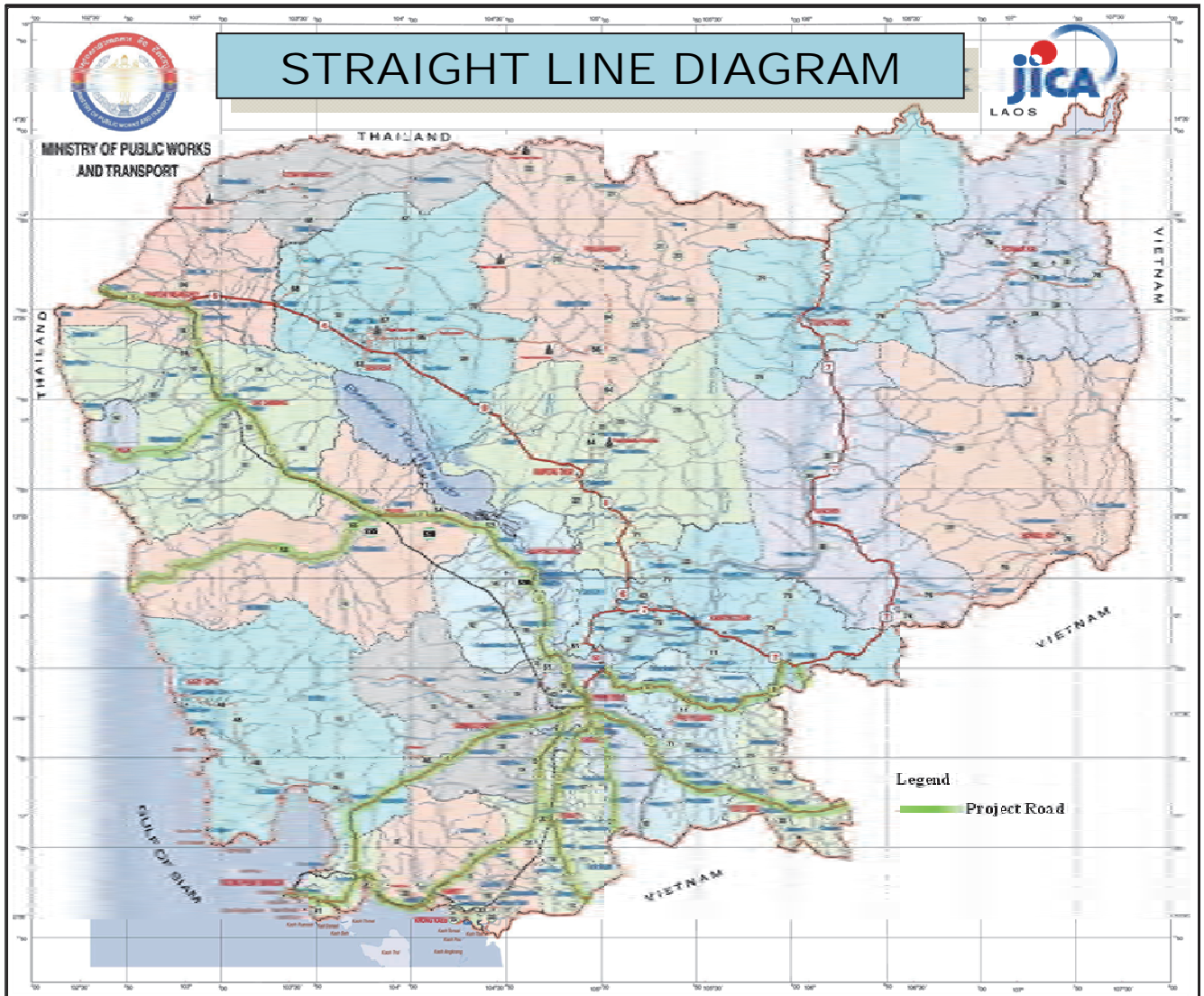


APPENDIX 1

Appendix 1 Straight Line Diagram

MAP OF STRAIGHT LINE DIAGRAM



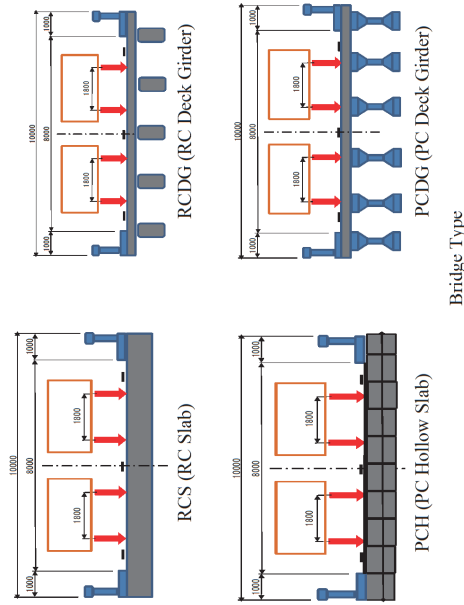
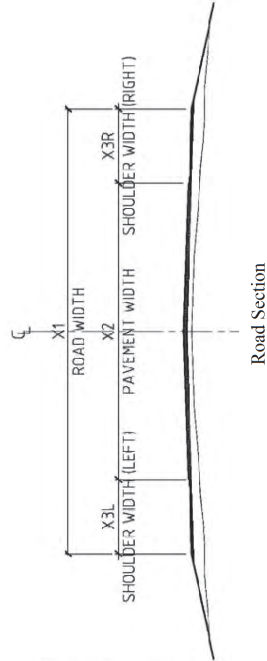
LIST OF STRAIGHT LINE DIAGRAM

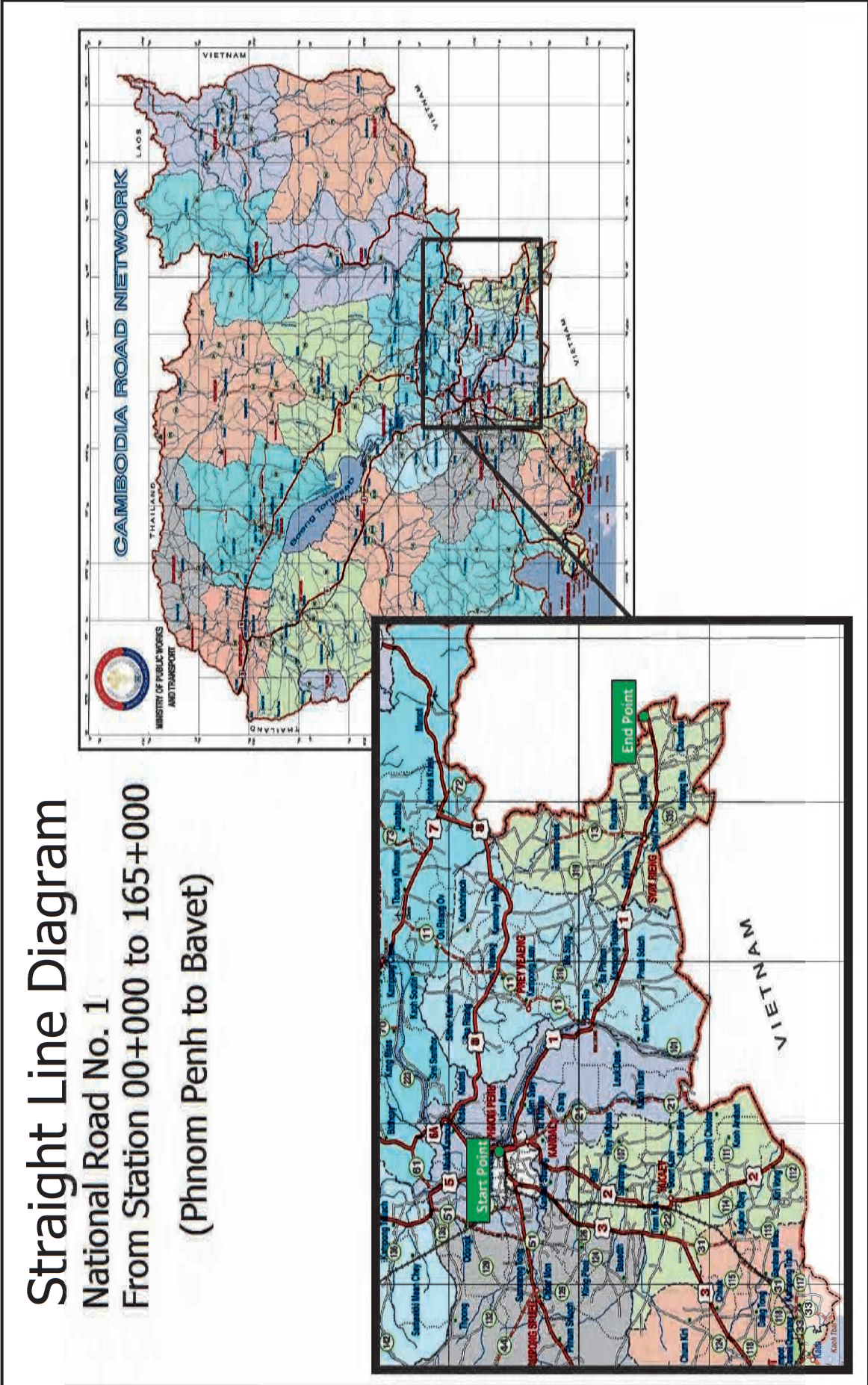
1. Straight Line Diagram of National Road 1
2. Straight Line Diagram of National Road 2
3. Straight Line Diagram of National Road 3
4. Straight Line Diagram of National Road 4
5. Straight Line Diagram of National Road 5
6. Straight Line Diagram of National Road 8
7. Straight Line Diagram of National Road 21
8. Straight Line Diagram of National Road 31
9. Straight Line Diagram of National Road 33
10. Straight Line Diagram of National Road 48
11. Straight Line Diagram of National Road 55
12. Straight Line Diagram of National Road 57
13. Straight Line Diagram of National Road 72





Note for Straight Line Diagram

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

Items	Definition
a Terrain	1. Flat Land 2. Rolling 3. Mountain 4. Swamp (Marshy Land)
b Affected house	1. There are houses inside of electric pole 2. There are no houses inside of electric pole
c Land use type	1. Residential 2. Commercial 3. Industrial 4. School/Hospital 5. Rice Field 6. Other agricultural land 7. Forest 8. Unused grass field 9. Others
d Shoulder condition	1. Good 2. Fair 3. Bad 4. Very Bad
e Shoulder width	1. If X3L & X3R is similar, (X1 - X2) x 1/2 2. If X3L & X3R is different, measure X3L & X3R <i>refer figure besides</i>
f Shoulder type	1. Laterite 2. DBST 3. SBST 4. Other
g Pavement condition	1. Good 2. Fair 3. Bad 4. Very Bad Good means Travel speed is more than 60km/hr, Fair means Travel speed is 40 to 60km/hr Bad means Travel speed is 15 to 40km/hr Very bad means Travel speed is less than 15km/hr
h Pavement width	1. If no center-line or divider, X2 x 1/2 2. If center-line or divider, measure X2L & X2R <i>refer figure besides</i>
i Pavement lane	Number of lane like one lane, two lanes, ... x lane + bike lane
j Pavement type	1. Gravel 2. DBST 3. AC 4. SBST
k Bridge type	Super-structure type Steel Reinforcement Concrete Slab (RCS) Reinforcement Concrete Deck Girder (RCDG) Pretension Hollow Slab (PCH) Post tension Deck Girder (PCDG)
l Span number	Number of span of the bridge






National Road No. 1 (from PK 00+000 to PK 50+000)		PK 00+000	PK 05+000	PK 09+000	PK 20+000	PK 30+000	PK 40+000	PK 50+000		
Right side		Photograph of road condition								
		Terrain	1	1	1	1	1	1	1	1
		Affect house	2	1	1	1	1	1	1	2
		Land Use Type	2	2	1	1	1	1	1	1
		Shoulder Condition	1	1	3	1	1	2	2	2
		Shoulder Width (m)	2.3	2.3	2.6	2.5	2.5	0.5	0.5	0.4
		Shoulder Type	Other	Other	DBST	DBST	Other	Other	Other	Other
		Road Condition	1	1	3	1	1	1	1	1
		Road Width (m)	6.3	6.3	3.5	6.0	6.0	6.5	6.5	6.6
		Lane Number (no)	2+bike	2+bike	1	1+bike	1+bike	1+bike	1+bike	1+bike
Road Pavement Type	AC	AC	AC	AC	AC	AC	AC	AC		
Left side		Lane Number (no)	2+bike	1	1+bike	1+bike	1+bike	1+bike	1+bike	
		Road Width (m)	6.3	3.5	6.0	6.1	6.5	6.5	6.5	6.6
		Road Condition	1	1	3	1	1	1	1	1
		Shoulder Type	Other	Other	DBST	DBST	Other	Other	Other	Other
		Shoulder Width (m)	2.3	2.3	2.6	4.7	4.8	0.5	0.5	0.4
		Shoulder Condition	1	1	3	1	1	2	2	2
		Land Use Type	2	2	2	1	1	1	8	1
		Affect house	2	2	1	1	1	3	3	2
		Terrain	1	1	1	1	1	1	1	1
		Remark								
Bridge		Bridge Type	PC BOX						PCDG	
		Span Number (no)							3	
Photograph of Bridge condition										
		Monivong Bridge		PK 47+800		PK 48+300				

		PK 55+000	PK 60+000	PK 65+000	PK 70+000	PK 75+000	PK 80+000	PK 85+000	PK 90+000	PK 95+000	PK 100+000	PK 105+000
Photograph of road condition												
Right side	Terrain	1	1	1	1	1	1	1	1	1	1	1
	Affect house	2	1	2	2	2	2	1	2	1	2	2
	Land Use Type	1	2	5	6	6	5	2	5	4	6	5
	Shoulder Condition	2	1	2	2	2	2	2	2	2	2	2
	Shoulder Width (m)	0.9	2.5	0.9	0.7	0.8	1.9	1.6	1.4	1.3	1.8	1.5
	Shoulder Type	Other	DBST	Laterite	Laterite	Laterite	SBST	Laterite	SBST	SBST	SBST	SBST
	Road Condition	1	1	1	1	1	1	1	1	1	1	1
	Road Width (m)	6.1	6.1	4.7	5.3	5.3	3.9	3.8	3.9	4.0	4.0	4.0
	Lane Number (no)	1+bike	1+bike	1+bike	1+bike	1+bike	1	1	1	1	1	1
	Road Pavement Type	AC	AC	DBST	DBST	DBST	DBST	DBST	DBST	DBST	DBST	DBST
	Lane Number (no)	1+bike	1+bike	1+bike	1+bike	1+bike	1	1	1	1	1	1
	Road Width (m)	6.1	6.1	4.7	5.3	5.3	3.9	3.8	3.9	4.0	4.0	4.0
	Road Condition	1	1	1	1	1	1	1	1	1	1	1
Shoulder Type	Other	DBST	Laterite	Laterite	Laterite	SBST	Laterite	SBST	SBST	SBST	SBST	
Shoulder Width (m)	0.9	2.5	0.9	0.7	0.8	1.9	1.6	1.4	1.3	1.8	1.5	
Shoulder Condition	2	1	2	2	2	2	2	2	2	2	2	
Land Use Type	8	2	6	5	5	5	5	5	2	4	5	
Affect house	3	1	2	2	2	2	2	2	1	2	2	
Terrain	1	1	1	1	1	1	1	1	1	1	1	
Remark												
Bridge Type			PCDG					RCS or RCDG				
Span Number (no)			6			6		3				
Photograph of Bridge condition												

*Data Collection Survey on The Trunk Road Network Planning
for strengthening of Connectivity through the Southern Economic Corridor*

	PK 110+000	PK 120+000	PK 130+000	PK 140+000	PK 150+000	PK 160+000
Right side	Photograph of road condition					
	Terrain	1	1	1	1	1
	Affect house	2	2	2	1	2
	Land Use Type	5	1	4	5	1
	Shoulder Condition	2	2	2	2	2
	Shoulder Width (m)	1.1	1.1	0.8	1.6	1.5
	Shoulder Type	SBST	SBST	SBST	SBST	SBST
	Road Condition	1	1	1	1	1
	Road Width (m)	3.9	3.9	4.2	3.9	3.9
	Lane Number (no)	1	1	1	1	1
	Road Pavement Type	DBST	DBST	DBST	DBST	DBST
	Lane Number (no)	1	1	1	1	1
	Road Width (m)	3.9	3.9	4.2	3.9	4.1
	Road Condition	1	1	1	1	1
Shoulder Type	SBST	SBST	SBST	SBST	SBST	
Shoulder Width (m)	1.1	1.1	0.8	1.4	0.8	
Shoulder Condition	2	2	2	2	2	
Land Use Type	5	1	9	5	1	
Affect house	1	2	2	1	2	
Terrain	1	1	1	1	1	
Remark						
Bridge Type						
Span Number (no)						
Bridge			PCDG			
			6			
Photograph of Bridge condition						

National Road No. 1 (PK 165+000)

National Road No. 1 (PK 165+000)		PK 165+000												PK 165+000	
Photograph of road condition															
Right side	Terrain	1													
	Affect house	2													
	Land Use Type	2													
	Shoulder Condition	1													
	Shoulder Width (m)	2.3													
	Shoulder Type	Other													
	Road Condition	1													
	Road Width (m)	6.3													
	Lane Number (no)	2+bike													
	Road Pavement Type	AC													
	Lane Number (no)	2+bike													
	Road Width (m)	6.3													
	Road Condition	1													
	Shoulder Type	Other													
Left side	Shoulder Width (m)	2.3													
	Shoulder Condition	1													
	Land Use Type	2													
	Affect house	2													
Bridge	Terrain	1													
	Remark														
	Bridge Type														
Span Number (no)															
Photograph of Bridge condition															