







Bridge Inventory 6

	Bridge No.	No.16
	Location (km)	93.7
	River Crossing	Ao. Cariy
	Construction Year	
	Design Load	
	Width of Bridge	10.2m
	Span / Length	2.0+8.6+2.0 / 12.6m
	Type of Superstructure	RC Slab
	Type of Abutment	Masonry
	Type of Pier	Wall
	Number of Pier	2
	Bridge No.	No.17
	Location (km)	100.1
	River Crossing	Ao. Moroti
	Construction Year	
	Design Load	
	Width of Bridge	10.2m
	Span / Length	5x6.0 / 30.0m
	Type of Superstructure	RC Slab
	Type of Abutment	Masonry
	Type of Pier	RC Rigid Frame
	Number of Pier	4
	Bridge No.	No.18
	Location (km)	114.9
	River Crossing	Ao. Ytau
	Construction Year	
	Design Load	
	Width of Bridge	10.2m
	Span / Length	4x6.0 / 24.0m
	Type of Superstructure	RC Slab
	Type of Abutment	Masonry
	Type of Pier	RC Rigid Frame
	Number of Pier	3

Bridge Inventory 7

	Bridge No.	No.19
	Location (km)	118.45
	River Crossing	Ao. Yacarey
	Construction Year	
	Design Load	
	Width of Bridge	10.2m
	Span / Length	19.5m
	Type of Superstructure	RC Slab
	Type of Abutment	Masonry
	Type of Pier	RC Rigid Frame
	Number of Pier	2
	Bridge No.	No.20
	Location (km)	151.85
	River Crossing	Ao. Potrero Balbina
	Construction Year	
	Design Load	
	Width of Bridge	9.2m
	Span / Length	8.0m
	Type of Superstructure	RC-T Girder
	Type of Abutment	Masonry
	Type of Pier	—
	Number of Pier	—
	Bridge No.	No.21
	Location (km)	154.4
	River Crossing	—
	Construction Year	
	Design Load	
	Width of Bridge	9.2m
	Span / Length	7.0m
	Type of Superstructure	RC-T Girder
	Type of Abutment	RC
	Type of Pier	—
	Number of Pier	—

Bridge Inventory 8


	Bridge No.	No.22
	Location (km)	154.7
	River Crossing	—
	Construction Year	
	Design Load	
	Width of Bridge	9.2m
	Span / Length	7.0m
	Type of Superstructure	RC-T Girder
	Type of Abutment	RC
	Type of Pier	—
	Bridge No.	No.23
	Location (km)	155.7
	River Crossing	Ao. Guazu
	Construction Year	
	Design Load	
	Width of Bridge	9.2m
	Span / Length	10.0+14.0+10.0 / 34.0m
	Type of Superstructure	RC Rigid Frame
	Type of Abutment	RC
	Type of Pier	RC Rigid Frame
	Bridge No.	No.24
	Location (km)	161.85
	River Crossing	Ao. Moroti
	Construction Year	
	Design Load	
	Width of Bridge	9.2m
	Span / Length	3.0+14.0+3.0 / 20.0m
	Type of Superstructure	RC Rigid Frame
	Type of Abutment	RC
	Type of Pier	RC Rigid Frame
	Number of Pier	—
	Bridge No.	No.23
	Location (km)	155.7
	River Crossing	Ao. Guazu
	Construction Year	
	Design Load	
	Width of Bridge	9.2m
	Span / Length	10.0+14.0+10.0 / 34.0m
	Type of Superstructure	RC Rigid Frame
	Type of Abutment	RC
	Type of Pier	RC Rigid Frame
	Number of Pier	2
	Bridge No.	No.24
	Location (km)	161.85
	River Crossing	Ao. Moroti
	Construction Year	
	Design Load	
	Width of Bridge	9.2m
	Span / Length	3.0+14.0+3.0 / 20.0m
	Type of Superstructure	RC Rigid Frame
	Type of Abutment	RC
	Type of Pier	RC Rigid Frame
	Number of Pier	2

Table 7.4.1 Result of Investigation of Bridges

BRIDGE COMPONENTS	Item	Bridge No. and Severity / Extent of Defects																							
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Super Structure	Wearing Surface	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	X	O	O	X
	Deck Slab	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	Δ	O	O	X	X	Δ	X
	Beams	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	Δ	X	O	O
	Drainage	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	Δ	Δ	O
	Railing	X	O	O	O	O	Δ	X	O	O	O	O	Δ	X	Δ	O	O	O	O	O	O	Δ	O	O	O
	Side Walks	O	O	O	O	O	O	O	O	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Expansion Joint	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	-	-	-	O	O	O
	Bearing	O	O	O	O	O	X	O	O	Δ	O	O	Δ	O	O	O	O	O	O	O	O	X	X	O	O
Sub-Structure	Abutment	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	Δ	Δ	O	O
	Parapet	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	X	X	O	O
	Piers	-	O	O	O	O	O	X	O	O	-	O	O	O	O	-	O	O	O	O	-	-	-	O	O
WATERWAY	Revetments	O	O	O	O	O	X	O	O	X	O	O	O	O	O	O	O	O	O	O	Δ	O	O	O	X
	River bed	O	O	O	O	O	X	O	O	O	O	O	O	O	X	O	O	O	O	O	O	O	O	O	X
	Erosion	O	O	Δ	O	O	X	O	O	X	O	O	O	O	Δ	O	O	O	O	O	Δ	Δ	Δ	O	X
ROAD APPROACHES	Wearing Surface	O	O	Δ	Δ	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	X	O	O	O
	Shoulder	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	X	X	O	O	O
	Embankment	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	X	X	O	O	O

Legend:

O = Fair Condition

Δ = Necessity of Repairing

X = Necessity of Urgent Repairing