Affect house 1	Terrain 1	Bridge Type	Span Number (no)		
			PK 115+000	1	2	1	2	1.8	SBST	1	3.9	1	DBST	1	3.9	1	SBST	1.8	2	1	2	1				
PK 120+000				1	2	1	2	1.1	SBST	1	3.9	1	DBST	1	3.9	1	SBST	1.1	2	1	2	1				
	15-		PK 125+000	1	2	4	2	8.0	SBST	-	4.2	1	DBST	1	4.2	1	SBST	8.0	2	6	2	1	PCDG	9		PK 125+200
PK 130+000				1	2	5	2	1.6	SBST	1	3.9	1	DBST	1	3.9	1	SBST	1.6	2	5	2	1				
			PK 135+000	1	1	5	2	1.5	SBST	1	3.9	1	DBST	1	3.9	1	SBST	1.5	2	5	1	1	STEEL	4		PK 135+400
PK 140+000				1	1	5	2	1.4	SBST	1	3.9	1	DBST	1	3.9	1	SBST	1.4	2	5	1	1				
			PK 145+000	1	2	1	2	1.5	SBST	1	3.9	-	DBST	-	3.9	1	SBST	1.5	2	1	2	1				
PK 150+000				1	2	1	2	8.0	SBST	1	4.1	1	DBST	1	4.1	1	SBST	0.8	2	1	2	1				
			PK 155+000	-	2	-	2	1.3	SBST	-	4.0	1	DBST	1	4.0	1	SBST	1.3	2	1	2	1				
PK 160+000		S V S		1	2	-	2	1.1	SBST	-	3.9	-	DBST	-	3.9	1	SBST	1.1	2	8	2	1				

	PK 165+	PK 165+000								
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	пвофонЧ		-		_	-	_			-
+	Тепаіп	1								
<u> </u>	Affect house	2								
	Land Use Type	2								
	Shoulder Condition									
spis:	Shoulder Width (m)	2.3								
mgizi	Shoulder Type	Other								
	Road Condition	1								
	Road Width (m)	6.3								
_	Lane Number (no)	2+bike								
<u>×</u>	Road Pavement Type	AC								
	Lane Number (no)	2+bike								
	Road Width (m)	6.3								
	Road Condition	1								
əbis	Shoulder Type	Other								
	Shoulder Width (m)	2.3								
Sa	Shoulder Condition	1								
	Land Use Type	2								
	Affect house	2								
	Terrain	1								
1	Remark									
əgb	Bridge Type									
	Span Number (no)									
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